



**2023 SEMI-ANNUAL GROUNDWATER
MONITORING AND CORRECTIVE ACTION
REPORT**

Plant Bowen

Cells 1 & 2

Cells 3 & 4

Cells 5 & 6

Cells 7 & 8

Cells 9 & 10

Solid Waste Disposal Facility

Permit No. 008-018D (CCR)

August 31, 2023

Prepared for:



Prepared by:

Stantec Consulting Services Inc.

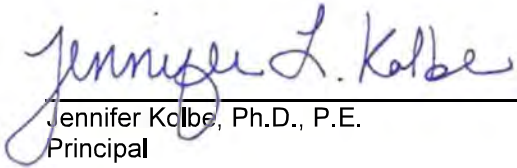
10745 Westside Way, Suite 250

Alpharetta, Georgia 30009-7640

**2023 Semi-Annual Groundwater Monitoring and Corrective Action Report
Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10**

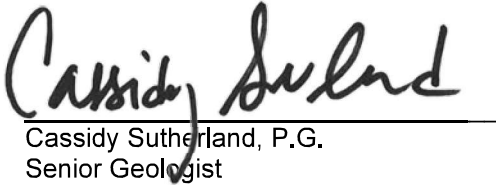
CERTIFICATION STATEMENT

This 2023 Semi-Annual Groundwater Monitoring and Corrective Action Report, Georgia Power Company - Plant Bowen Solid Waste Disposal Facility Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10 has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [Title 40 Code of Federal Regulations (40 CFR) 257 Subpart D, specifically § 257.90(e)] and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Stantec Consulting Services Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.


Jennifer Kolbe, Ph.D., P.E.
Principal



August 31, 2023
Date


Cassidy Sutherland, P.G.
Senior Geologist



August 31, 2023
Date



2023 Semi-Annual Groundwater Monitoring and Corrective Action Report Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10

Executive Summary

This summary of the 2023 *Semi-Annual Groundwater Monitoring and Corrective Action Report* provides the status of the groundwater monitoring and corrective action program from January through June 2023 at the Georgia Power Company (Georgia Power) Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10 (the Landfill or the Site). This summary was prepared by Stantec Consulting Services Inc. (Stantec) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6¹ of the United States Environmental Protection Agency (US EPA) coal combustion residuals rule (CCR Rule) (Title 40 Code of Federal Regulations [40 CFR] 257 Subpart D).

The Landfill is located in Bartow County off State Highway 113, approximately seven miles west-southwest of Cartersville, Georgia and 20 miles southeast of Rome, Georgia. The Landfill receives coal combustion by-products, coal ash, and gypsum from coal power generating processes at Plant Bowen. The Landfill cells are lined in accordance with Solid Waste Permit No. 008-018D (CCR). Gypsum placement in disposal Cells 1 & 2 began in November 2008, whereas ash placement in disposal Cells 3 & 4 began in February 2015. Waste placement operations were initiated in Cells 9 & 10 in November 2015. Landfill Cells 5 & 6 and 7 & 8 are being cleared in preparation for Landfill expansion. The Site is located on the northeastern portion of the Plant Bowen property.



Plant Bowen Landfill Cells

Groundwater monitoring for the Landfill was previously conducted under the requirements of the Georgia Solid Waste Permit No. 008-018D (LI) and in accordance with the specifications in the permit-issued Design and Operation (D&O) Plan. Georgia Environmental Protection Division (GA EPD) issued CCR Permit No. 008-018D (CCR) on December 8, 2022, which replaces Georgia Solid Waste Permit No. 008-018D (LI). Routine groundwater monitoring and reporting is conducted at the Site pursuant to the groundwater monitoring plan in the new permit. Groundwater at the Site is monitored using a groundwater monitoring system of wells installed to meet federal and state monitoring requirements.

Groundwater monitoring, in accordance with the previous permit-issued D&O Plan, began in 2007 prior to disposal activities and continues to date under the 2022 CCR Permit Groundwater Monitoring Plan. Routine sampling and reporting for CCR Rule Appendix III constituents began after the background groundwater conditions were established between February 2016 and August 2017 for Cells 1, 2, 3, 4, 9, and 10. Additional wells were installed in support of the expansion of Cells 5-8 in April-May of 2023, and background groundwater sampling began in June 2023 in accordance with § 257.94. Results of the

¹ 80 FR 21468, Apr. 17, 2015, as amended at 81 FR 51807, Aug. 5, 2016; 83 FR 36452, July 30, 2018; 85 FR 53561, Aug. 28, 2020



**2023 Semi-Annual Groundwater Monitoring and Corrective Action Report
Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10**

background sampling for Cells 5-8 will be documented in future Groundwater Monitoring and Corrective Action reports.

During the 2023 semi-annual reporting period, one groundwater sampling event was conducted in February 2023 for Cells 1 & 2, 3 & 4, and 9 & 10. Groundwater samples were submitted to Pace[®] Analytical Services, Inc. (Pace), for analysis of Appendix III parameters². Per the CCR Rule, the groundwater analytical results were evaluated in accordance with certified statistical methods. Verified Appendix III constituents with statistically significant increases (SSIs) are provided in the table below and are addressed by the April 19, 2018 and August 18, 2020 Alternate Source Demonstrations (ASDs). An ASD was submitted to GA EPD on May 1, 2023, to address the sulfate and total dissolved solids (TDS) SSIs in GWC-23R identified in the August 2022 semi-annual sampling event.

Appendix III Constituents (SSIs)	February 2023
Calcium	GWC-16R, GWC-17R, GWC-21R, GWC-23R
pH (lower limit)	GWC-9, GWC-44, GWC-45, GWC-48
TDS	GWC-23R

Based on review of the Appendix III statistical results completed for the groundwater monitoring and corrective action program in 2023, the Landfill will continue detection monitoring.

² Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)



Table of Contents

ACRONYMS / ABBREVIATIONS.....	V
1 INTRODUCTION.....	1.1
1.1 Site Description and Background.....	1.1
1.2 Regional Geology and Hydrogeologic Setting.....	1.2
1.3 Groundwater Monitoring System.....	1.3
2 GROUNDWATER MONITORING ACTIVITIES.....	2.1
2.1 Monitoring Well Installation and Maintenance.....	2.1
2.2 Detection Monitoring Program.....	2.1
2.3 Additional Sampling and Analyses.....	2.2
3 SAMPLE METHODOLOGY & ANALYSES.....	3.1
3.1 Groundwater Elevation Measurements and Flow Direction.....	3.1
3.2 Groundwater Gradient and Flow Velocity.....	3.1
3.3 Continuous Water Level Monitoring (Hydrogeologic Monitoring).....	3.2
3.3.1 Hydrogeologic Monitoring Network.....	3.2
3.3.2 Hydrogeologic Monitoring Results.....	3.3
3.4 Groundwater Sampling.....	3.3
3.5 Laboratory Analyses.....	3.4
3.6 Quality Assurance & Quality Control.....	3.4
4 STATISTICAL ANALYSIS.....	4.1
4.1 Statistical Methods.....	4.1
4.1.1 Appendix I and Appendix III Statistical Method.....	4.1
4.2 Statistical Analyses Results.....	4.2
5 ALTERNATE SOURCE DEMONSTRATION.....	5.4
6 MONITORING PROGRAM STATUS.....	6.1
7 CONCLUSIONS & FUTURE ACTIONS.....	7.1
8 REFERENCES.....	8.1

LIST OF TABLES

Table 1	Summary of Monitoring Well Construction
Table 2	Groundwater Sampling Event Summary
Table 3	Summary of Groundwater Elevations
Table 4	Groundwater Flow Velocity Calculations – February 2023
Table 5	Groundwater Analytical Data Summary Landfill Cells 1 & 2 and 9 & 10
Table 6	Groundwater Analytical Data Summary Landfill Cells 3 & 4
Table 7	Statistical Method Summary
Table 8	Downgradient Potential SSI Summary Appendix I Constituents, February 2023 (embedded in text)



**2023 Semi-Annual Groundwater Monitoring and Corrective Action Report
Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10**

Table 9 Downgradient Potential SSI Summary, Appendix III CCR Constituents, February 2023 (embedded in text)

LIST OF FIGURES

Figure 1 Site Location Map
Figure 2 Groundwater Monitoring System
Figure 3 Potentiometric Surface – Overburden Wells, February 2023
Figure 4 Potentiometric Surface – Bedrock Wells, February 2023

LIST OF APPENDICES

Appendix A Well Inspections
Appendix B Well Installation and Abandonment Report
Appendix C Memoranda on Hydrogeologic Monitoring Program
Appendix D Laboratory Analytical Data and Field Sampling Reports
Appendix E Statistical Results
Appendix F Alternate Source Demonstrations



**2023 Semi-Annual Groundwater Monitoring and Corrective Action Report
Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10**

Acronyms / Abbreviations

40 CFR	Title 40 Code of Federal Regulations
ASD	Alternate Source Demonstration
CCR	Coal Combustion Residuals
CCR Rule	Title 40 Code of Federal Regulations 257 Subpart D
cm/sec	centimeters per second
D&O	Design and Operation
DO	Dissolved Oxygen
ft/day	feet per day
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
GSC	Groundwater Stats Consulting, LLC
GWMP	Groundwater Monitoring Program
Landfill or Site	Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10
mg/L	milligrams per liter
NELAP	National Environmental Laboratory Accreditation Program
NTU	Nephelometric Turbidity Unit
ORP	Oxidation-Reduction Potential
Pace	Pace® Analytical Services
QA/QC	Quality Assurance/Quality Control
SCS	Southern Company Services
SSI	Statistically Significant Increase
Stantec	Stantec Consulting Services Inc.
TDS	Total Dissolved Solids
Unified Guidance	<i>Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities</i> , Unified Guidance
US EPA	United States Environmental Protection Agency



**2023 Semi-Annual Groundwater Monitoring and Corrective Action Report
Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10**

WSP WSP USA Environment & Infrastructure, Inc.

USGS United States Geological Survey



1 Introduction

This 2023 Semi-Annual Groundwater Monitoring and Corrective Action Report has been prepared by Stantec Consulting Services Inc. (Stantec) on behalf of Georgia Power Company (Georgia Power) to document groundwater monitoring activities conducted from January 2023 through June 2023 at Georgia Power's Plant Bowen solid waste disposal facility Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10 (Landfill or Site). The groundwater monitoring activities were conducted in accordance with the United States Environmental Protection Agency (US EPA) coal combustion residuals (CCR) rule Title 40 Code of Federal Regulations (40 CFR) 257 Subpart D (CCR Rule) and the Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management 391-3-4-.10.

Groundwater monitoring was previously conducted under the requirements of the Georgia Solid Waste Permit No. 008-018D (LI) and in accordance with the specifications in the permit-issued Design and Operation (D&O) Plan. GA EPD issued CCR Permit No. 008-018D (CCR) on December 8, 2022, which replaces Georgia Solid Waste Permit No. 008-018D (LI). Routine groundwater monitoring and reporting is conducted at the Site pursuant to the groundwater monitoring plan in the new permit.

This report provides the results from one semi-annual sampling event conducted in February 2023 and the resampling events in March and April 2023 at Cells 1 & 2, Cells 3 & 4, and Cells 9 & 10. This sampling event included the scheduled semi-annual sampling for the permit-required Appendix I constituents and the US EPA's CCR Appendix III constituents. The March and April 2023 resampling events were conducted to verify the potential statistically significant increases (SSIs) identified in the February 2023 semi-annual event. Additional wells were installed in support of the expansion of Cells 5-8 in April-May of 2023, and background groundwater sampling began in June 2023 in accordance with § 257.94. Results of the background sampling for Cells 5-8 will be documented in future Groundwater Monitoring and Corrective Action reports. This report satisfies the reporting requirements of applicable GA EPD Solid Waste Management Rules (391-3-4-.14) and federal and Georgia CCR Rule 40 CFR 257.90 (e) and 391-3-4-.10. In this report, for ease of reference when discussing the CCR Rules, the US EPA CCR Rule is cited.

1.1 Site Description and Background

The Plant Bowen Landfill is a Georgia Power-owned property located in Bartow County off State Highway 113, approximately seven miles west-southwest of Cartersville, Georgia, and 20 miles southeast of Rome, Georgia (Figure 1). The disposal facility is approximately 300 acres located on a previously undeveloped, contiguous portion of the plant property. The Landfill is located on the northeast portion of the Plant Bowen property. The disposal facility receives coal combustion by-products, coal ash, and gypsum from coal power generating processes at Plant Bowen. The landfill cells are lined in accordance with Solid Waste Permit No. 008-018D (CCR). Cells 3 & 4 and 9 & 10 have a leachate collection system. Gypsum placement in disposal Cells 1 & 2 began in November 2008, whereas ash placement in disposal Cells 3 & 4 began in February 2015. Waste placement operations were initiated in Cells 9 & 10 in November 2015. In 2020 GA EPD approved the placement of waste following a retrofit of Cells 9 & 10 with a leachate collection system. Cells 9 & 10 are used to store bottom ash. Development of Cells 5, 6, 7, and 8 has begun with land clearing, cell construction, and installation of monitoring wells. Monitoring well



**2023 Semi-Annual Groundwater Monitoring and Corrective Action Report
Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10
1 Introduction**

installation for the proposed landfill cells was completed in May 2023 and will be followed by eight background groundwater sampling events prior to placement of waste, per the site permit.

A groundwater monitoring system around each of the active disposal cells monitors the groundwater conditions at the Site. The monitoring well locations are shown on Figure 2. A subset of the monitoring wells is equipped with data loggers and telemetry systems for water level measurements and data transmission for real-time monitoring of groundwater levels in the subsurface karst geology.

Groundwater monitoring began in 2007 in accordance with the D&O Plan, prior to disposal activities, and continues to date. Groundwater monitoring and reporting activities, conducted in accordance with 40 CFR § 257.90 through § 257.94 of the CCR Rule, were initiated in 2016. Pursuant to 40 CFR § 257.94(b), the eight baseline sampling events were conducted from February 2016 to August 2017, with the initial detection monitoring event occurring in September-October 2017.

1.2 Regional Geology and Hydrogeologic Setting

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

As described in the Hydrogeologic Report and Groundwater Monitoring Plan (Southern Company Services [SCS] 2006), the lithologies present in the landfill area of Plant Bowen from the ground surface to depth are terrace deposits, a residuum clay overburden, dolomite, and limestone bedrock. The Knox Group (dolomite and limestone bedrock) produces a characteristic orange to red clayey residuum (overburden soil) that ranges in thickness from 19 to 127 feet across the Site and often contains weathered chert and dolomite fragments. Silt and clay with some gravel and sand (terrace deposits) overlay the clayey residuum in some areas but are not continuous across the landfill area of Plant Bowen.

The uppermost aquifer for groundwater monitoring purposes is comprised of an overburden (residuum clay and partially weathered rock) and carbonate bedrock. The uppermost aquifer is unconfined, and, depending on the variability of weathering characteristics, the groundwater surface may occur in the overburden and/or carbonate bedrock. Overburden materials are heterogeneous ranging in composition from well-graded gravelly sand to fat clay. Bedrock underlying the Site (officially mapped as Knox undifferentiated) is a carbonate bedrock (limestone and dolomite). This local karst geology features massive limestone and dolostone beds with chert, calcite, and fractures and void spaces that were observed during well installation activities. Karst features within the underlying carbonate bedrock are predominately formed along initial discontinuities including joints, fissures (slots), fractures, and bedding planes or other linear features. These karst features may be partially or completely filled with soft unconsolidated sediments or may be empty or filled with water. The top of the karst features is usually identified as having a thin zone of weathered carbonate bedrock.

The groundwater flow in the Landfill Cells 1 & 2 and 9 & 10 area is generally to the north-northeast and west-northwest in the Landfill Cells 3 & 4 area. However, there are variations in groundwater flow direction at the Site. Information on groundwater flow for cells 5 & 6 and 7 & 8 will be included following the August 2023 semi-annual sampling event.



1.3 Groundwater Monitoring System

The existing groundwater monitoring system meets the requirements listed in § 257.91 and 391-3-4.10; a groundwater monitoring system was installed at the Landfill that consists of a sufficient number of wells installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer to represent the groundwater quality both upgradient of the unit (i.e., background conditions) and passing the waste boundary of the unit. The number, spacing, and depths of the groundwater monitoring wells were selected based on the characterization of site-specific hydrogeologic conditions. The locations of the monitoring wells included in the groundwater monitoring system are presented on Figure 2. Well construction details are listed in Table 1.



2 Groundwater Monitoring Activities

The following sections describe monitoring-related activities performed from January 2023 through June 2023. Samples were collected in February 2023 from each of the wells in the groundwater monitoring system shown on Figure 2. Verification sampling events were conducted in March and April 2023. Table 2 presents a summary of the 2023 groundwater sampling events completed for the Landfill during this monitoring period. Background groundwater sampling events for the wells installed in April 2023 began in June 2023.

2.1 Monitoring Well Installation and Maintenance

Monitoring wells are inspected semi-annually to determine if repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In February 2023, monitoring wells were inspected, and necessary corrective actions were identified and subsequently completed, as documented in Appendix A.

The following modifications were made to the groundwater monitoring system during the Semi-Annual reporting period:

- Georgia Power installed 15 monitoring wells and 1 piezometer at Cells 5 & 6 and 7 & 8 from April 17 to May 24, 2023. The Well Installation Report is included in Appendix B.

2.2 Detection Monitoring Program

Georgia Power currently monitors groundwater associated with the Landfill under the detection groundwater monitoring program in accordance with § 257.94 and Solid Waste Management Rule 391-3-4-.10(6). The semi-annual detection monitoring event occurred in February 2023. Groundwater samples were collected from monitoring wells in the groundwater monitoring system (Figure 2) and analyzed for:

- CCR Rule Appendix III constituents
- A state-modified Appendix I list of detection constituents according to GA EPD Rules for Solid Waste Management 391-3-4-.10 and the approved Groundwater Monitoring Plan (GWMP). The state-modified analyte list includes antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc.
- Field parameters recorded during sampling, including pH, temperature, turbidity, dissolved oxygen (DO), specific conductance, and oxidation-reduction potential (ORP).

Background sampling in accordance with § 257.94 for the newly installed wells at Cells 5 & 6 and 7 & 8 occurred in June 2023. Groundwater samples were collected from monitoring wells and analyzed for:

- CCR Rule Appendix III and IV constituents
- A state-modified Appendix I list of detection constituents according to GA EPD Rules for Solid Waste Management 391-3-4-.10 and the approved GWMP. The state-modified analyte list



**2023 Semi-Annual Groundwater Monitoring and Corrective Action Report
Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10
2 Groundwater Monitoring Activities**

includes antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc.

- Field parameters recorded during sampling, including pH, temperature, turbidity, DO, specific conductance, and ORP.

2.3 Additional Sampling and Analyses

An ephemeral spring at the Site, as shown on Figure 2, is checked for water during each groundwater sampling event. Water was present in the spring during the February 2023 sampling event. The spring sampling results are included in laboratory reports discussed in Section 3.5.

In addition to routine Appendix I and CCR Rule Appendix III constituents, groundwater samples from the February 2023 event were analyzed for major cations and anions. The chemical composition of groundwater based on major ion chemistry data will be used to evaluate groundwater quality. Results are included in laboratory reports discussed in Section 3.5.



3 Sample Methodology & Analyses

The following section presents a summary of the field sampling procedures that were implemented and the groundwater sampling results that were obtained in connection with the detection monitoring program conducted from January through June 2023.

3.1 Groundwater Elevation Measurements and Flow Direction

Prior to each sampling event, groundwater levels were recorded at each monitoring well and piezometer at the Landfill. The calculated groundwater elevations for the February 2023 sampling event are presented in Table 3.

The groundwater elevation data were used to develop potentiometric surface elevation contour maps (Figures 3 and 4). Review of Figures 3 and 4 shows that groundwater elevations vary between landfill cells due to topographic variations in the overburden-bedrock aquifer. Groundwater elevations are similar between the overburden and the upper bedrock at most onsite locations indicating hydraulic communication between the saturated overburden and upper bedrock. The general direction of groundwater flow in the overburden of Landfill Cells 1 & 2 and 9 & 10 area is to the northeast, and to the north-northeast for bedrock. Overburden and bedrock groundwater flows to the north-northwest for Landfill Cells 3 & 4. Observed groundwater elevations and flow directions are consistent with previous observations.

3.2 Groundwater Gradient and Flow Velocity

The groundwater flow velocity at the Site was calculated using a derivation of Darcy's Law. Specifically,

$$V = \frac{K * i}{n_e}$$

Where:

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

K = Average horizontal hydraulic conductivity of the aquifer $\left(\frac{\text{feet}}{\text{day}}\right)$

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

n_e = Effective porosity

The general groundwater flow velocity that was calculated for the Site is based on hydraulic gradients estimated from 2023 groundwater level measurement data. Information used for the calculations is provided in Table 4. Average hydraulic conductivity values were based on previous slug test data and an estimated effective porosity of 0.01 (based on default soil type value for silty clays to clays in US EPA 530/SW-89-031 [US EPA, 1989]) for the screened horizon. The average hydraulic conductivity values used in the overburden calculations (2.54×10^{-5} centimeters/second [cm/sec] = 0.072 feet per day [ft/day]) and the bedrock calculations (1.26×10^{-4} cm/sec = 0.36 ft/day) are presented in the *Plant Bowen Coal Combustion Residuals (CCR) Landfill Groundwater Monitoring Plan* (WSP USA Environment &



**2023 Semi-Annual Groundwater Monitoring and Corrective Action Report
Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10
3 Sample Methodology & Analyses**

Infrastructure, Inc. (WSP), 2022). Results for groundwater flow velocities range from approximately 0.02 to 0.13 ft/day in the overburden and from approximately 0.03 to 0.40 ft/day in the bedrock (Table 4).

Lower groundwater velocities noted in the overburden material are due to the abundance of residual clays in this zone. Higher velocities noted in the upper bedrock are attributed to preferential groundwater flow in the fractured bedrock. Groundwater flow in the Knox Dolomite Formation, underlying the Site, occurs in joints, fractures, bedding planes, and solution channels (Croft, 1963). These pathways can facilitate relatively higher groundwater flows in the upper fractured bedrock. However, the flow rates noted in the wells screened in the upper fractured bedrock (Table 4) also suggest an abundance of residual clays in the zone where the top of the carbonate bedrock is weathered.

3.3 Continuous Water Level Monitoring (Hydrogeologic Monitoring)

Georgia Power continuously monitors groundwater level fluctuations in accordance with the *Plant Bowen Coal Combustion Residuals (CCR) Landfill Groundwater Monitoring Plan* (WSP, 2022). The hydrogeologic monitoring network provides Site-wide water level data, which are evaluated for changes in subsurface hydrologic conditions. The hydrogeologic data are evaluated weekly and reported semi-annually.

3.3.1 HYDROGEOLOGIC MONITORING NETWORK

Hydrogeologic monitoring locations shown in Figure 2 for Cells 1 & 2, 3 & 4, and 9 & 10 were selected following analysis of the interim data and review of historical groundwater elevations and potentiometric surface maps. Across the landfill cells, there are a total of 33 wells as of June 2023 currently equipped with transducers for monitoring water levels. There were previously 37 wells equipped with transducers, of which four were removed from the monitoring network on October 12, 2022, due to the landfill expansion. Transducers will be installed following the evaluation of hydrogeologic conditions at newly installed wells in Cells 5 & 6 and 7 & 8.

For the hydrogeologic monitoring network, Georgia Power utilized In-Situ® Instruments, Inc.'s Win-Situ® reporting software and Level Troll 500® pressure transducers. Each pressure transducer was deployed in a selected monitoring well at a fixed depth and linked to its own telemetry box with a vented transducer cable. Groundwater levels were recorded multiple times daily from each well transducer, and each transducer was programmed to record fluctuations in water levels of ± 0.5 feet occurring within four-hour recording schedules. The telemetry system relays water level data via satellite to a central data storage unit that can be accessed in real-time over the internet; whereby, the data can be checked for anomalous groundwater level fluctuations. Groundwater elevations, along with the river stage elevations and rainfall data, recorded between December 12, 2022 and June 6, 2023, are provided in two monitoring reports for the three disposal cell units in Appendix C: Memoranda on Hydrogeologic Monitoring Program.

During the reporting period, transducers from wells GWA-24R, GWA-36RA, GWA-41R, GWC-7Z, GWC-47, and GWC-47R, had issues with the telemetry systems and data upload. SCS staff corrected these issues and data logging and transmission has been reestablished.

The United States Geological Survey (USGS) river gauge (#02394670) at Cartersville, Georgia was used to monitor the surface water elevations in the Etowah River. Rainfall data are also obtained from the USGS station #02394670 on the Etowah River at Georgia Route 61 and from an on-site rain gauge.



**2023 Semi-Annual Groundwater Monitoring and Corrective Action Report
Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10
3 Sample Methodology & Analyses**

3.3.2 HYDROGEOLOGIC MONITORING RESULTS

Over the 2023 semi-annual monitoring period from December 12, 2022 through June 6, 2023, the hydrogeologic monitoring network pressure transducers were operational and collected continuous groundwater elevation data, with the exceptions described in Appendix C and in Section 3.3.1. Table 1 in the hydrogeologic monitoring memoranda (Appendix C) lists identified data anomalies, their causes, and major maintenance efforts during the monitoring period. Observed disruptions in the transducer water levels were found to be directly attributed to: (a) drawdown during sampling events, water level gauging, and well development, (b) maintenance of wells, transducers, or telemetry units, or (c) rainfall events (greater than 1.5 inches of rain). Hydrogeologic monitoring data for the 2023 semi-annual monitoring period did not show water level fluctuations or sudden decreases in groundwater elevation data attributed to subsurface changes that might be indicative of land subsidence or sinkhole formation.

3.4 Groundwater Sampling

For the 2023 semi-annual monitoring period, groundwater samples were collected during one detection monitoring event in February 2023 and verification events in March and April 2023. Sampling procedures were conducted in accordance with US EPA Region 4 Laboratory Services and Applied Science Division operating procedures (US EPA 2013, 2017). Monitoring wells were purged and sampled using low-flow sampling procedures. Dedicated or non-dedicated low-flow pneumatic bladder pumps were used to purge and sample the wells. A SmartTroll® or AquaTroll® (In-Situ® field instrument) was used to monitor and record field water quality parameters (pH, specific conductance, DO, temperature, and ORP) and a Hach 2100Q was used to measure turbidity during well purging to verify stabilization prior to sampling.

Groundwater samples were collected when the following stabilization criteria were met for three consecutive readings:

- pH \pm 0.1 Standard Units
- Specific conductance \pm 5%
- \pm 10% for DO where DO > 0.5 milligrams per liter (mg/L). No criterion applies if DO < 0.5 mg/L.
- Turbidity measurements less than five Nephelometric Turbidity Units (NTUs), or between five and ten NTUs after three hours of purging.
- Temperature – Record only, not used for stabilization criteria.
- ORP – Record only, not used for stabilization criteria.

Once stabilization was achieved, samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to Pace® Analytical Services (Pace) in Peachtree Corners (Atlanta), Georgia following standard chain-of-custody protocol. Stabilization logs and equipment calibration forms are included in Appendix D.



3.5 Laboratory Analyses

Laboratory analyses were performed by Pace, of Peachtree Corners (Atlanta), Georgia. Pace is accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintains a NELAP certification for the constituents analyzed. In addition, Pace is certified to perform analysis by the State of Georgia. Groundwater data laboratory reports and chain-of-custody records for the monitoring events are presented in Appendix D.

The groundwater analytical results from the February 2023 detection events and the March and April 2023 verification events are summarized in Tables 5 and 6. Laboratory analytical results for the wells installed in April-May 2023 at Cells 5 & 6 and 7 & 8 will be included in the 2023 Annual Groundwater Monitoring and Corrective Action Report. The Pace laboratory reports associated with these results are provided in Appendix D. The pH field measurements recorded during the detection monitoring and verification sampling events are also provided in Tables 5 and 6.

3.6 Quality Assurance & Quality Control

During each sampling event, quality assurance/quality control (QA/QC) samples were collected. Equipment blanks (where non-dedicated sampling equipment is used) were collected at a rate of one QA/QC sample per ten groundwater samples. Blind field duplicate samples were collected by filling additional containers at the same location during the sampling event at a rate of one QA/QC sample per ten groundwater samples. Field blanks were also collected to evaluate ambient conditions at the sampling locations at a rate of one QA/QC sample per ten groundwater samples.

QA/QC of the groundwater data were assessed by performing a data quality evaluation of the reported laboratory results. A data quality evaluation was conducted on the data using laboratory precision and accuracy, and analytical method requirements (US EPA, 2002). The data are considered usable for meeting project objectives, and the results are considered valid. In addition to collecting QA/QC samples, the data were validated based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and applicable federal and site-specific guidance documents (US EPA, 2011; US EPA, 2017). The data quality evaluations are included in Appendix D.

The analytical results provided in Tables 5 and 6 provide concentrations from the groundwater sampling events as reported by the laboratory.



4 Statistical Analysis

This section presents a summary of the statistical approach applied to assess the 2023 semi-annual groundwater data for potential SSIs of permit stipulated constituents reported in downgradient compliance wells relative to the available historical dataset. The statistical analyses used at the Site for Appendix I and Appendix III constituents were conducted pursuant to 40 CFR § 257.93 and Rule 391-3-4-.10 in accordance with the recommended statistical methodology provided in 2017 by MacStat Consulting, Ltd. and based on methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities*, Unified Guidance, March 2009, EPA 530/R-09-007 (US EPA, 2009), herein after referred to as the Unified Guidance.

On August 12, 2019, Georgia Power submitted a minor permit modification of the former permit to GA EPD to allow for the inclusion of intrawell methods for Appendix I D&O constituents. This approach was approved by GA EPD in a letter dated August 20, 2019. On February 26, 2021, Georgia Power submitted a minor modification to implement a two-step statistical approach for the detection monitoring program to address initial SSIs over background for constituents currently analyzed using an intrawell statistical approach. This approach was approved by GA EPD in a letter dated April 19, 2021, and in the December 2022 GWMP. The two-step analysis is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine “background” (Unified Guidance, Chapter 7, Section 7.5).

On February 25, 2022, Georgia Power updated the Statistical Analysis Method Certification (certified by a registered Professional Engineer) to combine Cells 1 & 2 and Cells 9 & 10 overburden and bedrock wells because both units comprise the uppermost aquifer for groundwater monitoring purposes.

4.1 Statistical Methods

Descriptions of the statistical analyses of groundwater quality data obtained in the Groundwater Stats Consulting, LLC (GSC) Statistical Analysis Reports are provided in Appendix E. Table 7 provides a summary of the statistical methodology used at the Site for the February 2023 event. Sanitas™ groundwater statistical software was used to perform the statistical analyses. Sanitas™ is a commercially available decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the Unified Guidance (US EPA, 2009). Detailed statistical methods used for Appendix I and Appendix III constituents are discussed in statistical analysis packages provided in Appendix E and summarized in Section 4.1.1.

4.1.1 APPENDIX I AND APPENDIX III STATISTICAL METHOD

Intrawell and interwell methods were used to analyze the February 2023 detection groundwater monitoring event results, as summarized in Table 7. Eligibility for intrawell methods is discussed in detail in the Statistical Analysis Reports (Appendix E).

In instances where a potential SSI was identified by intrawell statistical methods, interwell statistical methods were used as a second step to determine if the initial potential SSI was below a sitewide background limit. If the concentrations were above both the intrawell and interwell prediction limits, then



2023 Semi-Annual Groundwater Monitoring and Corrective Action Report

Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10

4 Statistical Analysis

an additional verification sampling (i.e., one of two resampling) was collected to verify the potential SSI. When a resample analytical result was below the intrawell prediction limit, then the result was not declared an SSI. If the resample analytical result was above the prediction limit or a resample was not collected, then the SSI was verified and declared.

In instances where a potential SSI was identified by interwell statistical methods, a resample was collected to verify the initial result. When a resample analytical result was below the prediction limit, then the result was not declared an SSI. If the resample analytical results was above the prediction limit or a resample was not collected, then the SSI was verified and declared.

Background data were tested using the Sen's Slope/Mann Kendall or linear regression trend test to confirm suspected increasing or decreasing trends (Appendix E). The distribution of the data determined which trend test was used.

4.2 Statistical Analyses Results

Statistical analysis of the February 2023 event Appendix I and Appendix III constituent data is provided in Appendix E. The February 2023 data, along with necessary verification groundwater data, were statistically evaluated by GSC.

Using the statistical analysis approach described in Section 4.1 for the detection monitoring data and associated verification data, potential SSIs from the February 2023 event for Appendix I and Appendix III constituents are presented in Tables 8 and 9 below, respectively. Potential SSIs addressed by previously submitted alternate source demonstrations (ASDs) or not verified via re-sampling are indicated in the footnotes.

TABLE 8
DOWNGRADIENT POTENTIAL SSI SUMMARY
APPENDIX I CONSTITUENTS
February 2023
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
Bartow County, Georgia

Appendix I Constituents	Downgradient Wells with Potential SSIs
Cells 1 & 2 and 9 & 10	
Mercury	GWC-48 ^{1**}

¹ Potential SSI not verified based on March 2023 resampling event results.

^{**} ASD previously submitted. Refer to Section 5 for more information.



**2023 Semi-Annual Groundwater Monitoring and Corrective Action Report
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10
 4 Statistical Analysis**

**TABLE 9
 DOWNGRADIENT POTENTIAL SSI SUMMARY
 APPENDIX III CCR CONSTITUENTS
 February 2023
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
 Bartow County, Georgia**

Appendix III Constituents	Downgradient Wells with Potential SSIs
Cells 1 & 2 and 9 & 10	
pH (lower limit)	GWC-9**, GWC-44**, GWC-45**, GWC-48**
TDS	GWC-13 ¹
Cells 3 & 4	
Calcium	GWC-16R**, GWC-17R**, GWC-21R**, and GWC-23R**
TDS	GWC-23R**

¹ Potential SSI not verified with April 2023 resampling event.

** ASD previously submitted. Refer to Section 5 for more information.



5 Alternate Source Demonstration

Alternate source demonstrations were previously submitted to GA EPD under separate report covers to address SSIs of Appendix I and Appendix III constituents. Based on GA EPD guidance, ASDs no longer require concurrence if an SSI has not been detected for two consecutive events, which indicates natural variability. SSIs confirmed during this reporting period are addressed by previous ASDs listed below. SSIs addressed in previous ASDs that were not confirmed during this reporting period are noted in the table.

During this reporting period, an ASD was submitted to address SSIs for sulfate and TDS identified during the August 2022 event and is noted in the table below (Appendix F). As described in the ASD, the occurrence of SSIs for sulfate and TDS in well GWC-23R are attributed to natural variation. Supporting evidence for this conclusion includes CCR Rule Appendix III indicator parameters boron, chloride, fluoride, and pH are undetected or detected in very low concentrations; the similarity in groundwater geochemistry when compared to upgradient wells; and decreasing water levels contrast with increasing sulfate, and TDS concentrations. Additionally, the statistical evaluation of recent groundwater data, including the February 2023 sampling event, does not identify an SSI of sulfate.

The ASD for beryllium, chloride, and mercury, originally submitted in November 2022, was updated during this reporting period in April 2023. The updated ASD is included in Appendix F.

Alternate Source Demonstration	Constituent	Well	Status of Approval by GA EPD
Wood Environment & Infrastructure Solutions, Inc., Alternate Source Demonstration Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Solid Waste Disposal Facility Permit No. 008-018D (LI), April 19, 2018	pH	GWC-44, GWC-45, GWC-48 ⁽¹⁾	Approved 1/30/2019
	Calcium	GWC-16R, GWC-17R, GWC-21R, GWC-23R	
Wood Environment & Infrastructure Solutions, Inc., Alternate Source Demonstration Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Solid Waste Disposal Facility Permit No. 008-018D (LI), August 18, 2020	pH	GWC-9	Submitted
Stantec, Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January-February 2022 Semi-Annual Event, November 29, 2022, updated April 2023	Chloride	GWC-48 ⁽¹⁾	Submitted
	Mercury	GWC-48 ⁽¹⁾	
Stantec, Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event, May 1, 2023	Sulfate	GWC-23R ⁽¹⁾	Submitted
	Total dissolved solids	GWC-23R	

¹ SSI from the previous event not confirmed during most recent sampling event (February 2023)



6 Monitoring Program Status

Groundwater monitoring for the Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 is in the detection monitoring phase. In February 2023, the first semi-annual detection monitoring event of 2023 was conducted, and no SSIs were verified. Potential SSIs of three Appendix III (calcium, pH, and TDS) were identified. Those potential SSIs are addressed with ASDs submitted in April 2018, August 2020, November 2022, and May 2023. A potential SSI of one Appendix I constituent (mercury in GWC-48) was identified and was not verified with resampling in March 2023. A potential SSI of one Appendix III constituent (TDS in GWC-13) was identified and was not verified with resampling in April 2023. Groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, 9 & 10 will continue in the detection monitoring phase.



7 Conclusions & Future Actions

This 2023 Semi-Annual Groundwater Monitoring and Corrective Action Report for Georgia Power's Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10 was prepared to fulfill the requirements of both applicable federal and state CCR Rules and GA EPD Solid Waste Management Rules (40 CFR § 257.90(e) and 391-3-4-.10).

In February 2023, no verified SSIs of Appendix III and Appendix I constituents were identified. The potential SSIs were either addressed by resampling results not verifying the initial analytical results or previous ASDs. These potential SSIs identified during the semi-annual reporting period are not thought to be the result of a release from the Landfill Cells 1 & 2, 3 & 4, and 9 & 10 and are attributed to natural variability of groundwater chemistry underlying the Site. Groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 will continue in the detection monitoring phase. The next 2023 semi-annual groundwater monitoring event is scheduled for July-August 2023. Upcoming background sampling events will be included in future reports.



8 References

- Croft, M.G., 1963. Geology and ground-water resources of Bartow County, Georgia. U.S. Geological Survey Water-Supply Paper 1619-FF, 37 p.
- Southern Company Services, Inc. (SCS), 2002. Plant Bowen Coal Combustion By-Products Storage Facility Site Acceptability Report.
- SCS, 2004. Plant Bowen Proposed Coal Combustion By-Product Monofill Addendum I Site Acceptability Report – Hydrogeological Assessment and Demonstration of Engineering Measures.
- SCS, 2006. Plant Bowen Coal Combustion By-Product Disposal Facility- Hydrogeologic Report and Groundwater Monitoring Plan – Revision 1.
- Stantec Consulting Services Inc. (Stantec), 2022. Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January-February 2022 Semi-Annual Event Semi-Annual Event Cells 1 & 2, 3 & 4, and 9 & 10, November 31, 2022. Updated April 2023.
- Stantec, 2023. Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event Cells 1 & 2, 3 & 4, and 9 & 10, May 1, 2023.
- U. S. Environmental Protection Agency (US EPA), 1989. USEPA 530/SW-89-031 Interim Final RCRA Investigation (RFI) Guidance, Volume I and II.
- US EPA, 2002. Data Validation Standard Operating Procedures and Quality Assurance Manual., November.
- US EPA, March 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. USEPA 350/R-09/007 Office of Solid Waste Management Division, U.S. Environmental Protection Agency, Washington, D. C.
- US EPA, 2013. Groundwater Sampling, SESDPROC-301-R3.
- US EPA, 2017. Groundwater Sampling; Science and Ecosystem Support Division, United States Environmental Protection Agency (US EPA) Region 4, SESDPROC-301-R4, April 26, 2017.
- Wood Environment & Infrastructure Solutions, Inc., 2018. Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Alternate Source Demonstration Cells 1 & 2, 3 & 4, and 9 & 10 (Barium, Zinc, pH, Calcium, Chloride, Sulfate, and TDS various wells), April 19, 2018.
- Wood Environment & Infrastructure Solutions, Inc., 2020. Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Alternate Source Demonstration for March 2020 Semi-Annual Event Cells 1 & 2, 3 & 4, and 9 & 10 (Barium, Zinc, pH, Calcium, Chloride, Sulfate, and TDS various wells), August 31, 2020.
- WSP USA Environment & Infrastructure, Inc. Plant Bowen Coal Combustion Residuals (CCR) Landfill Groundwater Monitoring Plan, September 2022.



TABLES



TABLE 1
Summary of Monitoring Well Construction

Georgia Power Company - Plant Bowen
 Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
 Bartow County, Georgia

Well Name	Installation Date	Northing (ft NAD83) ⁽¹⁾	Easting (ft NAD83) ⁽¹⁾	Ground Surface Elevation (ft, NAVD88) ⁽²⁾	Top of Casing Elevation (ft, NAVD88) ⁽²⁾	Top of Screen Elevation (ft, NAVD88) ⁽³⁾	Bottom of Screen Elevation (ft, NAVD88) ⁽³⁾	Well Depth (ft below ground surface)	Lithology Screened	Hydraulic Location and Purpose
Cells 1 & 2 and 9 & 10										
GWA-1	4/12/2007	1502842.29	2071724.15	738.86	741.76	601.13	591.13	147.90	Overburden/Bedrock	Upgradient ⁽⁴⁾
GWA-2	4/4/2007	1502640.55	2071935.13	731.48	733.89	590.00	580.00	151.92	Overburden/Bedrock	Upgradient ⁽⁴⁾
GWA-2R	8/3/2007	1502615.38	2071965.52	732.66	734.83	637.53	627.53	106.03	Bedrock	Upgradient ⁽⁴⁾
GWA-3	4/11/2007	1502386.74	2072067.26	729.90	732.47	644.90	634.90	95.40	Overburden	Upgradient ⁽⁴⁾
GWA-3A	3/16/2021	1502374.48	2072061.21	728.68	731.68	601.88	591.88	137.27	Overburden	Upgradient ⁽⁴⁾
GWA-4R	3/13/2007	1502246.31	2072317.15	740.65	743.23	657.60	647.60	93.17	Bedrock	Upgradient ⁽⁵⁾
GWA-4RZ	10/28/2016	1502238.85	2072329.55	740.04	742.84	633.04	623.04	117.00	Bedrock	Upgradient ⁽⁴⁾
GWA-39Z	3/1/2016	1502655.66	2071120.65	731.80	735.15	628.10	618.10	114.00	Overburden	Upgradient ⁽⁴⁾
GWA-39RZ	11/4/2016	1502618.73	2071164.20	729.57	732.62	602.57	592.57	137.00	Bedrock	Upgradient ⁽⁴⁾
GWA-40	6/7/2011	1503195.09	2071299.94	728.93	731.77	589.03	579.03	150.20	Overburden	Upgradient ⁽⁴⁾
GWA-41	6/6/2011	1503519.02	2071046.18	738.91	742.35	646.41	636.41	102.54	Overburden	Upgradient ⁽⁴⁾
GWA-41R	6/1/2011	1503527.39	2071050.84	737.95	743.08	635.19	625.19	113.06	Bedrock	Upgradient ⁽⁴⁾
GWA-42	6/1/2011	1503823.34	2071049.95	734.45	738.05	662.69	652.69	82.06	Overburden	Upgradient ⁽⁴⁾
GWA-43	5/25/2011	1504129.20	2070982.44	707.61	710.94	627.71	617.71	90.20	Overburden	Upgradient ⁽⁴⁾
GWA-43R	5/24/2011	1504117.39	2070973.14	707.80	711.19	594.10	584.10	124.20	Bedrock	Upgradient ⁽⁴⁾
GWA-50	6/4/2008	1502154.80	2072442.13	728.74	731.21	644.71	634.71	94.33	Overburden	Upgradient ⁽⁴⁾
GWA-50R	6/10/2008	1502150.85	2072448.35	727.87	730.37	599.69	589.69	138.48	Bedrock	Upgradient ⁽⁴⁾
GWC-5	4/18/2006	1502341.56	2072677.44	735.11	737.56	634.00	624.00	111.29	Overburden	Downgradient ⁽⁴⁾
GWC-6	5/1/2007	1502520.08	2072962.89	725.97	728.64	628.35	618.35	107.53	Overburden	Downgradient ⁽⁴⁾
GWC-6RZ	4/28/2015	1502502.00	2072900.50	728.66	731.91	633.66	623.66	105.30	Bedrock	Downgradient ⁽⁴⁾
GWC-7Z	5/19/2016	1502640.13	2073193.22	709.70	713.04	606.00	596.00	114.00	Overburden	Downgradient ⁽⁴⁾
GWC-8Z	4/28/2015	1502827.67	2073526.15	698.68	702.09	635.68	625.68	73.30	Overburden	Downgradient ⁽⁴⁾
GWC-8RR	6/27/2011	1502857.71	2073501.74	698.96	701.92	601.96	591.96	107.30	Bedrock	Downgradient ⁽⁴⁾

TABLE 1
Summary of Monitoring Well Construction

Georgia Power Company - Plant Bowen
 Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
 Bartow County, Georgia

Well Name	Installation Date	Northing (ft NAD83) ⁽¹⁾	Easting (ft NAD83) ⁽¹⁾	Ground Surface Elevation (ft, NAVD88) ⁽²⁾	Top of Casing Elevation (ft, NAVD88) ⁽²⁾	Top of Screen Elevation (ft, NAVD88) ⁽³⁾	Bottom of Screen Elevation (ft, NAVD88) ⁽³⁾	Well Depth (ft below ground surface)	Lithology Screened	Hydraulic Location and Purpose
Cells 1 & 2 and 9 & 10										
GWC-10	9/6/2006	1503162.70	2074019.96	684.89	687.87	626.70	616.70	68.33	Overburden	Downgradient ⁽⁴⁾
GWC-10R	5/15/2007	1503154.01	2074020.44	685.33	687.95	599.83	589.83	95.18	Bedrock	Downgradient ⁽⁴⁾
GWC-11	6/1/2007	1503390.40	2073829.95	675.04	677.83	643.28	633.28	41.71	Overburden	Downgradient ⁽⁴⁾
GWC-11R	5/31/2007	1503395.25	2073828.03	675.98	677.73	608.08	598.08	78.85	Bedrock	Downgradient ⁽⁴⁾
GWC-12	6/4/2007	1503662.54	2073693.63	674.66	677.25	636.56	626.56	48.41	Overburden	Downgradient ⁽⁴⁾
GWC-13	5/31/2007	1503898.17	2073495.16	684.19	686.76	613.75	603.75	80.43	Overburden	Downgradient ⁽⁴⁾
GWC-13R	6/5/2007	1503908.53	2073501.95	683.17	685.97	594.17	584.17	99.10	Bedrock	Downgradient ⁽⁵⁾
GWC-13RZ	11/2/2016	1503926.70	2073517.44	681.71	684.60	589.71	579.71	102.00	Bedrock	Downgradient ⁽⁴⁾
GWC-14	8/22/2007	1504059.92	2073205.96	684.04	686.81	616.30	606.30	78.01	Overburden	Downgradient ⁽⁵⁾
GWC-14Z	11/3/2016	1504060.77	2073193.66	684.34	687.28	621.34	611.34	73.00	Overburden	Downgradient ⁽⁴⁾
GWC-15	6/1/2007	1503943.59	2072927.52	692.75	695.19	635.74	625.74	67.11	Overburden	Downgradient ⁽⁵⁾
GWC-15Z	10/31/2016	1503952.26	2072918.71	693.28	695.92	631.28	621.28	72.00	Overburden	Downgradient ⁽⁴⁾
GWC-15R	5/24/2007	1503936.17	2072919.39	693.39	696.13	611.25	601.25	92.36	Bedrock	Downgradient ⁽⁴⁾
GWC-44	6/9/2011	1504436.66	2071414.30	710.15	712.89	637.22	627.22	83.23	Overburden	Downgradient ⁽⁴⁾
GWC-45	5/17/2007	1504539.38	2071956.71	698.41	701.53	643.98	633.98	64.73	Overburden	Downgradient ⁽⁴⁾
GWC-45R	5/22/2007	1504538.68	2071945.39	699.00	702.02	583.56	573.56	125.74	Bedrock	Downgradient ⁽⁴⁾
GWC-46R	8/15/2014	1504522.23	2072184.47	687.94	690.49	641.84	631.84	56.50	Bedrock	Downgradient ⁽⁴⁾
GWC-47	4/23/2014	1504543.69	2072481.34	687.44	690.86	630.44	620.44	67.33	Overburden	Downgradient ⁽⁴⁾
GWC-47R	4/24/2014	1504539.25	2072467.10	687.71	691.13	616.91	606.91	81.20	Bedrock	Downgradient ⁽⁴⁾
GWC-48	6/8/2011	1504490.63	2072851.71	686.20	688.33	642.70	632.70	54.00	Overburden	Downgradient ⁽⁴⁾
GWC-49Z	3/1/2016	1504238.30	2072896.49	706.12	709.11	626.92	616.92	89.50	Overburden	Downgradient ⁽⁴⁾
GWC-49R	4/17/2014	1504246.02	2072918.76	706.24	709.56	585.54	575.54	131.10	Bedrock	Downgradient ⁽⁴⁾

TABLE 1
Summary of Monitoring Well Construction

Georgia Power Company - Plant Bowen
 Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
 Bartow County, Georgia

Well Name	Installation Date	Northing (ft NAD83) ⁽¹⁾	Easting (ft NAD83) ⁽¹⁾	Ground Surface Elevation (ft, NAVD88) ⁽²⁾	Top of Casing Elevation (ft, NAVD88) ⁽²⁾	Top of Screen Elevation (ft, NAVD88) ⁽³⁾	Bottom of Screen Elevation (ft, NAVD88) ⁽³⁾	Well Depth (ft below ground surface)	Lithology Screened	Hydraulic Location and Purpose
Cells 3 & 4, 5 & 6, and 7 & 8										
GWA-33	4/23/2023	1504340.99	2075103.67	672.57	675.48	618.57	608.57	64.50	Overburden	Upgradient ⁽⁵⁾
GWA-33R	5/18/2023	1504344.03	2075078.25	672.13	675.20	572.43	562.43	109.70	Bedrock	Upgradient ⁽⁴⁾
GWA-34	5/22/2023	1504387.10	2074401.03	670.19	673.25	614.89	604.89	65.40	Overburden	Upgradient ⁽⁴⁾
GWA-34R	5/21/2023	1504398.26	2074378.34	670.24	672.95	582.24	572.24	98.50	Bedrock	Upgradient ⁽⁴⁾
GWA-35	4/21/2023	1504694.22	2074045.15	693.83	696.66	637.83	627.83	66.00	Overburden	Upgradient ⁽⁴⁾
GWA-36A	3/18/2022	1505026.95	2073357.46	680.63	683.75	588.80	578.80	102.16	Overburden	Upgradient ⁽⁴⁾
GWA-36R	6/15/2011	1505051.72	2073384.47	681.41	684.16	605.71	595.71	86.00	Bedrock	Upgradient ⁽⁴⁾
GWA-36RA	7/2/2021	1505060.13	2073365.45	682.26	684.50	583.26	573.26	109.40	Bedrock	Upgradient ⁽⁴⁾
GWA-37	9/11/2013	1505345.45	2073069.32	700.44	703.72	606.24	596.24	104.50	Overburden	Upgradient ⁽⁴⁾
GWA-38	6/13/2011	1505501.33	2072831.77	713.32	716.24	658.62	648.62	65.00	Overburden	Upgradient ⁽⁴⁾
GWA-57	5/17/2023	1504324.30	2074803.90	672.06	675.07	604.06	594.06	78.00	Overburden	Upgradient ⁽⁴⁾
GWC-16R	12/13/2011	1505877.86	2072607.38	727.77	730.59	643.07	633.07	95.00	Bedrock	Downgradient ⁽⁴⁾
GWC-17R	12/8/2011	1506069.29	2072829.29	730.02	733.37	650.82	640.82	89.50	Bedrock	Downgradient ⁽⁴⁾
GWC-18	6/6/2011	1506306.70	2072929.28	718.92	721.88	651.22	640.22	77.00	Overburden	Downgradient ⁽⁴⁾
GWC-18R	6/2/2011	1506301.39	2072929.47	718.97	721.76	591.77	581.77	137.50	Bedrock	Downgradient ⁽⁴⁾
GWC-19R	6/7/2011	1506395.96	2073158.36	723.13	726.31	589.43	579.43	144.00	Bedrock	Downgradient ⁽⁴⁾
GWC-20R	6/9/2011	1506602.14	2073486.53	717.63	720.59	643.63	633.63	84.30	Bedrock	Downgradient ⁽⁴⁾
GWC-21R	12/16/2011	1506602.14	2073784.42	720.45	723.07	641.25	631.25	89.50	Bedrock	Downgradient ⁽⁴⁾
GWC-22R	6/14/2011	1506602.14	2074105.65	712.54	715.41	605.84	595.84	117.00	Bedrock	Downgradient ⁽⁴⁾
GWC-23R	6/28/2011	1506602.14	2074446.53	688.02	690.94	651.32	641.32	47.00	Bedrock	Downgradient ⁽⁴⁾
GWC-24R	6/21/2011	1506602.14	2074806.11	673.76	676.57	647.06	637.06	37.00	Bedrock	Downgradient ⁽⁴⁾

TABLE 1
Summary of Monitoring Well Construction

Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
Bartow County, Georgia

Well Name	Installation Date	Northing (ft NAD83) ⁽¹⁾	Easting (ft NAD83) ⁽¹⁾	Ground Surface Elevation (ft, NAVD88) ⁽²⁾	Top of Casing Elevation (ft, NAVD88) ⁽²⁾	Top of Screen Elevation (ft, NAVD88) ⁽³⁾	Bottom of Screen Elevation (ft, NAVD88) ⁽³⁾	Well Depth (ft below ground surface)	Lithology Screened	Hydraulic Location and Purpose
Cells 3 & 4, 5 & 6, and 7 & 8										
GWC-25R	6/21/2011	1506602.14	2075088.90	673.59	676.42	586.89	576.89	97.00	Bedrock	Downgradient ⁽⁴⁾
GWC-26	4/20/2023	1506231.66	2075314.34	673.15	676.28	644.45	634.45	39.10	Overburden	Downgradient ⁽⁴⁾
GWC-27	4/23/2023	1506039.67	2075488.36	673.21	675.85	641.01	631.01	42.50	Overburden	Downgradient ⁽⁴⁾
GWC-27R	5/5/2023	1506022.31	2075508.50	673.29	676.17	594.99	584.99	88.70	Bedrock	Downgradient ⁽⁴⁾
GWC-28	4/22/2023	1505801.71	2075741.93	672.82	675.30	638.52	628.52	44.70	Overburden	Downgradient ⁽⁴⁾
GWC-29	5/1/2023	1505509.84	2075871.18	676.13	679.29	628.33	618.33	58.20	Overburden	Downgradient ⁽⁴⁾
GWC-29R	5/15/2023	1505485.90	2075868.31	676.22	679.12	580.22	570.22	106.00	Bedrock	Downgradient ⁽⁴⁾
GWC-30	4/25/2023	1505206.17	2075851.47	681.86	685.00	643.86	633.86	48.00	Overburden	Downgradient ⁽⁴⁾
GWC-31	5/8/2023	1504927.59	2075816.91	680.20	683.13	623.40	613.40	67.20	Overburden	Downgradient ⁽⁴⁾
GWC-31R	5/4/2023	1504953.36	2075819.55	680.18	683.09	584.18	574.18	106.50	Bedrock	Downgradient ⁽⁴⁾
GWC-32	5/9/2023	1504607.45	2075753.72	688.93	692.18	640.33	630.33	59.00	Overburden	Downgradient ⁽⁴⁾

Notes:

- (1) NAD83 indicates elevation in feet (ft) referenced to the North American Datum of 1983. Coordinates are from March 2021 re-survey of the Landfill wells by Donaldson & Garret Associates, Inc.
- (2) NAVD88 indicates elevation in ft referenced to the North American Vertical Datum 1988. Elevations are from March 2021 re-survey of the Landfill wells by Donaldson & Garret Associates, Inc.
- (3) Screen elevations calculated using depth below ground surface and ground surface elevations from the March 2021 re-survey.
- (4) Detection well measured for water levels and sampled for groundwater quality.
- (5) Piezometer measured for water level only.
- (6) Total well depth provided on well construction logs.
- (7) GWC-18 screened interval lengths updated January 2023

TABLE 2 **Georgia Power Company - Plant Bowen**
Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
Bartow County, Georgia
Groundwater Sampling Event Summary

Well ID	Hydraulic Location	Summary of Sampling Events			Status of Monitoring Well
		February 8 - February 22, 2023	March 16, 2023, April 11, 2023	June 20 - June 28, 2023	
Purpose of Sampling Event		Detection	Verification	Background	
LANDFILL CELLS 1 & 2 and 9 & 10 MONITORING WELL SYSTEM					
GWA-1	Upgradient	X			Detection Monitoring
GWA-2	Upgradient	X			Detection Monitoring
GWA-2R	Upgradient	X			Detection Monitoring
GWA-3A	Upgradient	X			Detection Monitoring
GWA-4RZ	Upgradient	X			Detection Monitoring
GWA-39Z	Upgradient	X			Detection Monitoring
GWA-39RZ	Upgradient	X			Detection Monitoring
GWA-40	Upgradient	X			Detection Monitoring
GWA-41	Upgradient	X			Detection Monitoring
GWA-41R	Upgradient	X			Detection Monitoring
GWA-42	Upgradient	X			Detection Monitoring
GWA-43	Upgradient	X			Detection Monitoring
GWA-43R	Upgradient	X			Detection Monitoring
GWA-50	Upgradient	X			Detection Monitoring
GWA-50R	Upgradient	X			Detection Monitoring
GWC-5	Downgradient	X			Detection Monitoring
GWC-6	Downgradient	X			Detection Monitoring
GWC-6RZ	Downgradient	X			Detection Monitoring
GWC-7Z	Downgradient	X			Detection Monitoring
GWC-8Z	Downgradient	X			Detection Monitoring
GWC-8RR	Downgradient	X			Detection Monitoring
GWC-9	Downgradient	X			Detection Monitoring
GWC-10	Downgradient	X			Detection Monitoring
GWC-10R	Downgradient	X			Detection Monitoring
GWC-11	Downgradient	X			Detection Monitoring
GWC-11R	Downgradient	X			Detection Monitoring
GWC-12	Downgradient	X			Detection Monitoring
GWC-13	Downgradient	X	X		Detection Monitoring
GWC-13RZ	Downgradient	X			Detection Monitoring
GWC-14Z	Downgradient	X			Detection Monitoring
GWC-15Z	Downgradient	X			Detection Monitoring
GWC-15R	Downgradient	X			Detection Monitoring
GWC-44	Downgradient	X			Detection Monitoring
GWC-45	Downgradient	X			Detection Monitoring
GWC-45R	Downgradient	X			Detection Monitoring
GWC-46R	Downgradient	X			Detection Monitoring
GWC-47	Downgradient	X			Detection Monitoring
GWC-47R	Downgradient	X			Detection Monitoring
GWC-48	Downgradient	X	X		Detection Monitoring
GWC-49Z	Downgradient	X			Detection Monitoring
GWC-49R	Downgradient	X			Detection Monitoring
LANDFILL CELLS 3 & 4, 5 & 6, AND 7 & 8 MONITORING WELL SYSTEM					
GWA-33R ⁽¹⁾	Upgradient			X	Detection Monitoring
GWA-34 ⁽¹⁾	Upgradient			X	Detection Monitoring
GWA-34R ⁽¹⁾	Upgradient			X	Detection Monitoring
GWA-35 ⁽¹⁾	Upgradient			X	Detection Monitoring
GWA-36A	Upgradient	X			Detection Monitoring
GWA-36RA	Upgradient	X			Detection Monitoring

TABLE 2 Groundwater Sampling Event Summary		Georgia Power Company - Plant Bowen Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10 Bartow County, Georgia			
Well ID	Hydraulic Location	Summary of Sampling Events			Status of Monitoring Well
		February 8 - February 22, 2023	March 16, 2023, April 11, 2023	June 20 - June 28, 2023	
Purpose of Sampling Event		Detection	Verification	Background	
GWA-37	Upgradient	X			Detection Monitoring
GWA-38	Upgradient	X			Detection Monitoring
GWA-57 ⁽¹⁾	Upgradient			X	Detection Monitoring
GWC-16R	Downgradient	X			Detection Monitoring
GWC-17R	Downgradient	X			Detection Monitoring
GWC-18	Downgradient	X			Detection Monitoring
GWC-18R	Downgradient	X			Detection Monitoring
GWC-19R	Downgradient	X			Detection Monitoring
GWC-20R	Downgradient	X			Detection Monitoring
GWC-21R	Downgradient	X			Detection Monitoring
GWC-22R	Downgradient	X			Detection Monitoring
GWC-23R	Downgradient	X			Detection Monitoring
GWC-24R	Downgradient	X			Detection Monitoring
GWC-25R	Downgradient	X			Detection Monitoring
GWC-26 ⁽¹⁾	Downgradient			X	Detection Monitoring
GWC-27 ⁽¹⁾	Downgradient			X	Detection Monitoring
GWC-27R ⁽¹⁾	Downgradient			X	Detection Monitoring
GWC-28 ⁽¹⁾	Downgradient			X	Detection Monitoring
GWC-29 ⁽¹⁾	Downgradient			X	Detection Monitoring
GWC-29R ⁽¹⁾	Downgradient			X	Detection Monitoring
GWC-30 ⁽¹⁾	Downgradient			X	Detection Monitoring
GWC-31 ⁽¹⁾	Downgradient			X	Detection Monitoring
GWC-31R ⁽¹⁾	Downgradient			X	Detection Monitoring
GWC-32 ⁽¹⁾	Downgradient			X	Detection Monitoring

Notes:
X - indicates well sampled during event
(1) New wells installed April-May 2023

**TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS**

**Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
Bartow County, Georgia**

Well ID	Top of Casing Elevation (feet NAVD88)	Depth to Water (feet, below TOC) 2/6/2023	Groundwater Elevation (feet NAVD88) 2/6/2023
Landfill Cells 1 & 2 and 9 & 10			
GWA-1	741.76	81.32	660.44
GWA-2	733.89	77.43	656.46
GWA-2R	734.83	77.65	657.18
GWA-3A	731.68	74.31	657.37
GWA-4R	743.23	84.70	658.53
GWA-4RZ	742.84	83.83	659.01
GWA-39Z	735.15	61.71	673.44
GWA-39RZ	732.62	59.02	673.60
GWA-40	731.77	65.05	666.72
GWA-41	742.35	73.10	669.25
GWA-41R	743.08	73.81	669.27
GWA-42	738.05	72.23	665.82
GWA-43	710.94	47.30	663.64
GWA-43R	711.19	47.70	663.49
GWC-44	712.89	46.33	666.56
GWC-45	701.53	37.34	664.19
GWC-45R	702.02	47.60	654.42
GWC-46R	690.49	35.12	655.37
GWC-47	690.86	36.37	654.49
GWC-47R	691.13	36.45	654.68
GWC-48	688.33	33.33	655.00
GWC-49Z	709.11	51.31	657.80
GWC-49R	709.56	52.03	657.53
GWA-50	731.21	59.06	672.15
GWA-50R	730.37	70.42	659.95
GWC-5	737.56	74.51	663.05
GWC-6	728.64	67.62	661.02
GWC-6RZ	731.91	71.80	660.11
GWC-7Z	713.04	51.85	661.19
GWC-8Z	702.09	41.91	660.18
GWC-8RR	701.92	41.89	660.03
GWC-9	694.67	37.45	657.22
GWC-10	687.87	29.92	657.95
GWC-10R	687.95	29.94	658.01
GWC-11	677.83	20.56	657.27
GWC-11R	677.73	20.51	657.22
GWC-12	677.25	19.91	657.34
GWC-13	686.76	29.20	657.56
GWC-13R	685.97	28.68	657.29
GWC-13RZ	684.60	65.78	618.82
GWC-14	686.81	29.15	657.66
GWC-14Z	687.28	28.68	658.60
GWC-15	695.19	36.50	658.69
GWC-15R	696.13	37.64	658.49
GWC-15Z	695.92	37.34	658.58

**TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS**

**Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
Bartow County, Georgia**

Well ID	Top of Casing Elevation (feet NAVD88)	Depth to Water (feet, below TOC) 2/6/2023	Groundwater Elevation (feet NAVD88) 2/6/2023
Landfill Cells 3 & 4, 5 & 6, and 7 & 8			
GWA-33 ⁽¹⁾	675.48	NA	NA
GWA-33R ⁽¹⁾	675.20	NA	NA
GWA-34 ⁽¹⁾	673.25	NA	NA
GWA-34R ⁽¹⁾	672.95	NA	NA
GWA-35 ⁽¹⁾	696.66	NA	NA
GWA-36A	683.75	28.14	655.61
GWA-36RA	684.50	29.90	654.60
GWA-37	703.72	48.18	655.54
GWA-38	716.24	51.31	664.93
GWA-57 ⁽¹⁾	675.07	NA	NA
GWC-16R	730.59	78.77	651.82
GWC-17R	733.37	82.24	651.13
GWC-18	721.88	72.40	649.48
GWC-18R	721.76	71.84	649.92
GWC-19R	726.31	75.84	650.47
GWC-20R	720.59	69.67	650.92
GWC-21R	723.07	70.19	652.88
GWC-22R	715.41	62.26	653.15
GWC-23R	690.94	37.53	653.41
GWC-24R	676.57	23.18	653.39
GWC-25R	676.42	22.28	654.14
GWC-26 ⁽¹⁾	676.28	NA	NA
GWC-27 ⁽¹⁾	675.85	NA	NA
GWC-27R ⁽¹⁾	676.17	NA	NA
GWC-28 ⁽¹⁾	675.30	NA	NA
GWC-29 ⁽¹⁾	679.29	NA	NA
GWC-29R ⁽¹⁾	679.12	NA	NA
GWC-30 ⁽¹⁾	685.00	NA	NA
GWC-31 ⁽¹⁾	683.13	NA	NA
GWC-31R ⁽¹⁾	683.09	NA	NA
GWC-32 ⁽¹⁾	692.18	NA	NA

Notes:

TOC - top of casing

NAVD88 indicates the North American Vertical Datum 1988. Elevations from March 2021 re-survey of the Landfill wells by Donaldson & Garret Associates, Inc.

(1) Groundwater wells in Cells 5 & 6 and 7 & 8 are newly installed and were not in place at the time of sampling. No water levels were collected for this event.

TABLE 4
GROUNDWATER FLOW VELOCITY CALCULATIONS - FEBRUARY 2023

Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
Bartow County, Georgia

Flow Paths		Groundwater Measurement Date	Groundwater Elevations in Well Pairs (h ₁ , h ₂) (feet)		Change in Elevation (Δh) (feet)	Distance Measured (L) (feet)	Hydraulic Gradient (i) (feet/foot)	Average Hydraulic Conductivity (K) (feet/day)	Estimated Effective Porosity (n _e)	Calculated Groundwater Flow Velocity (V) (feet/day)	Calculated Groundwater Flow Velocity (V) (feet/year)
Landfill Cells 1 & 2 and 9 & 10	Overburden GWC-5 to GWC-9	2/6/2023	663.05	657.22	5.83	1302	6.000	0.072	0.01	43.20	15768.0
	Overburden GWA-50 to GWC-6	2/6/2023	672.15	661.02	11.13	650	0.017	0.072	0.01	0.12	45.0
	Bedrock GWC-8RR to GWC-10R	2/6/2023	660.03	658.01	2.02	600	0.003	0.36	0.01	0.12	44.2
	Bedrock GWA-6RZ to GWC-15R	2/6/2023	660.11	658.49	1.62	1439	0.001	0.36	0.01	0.04	14.8
	Overburden GWA-40 to GWC-47	2/6/2023	666.72	654.49	12.23	1786	0.007	0.072	0.01	0.05	18.0
	Overburden GWC-45 to GWC-47	2/6/2023	664.19	654.49	9.70	525	0.018	0.072	0.01	0.13	48.6
	Bedrock GWA-41R to GWC-45R	2/6/2023	669.27	654.42	14.85	1348	0.011	0.36	0.01	0.40	144.8
	Bedrock GWC-49R to GWC-47R	2/6/2023	657.53	654.68	2.85	547	0.005	0.36	0.01	0.19	68.5

TABLE 4
GROUNDWATER FLOW VELOCITY CALCULATIONS - FEBRUARY 2023

Georgia Power Company - Plant Bowen
 Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
 Bartow County, Georgia

Flow Paths		Groundwater Measurement Date	Groundwater Elevations in Well Pairs (h ₁ , h ₂) (feet)		Change in Elevation (Δh) (feet)	Distance Measured (L) (feet)	Hydraulic Gradient (i) (feet/foot)	Average Hydraulic Conductivity (K) (feet/day)	Estimated Effective Porosity (n _e)	Calculated Groundwater Flow Velocity (V) (feet/day)	Calculated Groundwater Flow Velocity (V) (feet/year)
Landfill Cells 3 & 4	Overburden GWA-53 to GWC-18	2/6/2023	653.71	649.48	4.23	1250	0.003	0.072	0.01	0.02	8.9
	Overburden GWA-37 to GWC-18	2/6/2023	655.54	649.48	6.06	977	0.006	0.072	0.01	0.04	16.3
	Bedrock GWA-53R to GWC-18R	2/6/2023	653.66	649.92	3.74	1265	0.003	0.36	0.01	0.11	38.8
	Bedrock GWC-25R to GWC-21R	2/6/2023	654.14	652.88	1.26	1325	0.001	0.36	0.01	0.03	12.5

Notes:

The average hydraulic conductivity values, measured in centimeters/second (cm/sec) used in the soil aquifer calculations (2.54×10^{-5} cm/sec = 0.072 ft/day) and the bedrock aquifer calculations (1.26×10^{-4} cm/sec = 0.36 ft/day) are presented in the 2002 Plant Bowen Proposed Coal Combustion By-Product Storage Facility Site Acceptability Report. An estimated effective porosity of 0.01 (based on default soil type value for silty clays to clays in USEPA 530/SW-89-031) of the screened horizon.

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Georgia Power Company - Plant Bowen
Landfill Cells 1 & 2, 3 & 4, 5 & 6, and 7 & 8, and 9 & 10
Bartow County, Georgia

Constituent	Well ID												
	GWA-1	GWA-2	GWA-2R	GWA-3A	GWA-4RZ	GWA-39Z	GWA-39RZ	GWA-40	GWA-41	GWA-41R	GWA-42	GWA-43	
	2/16/2023	2/16/2023	2/16/2023	2/17/2023	2/17/2023	2/13/2023	2/14/2023	2/13/2023	2/13/2023	2/13/2023	2/13/2023	2/14/2023	
Appendix III	Boron	< 0.0086	< 0.0086	0.017 J	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	0.017 J	< 0.0086	< 0.0086
	Calcium	33.3	60.5	51.6	22.4	59.4	12.8	31.4	18.4	26.9	38.6	35.7	2.2
	Chloride	1.2	1.6	1.9	6.3	3.0	1.3	1.6	1.1	1.6	1.5	2.4	1.3
	Fluoride	0.070 J	0.061 J	0.079 J	0.055 J	0.11	0.064 J	0.074 J	0.054 J	0.050 J	< 0.050	0.056 J	0.052 J
	pH	7.39	6.56	7.02	7.71	6.98	6.35	7.48	6.94	6.25	6.45	6.83	5.24
	Sulfate	1.1	115	38.9	2.5	21.2	1.7	6.3	1.4	6.0	10.2	1.6	< 0.50
	TDS	152 J	267 J	197 J	117 J	252 J	105 J	149 J	259 J	111 J	163 J	226	60.9
Appendix I	Antimony	0.016	< 0.00078	0.0048	< 0.00078	< 0.00078	0.00087 J	0.0019 J	< 0.00078	< 0.00078	0.0045	< 0.00078	< 0.00078
	Arsenic	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
	Barium	0.018	0.029	0.028	0.0065	0.043	0.018	0.014	0.0075	0.029	0.028	0.0061	0.011
	Beryllium	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	0.00015 J	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0016 J
	Cobalt	< 0.00039	< 0.00039	0.00065 J	< 0.00039	0.017	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	0.00039 J	< 0.00039
	Copper	< 0.0010	< 0.0010	0.0011 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0012 J	< 0.0010	< 0.0010
	Lead	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
	Mercury	0.00017 J	0.00013 J	< 0.00013	0.00013 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00017 J	0.00013 J	0.00014 J	< 0.00013
	Nickel	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.00095 J	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.0013 J	< 0.00071
	Selenium	< 0.0014	0.0014 J	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
	Vanadium	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019
Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	0.011 J	< 0.0085	

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J indicates the constituent was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent		Well ID											
		GWA-43R	GWA-50	GWA-50R	GWC-5	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9	GWC-10	GWC-10R
		2/13/2023	2/16/2023	2/16/2023	2/20/2023	2/17/2023	2/17/2023	2/20/2023	2/21/2023	2/20/2023	2/21/2023	2/20/2023	2/20/2023
Appendix III	Boron	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086
	Calcium	28.5	1.4	0.81 J	3.5	15.2	9.7	26.1	18.0	18.5	2.3	9.0	46.2
	Chloride	1.8	0.91 J	0.71 J	0.88 J	1.4	1.5	0.94 J	0.97 J	1.6	2.1	1.9	2.4
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.052 J	0.057 J	0.057 J	0.061 J	< 0.050	< 0.050	< 0.050
	pH	7.82	4.95	4.73	5.78	7.11	6.41	7.40	7.88	6.87	4.59	5.39	7.08
	Sulfate	2.5	< 0.50	0.58 J	1.4	2.0	1.8	1.7	1.7	1.1	3.0	1.5	1.5
	TDS	126	< 25.0	< 25.0	53.0	75.0 J	50.0 J	122	77.0	86.0	< 25.0	47.0	154
Appendix I	Antimony	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	0.0012 J	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
	Arsenic	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	0.0028 J	< 0.0022	< 0.0022
	Barium	0.0064	0.0067	0.0081	0.012	0.0067	0.0067	0.015	0.011	0.024	0.042	0.020	0.024
	Beryllium	< 0.000054	< 0.000054	< 0.000054	0.00060	< 0.000054	0.000054 J	< 0.000054	< 0.000054	< 0.000054	0.00017 J	0.00030 J	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0031 J	0.0022 J	0.0012 J	0.0053	< 0.0011	< 0.0011	< 0.0011	< 0.0011
	Cobalt	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	0.00043 J	0.0026 J	< 0.00039
	Copper	< 0.0010	0.0015 J	0.0028 J	0.023	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	Lead	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00028 J	0.00030 J
	Nickel	< 0.00071	0.00082 J	0.00081 J	0.0087	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.0010 J	0.0019 J	< 0.00071
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	0.0011 J	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
	Vanadium	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	0.0030 J	< 0.0019	< 0.0019
Zinc	< 0.0085	< 0.0085	< 0.0085	0.032	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J indicates the constituent was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent		Well ID												
		GWC-11	GWC-11R	GWC-12	GWC-13		GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R	GWC-46R
		2/20/2023	2/20/2023	2/21/2023	2/22/2023	4/11/2023	2/22/2023	2/22/2023	2/22/2023	2/22/2023	2/14/2023	2/14/2023	2/14/2023	2/14/2023
Appendix III	Boron	< 0.0086	< 0.0086	< 0.0086	< 0.0086	NA	0.013 J	< 0.0086	< 0.0086	< 0.0086	0.014 J	< 0.0086	0.012 J	< 0.0086
	Calcium	7.4	32.5	7.9	26.3	NA	40.1	14.3	38.1	24.4	12.5	1.0	47.5	41.1
	Chloride	1.2	1.6	0.99 J	3.2	NA	5.8	4.0	1.5	0.83 J	5.7	0.81 J	5.3	3.7
	Fluoride	< 0.050	< 0.050	0.054 J	0.060 J	NA	0.15	< 0.050	0.050 J	< 0.050	0.075 J	< 0.050	< 0.050	0.091 J
	pH	5.52	7.20	6.18	6.96	6.69	7.15	5.97	7.32	7.49	3.95	4.26	6.71	7.49
	Sulfate	1.7	1.8	< 0.50	8.7	NA	59.7	10.7	7.5	0.81 J	33.8	< 0.50	10.1	4.7
	TDS	98.0	149	42.0	1020	120	254	65.0	174	111	70.9	33.9	206	199
Appendix I	Antimony	< 0.00078	< 0.00078	0.0017 J	< 0.00078	NA	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
	Arsenic	< 0.0022	< 0.0022	0.0094 J	< 0.0022	NA	0.0031 J	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
	Barium	0.0071	0.020	0.023	0.022	NA	0.099	0.014	0.016	0.010	0.042	0.0067	0.025	0.011
	Beryllium	< 0.000054	< 0.000054	< 0.000054	< 0.000054	NA	< 0.000054	0.000094 J	< 0.000054	< 0.000054	0.000062 J	< 0.000054	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011	0.00040 J	< 0.00011	NA	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	0.0015 J	0.0037 J	< 0.0011	0.0038 J	NA	0.0024 J	< 0.0011	< 0.0011	0.0014 J	0.0015 J	< 0.0011	0.0058	0.0050 J
	Cobalt	< 0.00039	< 0.00039	0.0029 J	< 0.00039	NA	< 0.00039	< 0.00039	< 0.00039	< 0.00039	0.0014 J	0.0012 J	< 0.00039	< 0.00039
	Copper	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA	0.0014 J	< 0.0010	< 0.0010	< 0.0010	0.0054	< 0.0010	< 0.0010	< 0.0010
	Lead	< 0.00089	< 0.00089	< 0.00089	< 0.00089	NA	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
	Mercury	0.00019 J	0.00016 J	< 0.00013	< 0.00013	NA	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	0.0022 J	< 0.00071	NA	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.00073 J	0.00092 J	0.0040 J	< 0.00071
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	NA	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	NA	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	NA	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0019	0.0034 J	0.0019 J	NA	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	
Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	NA	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J indicates the constituent was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. NA indicates constituent was not analyzed.

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent	Well ID						
	GWC-47	GWC-47R	GWC-48		GWC-49R	GWC-49Z	
	2/14/2023	2/14/2023	2/14/2023	3/16/2023	2/14/2023	2/14/2023	
Appendix III	Boron	< 0.0086	< 0.0086	< 0.0086	NA	< 0.0086	< 0.0086
	Calcium	20.5	31.6	3.0	NA	24.3	0.65 J
	Chloride	2.0	2.8	6.0	5.4	1.0	1.0
	Fluoride	0.064 J	0.081 J	0.058 J	NA	< 0.050	< 0.050
	pH	7.20	7.38	4.75	4.55	7.75	5.15
	Sulfate	4.3	12.7	3.0	NA	1.8	0.84 J
	TDS	111 J	151	30.9	NA	114	< 25.0
Appendix I	Antimony	< 0.00078	0.0022 J	< 0.00078	NA	0.0037	< 0.00078
	Arsenic	< 0.0022	< 0.0022	< 0.0022	NA	< 0.0022	< 0.0022
	Barium	0.0075	0.0072	0.040	NA	0.013	0.0041 J
	Beryllium	< 0.000054	< 0.000054	0.00038 J	NA	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011	0.00015 J	NA	< 0.00011	< 0.00011
	Chromium	0.0018 J	0.0027 J	0.0019 J	NA	< 0.0011	< 0.0011
	Cobalt	< 0.00039	< 0.00039	0.0025 J	NA	< 0.00039	0.00096 J
	Copper	0.0016 J	< 0.0010	< 0.0010	NA	< 0.0010	< 0.0010
	Lead	< 0.00089	< 0.00089	< 0.00089	NA	< 0.00089	< 0.00089
	Mercury	< 0.00013	0.00013 J	0.00064	0.00045	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	0.0058	NA	< 0.00071	0.0018 J
	Selenium	< 0.0014	< 0.0014	< 0.0014	NA	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	NA	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	NA	< 0.00018	< 0.00018
	Vanadium	< 0.0019	< 0.0019	< 0.0019	NA	< 0.0019	< 0.0019
Zinc	0.050	0.031	0.011 J	NA	< 0.0085	< 0.0085	

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J indicates the constituent was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. NA indicates constituent was not analyzed.

Table 6
Groundwater Analytical Data Summary
Landfill Cells 3 & 4

Constituent		Well ID											
		GWA-36A	GWA-36RA	GWA-37	GWA-38	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R	GWC-21R	GWC-22R
		2/8/2023	2/8/2023	2/8/2023	2/8/2023	2/10/2023	2/10/2023	2/9/2023	2/9/2023	2/9/2023	2/10/2023	2/9/2023	2/9/2023
Appendix III	Boron	0.028 J	0.023 J	< 0.0086	< 0.0086	0.020 J	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	0.012 J	< 0.0086
	Calcium	51.6	54.1	0.70 J	1.3	84.6	69.6	26.2	31.2	33.7	38.4	68.2	37.0
	Chloride	3.5	3.1	1.1	3.5	1.8	4.7	2.5	2.6	2.7	2.0	4.5	2.7
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	0.22	0.057 J	0.072 J	< 0.050	< 0.050	0.054 J	0.064 J	0.052 J
	pH	6.77	6.88	5.30	5.13	7.02	7.12	6.68	7.46	7.38	7.34	7.13	7.05
	Sulfate	24.6	21.7	0.75 J	0.90 J	12.1	7.6	2.3	2.4	4.0	1.8	16.8	2.0
	TDS	245	238	< 25.0	31.0	369	302	175	171	171	226 J	317	328
Appendix I	Antimony	< 0.00078	< 0.00078	0.0013 J	< 0.00078	0.020	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	0.0064	< 0.00078
	Arsenic	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	0.0025 J	0.0030 J
	Barium	0.041	0.038	0.0039 J	0.013	0.053	0.018	0.016	0.015	0.015	0.031	0.031	0.040
	Beryllium	0.000077 J	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	0.00015 J	< 0.000054	< 0.000054	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	< 0.0011	< 0.0011	< 0.0011	0.0012 J	0.0011 J	< 0.0011	0.0015 J	< 0.0011	< 0.0011	< 0.0011	0.0017 J	< 0.0011
	Cobalt	< 0.00039	< 0.00039	< 0.00039	0.0010 J	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	0.00043 J
	Copper	< 0.0010	< 0.0010	0.011	< 0.0010	0.0012 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0011 J	< 0.0010
	Lead	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	0.012	0.00091 J	0.0050	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.0011 J	< 0.00071
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	0.00029 J	< 0.00018
	Vanadium	< 0.0019	< 0.0019	< 0.0019	< 0.0019	0.0030 J	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019
Zinc	0.017 J	0.0086 J	< 0.0085	< 0.0085	0.017 J	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	0.012 J	< 0.0085	

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical reporting detection limit (RDL) shown.
3. J indicates the constituent was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.

Table 6
Groundwater Analytical Data Summary
Landfill Cells 3 & 4

Constituent		Well ID			
		GWC-23R	GWC-24R	GWC-25R	SPRING
		2/10/2023	2/9/2023	2/9/2023	2/10/2023
Appendix III	Boron	< 0.0086	< 0.0086	< 0.0086	< 0.0086
	Calcium	68.7	32.8	35.6	28.5
	Chloride	2.0	2.5	2.6	2.3
	Fluoride	0.078 J	0.053 J	< 0.050	0.062 J
	pH	7.01	7.44	7.51	7.42
	Sulfate	86.7	2.9	2.3	2.2
	TDS	533	147	169	123
Appendix I	Antimony	< 0.00078	< 0.00078	< 0.00078	< 0.00078
	Arsenic	0.0032 J	< 0.0022	< 0.0022	< 0.0022
	Barium	0.038	0.018	0.016	0.024
	Beryllium	< 0.000054	< 0.000054	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	< 0.0011	< 0.0011	< 0.0011	< 0.0011
	Cobalt	< 0.00039	< 0.00039	< 0.00039	< 0.00039
	Copper	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	Lead	< 0.00089	< 0.00089	< 0.00089	< 0.00089
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	< 0.00071	< 0.00071
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0019	< 0.0019	< 0.0019	
Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	

Notes:

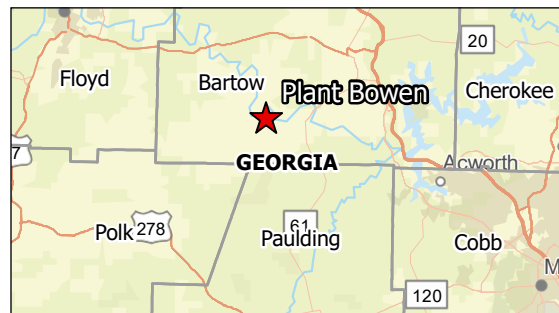
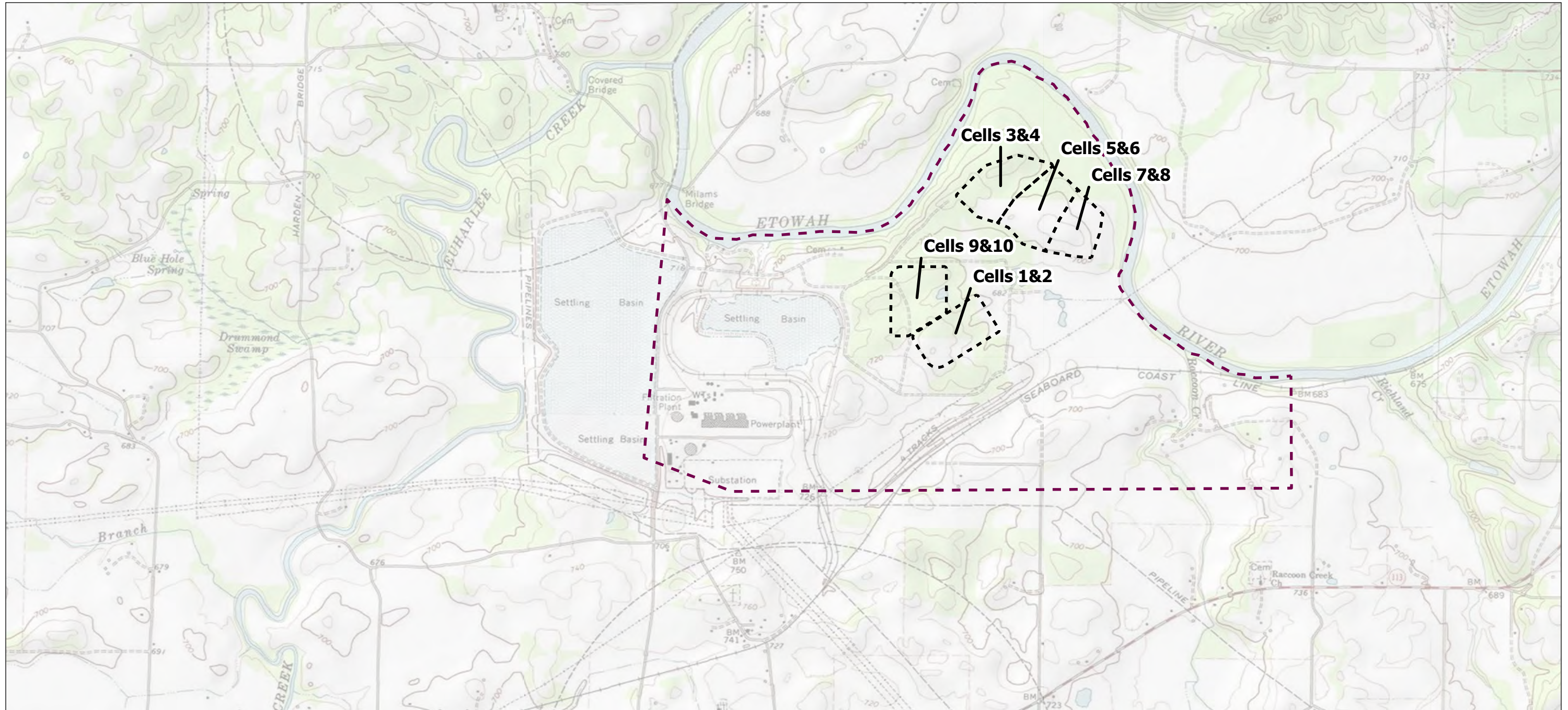
1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical reporting detection limit (RDL) shown.
3. J indicates the constituent was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.

**TABLE 7
STATISTICAL METHOD SUMMARY**

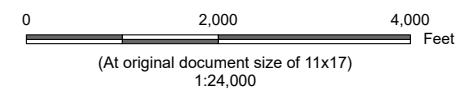
Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available
	Statistical Limits	Interwell statistical limits are applied on a parameter basis, depending on the appropriateness of the method as determined by the Analysis of Variance. Intrawell statistical limits are applied on a parameter basis, depending on the appropriateness of the method.
	Prediction Limits	When data contain between 15-50% non-detects the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit. Non-parametric means data sets contain greater than 50% non-detects or data are not normally or transformed-normally distributed.
	Management of Non-Detects	When data contain less than 15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantitation limit (PQL) as reported by the laboratory. When data contain between 15-50% non-detects the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
	Confidence Intervals	Used in Assessment and Corrective Action monitoring.
	No Statistical Testing	Statistical testing is not required for parameters containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
	Verification Resample Plan	Optional 1-of-2 with minimum of 8 samples per well for interwell testing. Optional 1-of-3 or 1-of-2 with minimum of 8 samples per well for intrawell testing.
	Optional	<ul style="list-style-type: none"> ▪ Interwell statistical methods may be used as a second step to determine if an apparent statistically significant increase (SSI) identified by intrawell statistical methods is below sitewide background. ▪ Initial statistical exceedance warrants independent resampling within 90 days. ▪ If resample passes, well/parameter is not a confirmed SSI. ▪ If resample exceeds, well/parameter has a confirmed SSI. ▪ If no resample is collected, the original result is deemed verified.

FIGURES





- Legend**
- Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)



Project Location
Euahlee, Georgia

Prepared by CA on 6/28/2023
TR by MP on 6/28/2023
IR by MD on 6/28/2023

Client/Project
Georgia Power
2023 Semi-Annual Groundwater Monitoring and Corrective Action
Report - Plant Bowen Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8 and 9 & 10

172678190

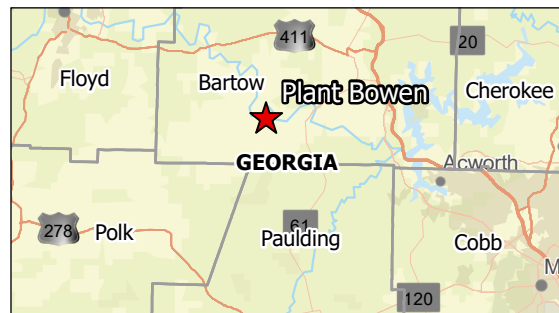
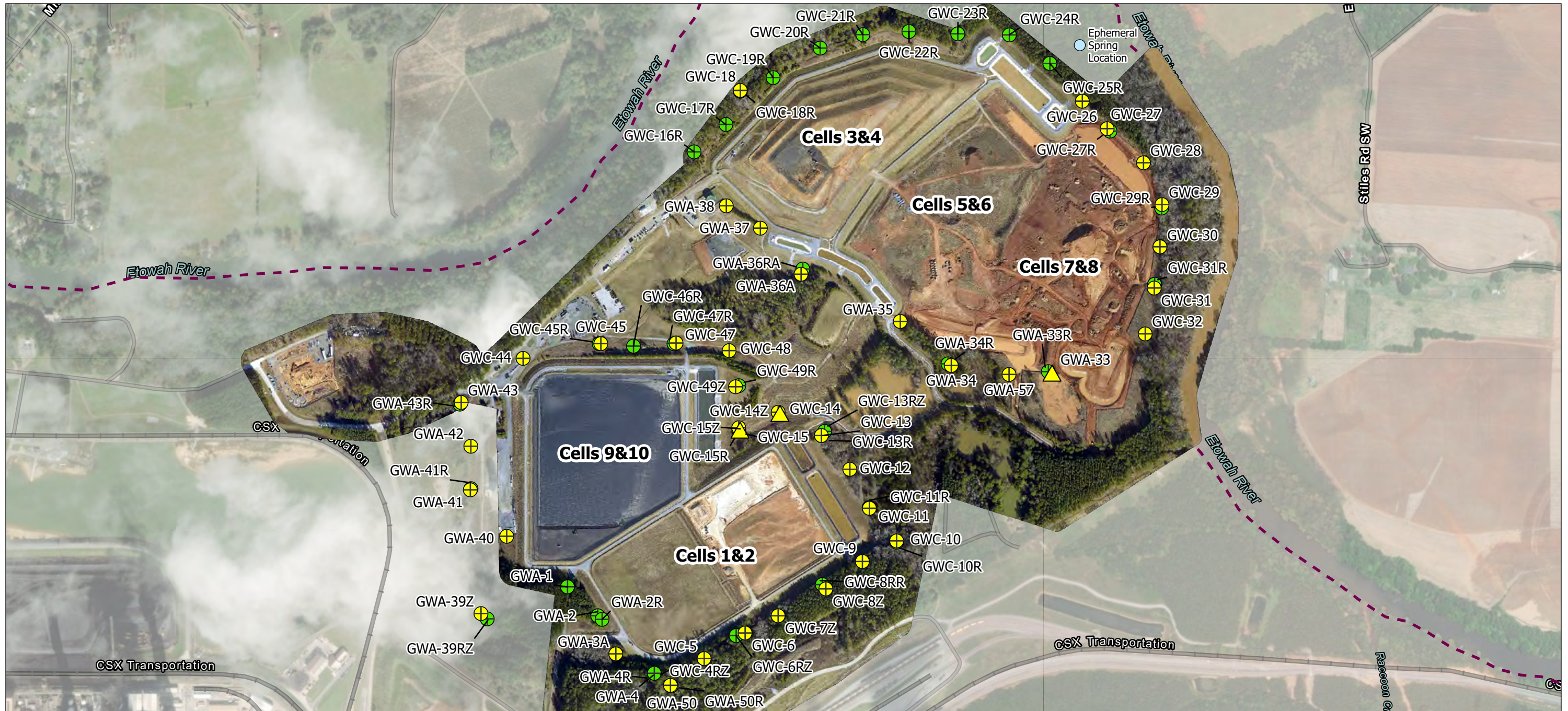
Figure No.

1

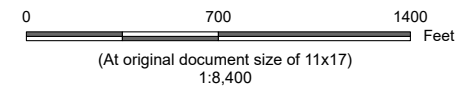
Title

Site Location Map

Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Site and Landfill Boundaries provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Background: Copyright © 2013 National Geographic Society, i-cubed, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS



- Legend**
- Detection Monitoring Well (Overburden)
 - Water Level Piezometer (Overburden)
 - Detection Monitoring Well (Bedrock)
 - Water Level Piezometer (Bedrock)
 - Ephemeral Spring Location
 - Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)



Project Location
Euharlee, Georgia

Prepared by CA on 8/14/2023
TR by MP on 8/14/2023
IR by MD on 8/14/2023

Client/Project
Georgia Power
172678190

2022 Annual Groundwater Monitoring and Corrective
Action Report - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.

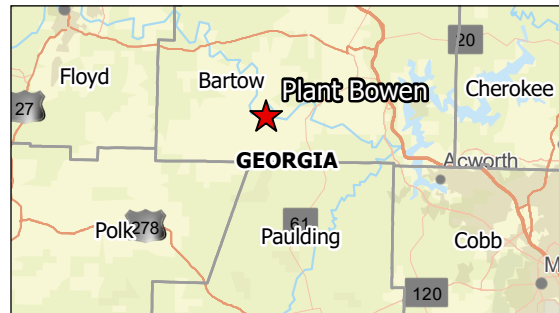
2

Title

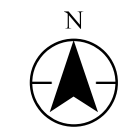
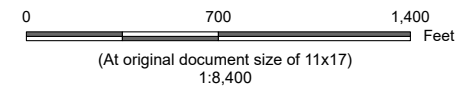
Detection Monitoring System

Notes

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Landfill Boundaries, Site Boundary, and Monitoring Well locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Plant imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS



- Legend**
- Detection Monitoring Well (Overburden)
 - Abandoned Detection Monitoring Well (Overburden)
 - ▲ Water Level Piezometer (Overburden)
 - Potentiometric Surface Contour Feb. 2023 (feet (ft) NAVD88)
 - Interpreted Groundwater Flow Direction
 - - - Approximate Site Boundary
 - - - Landfill Cell Boundary (Approximate)



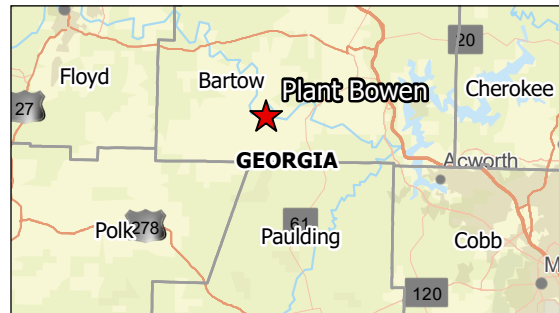
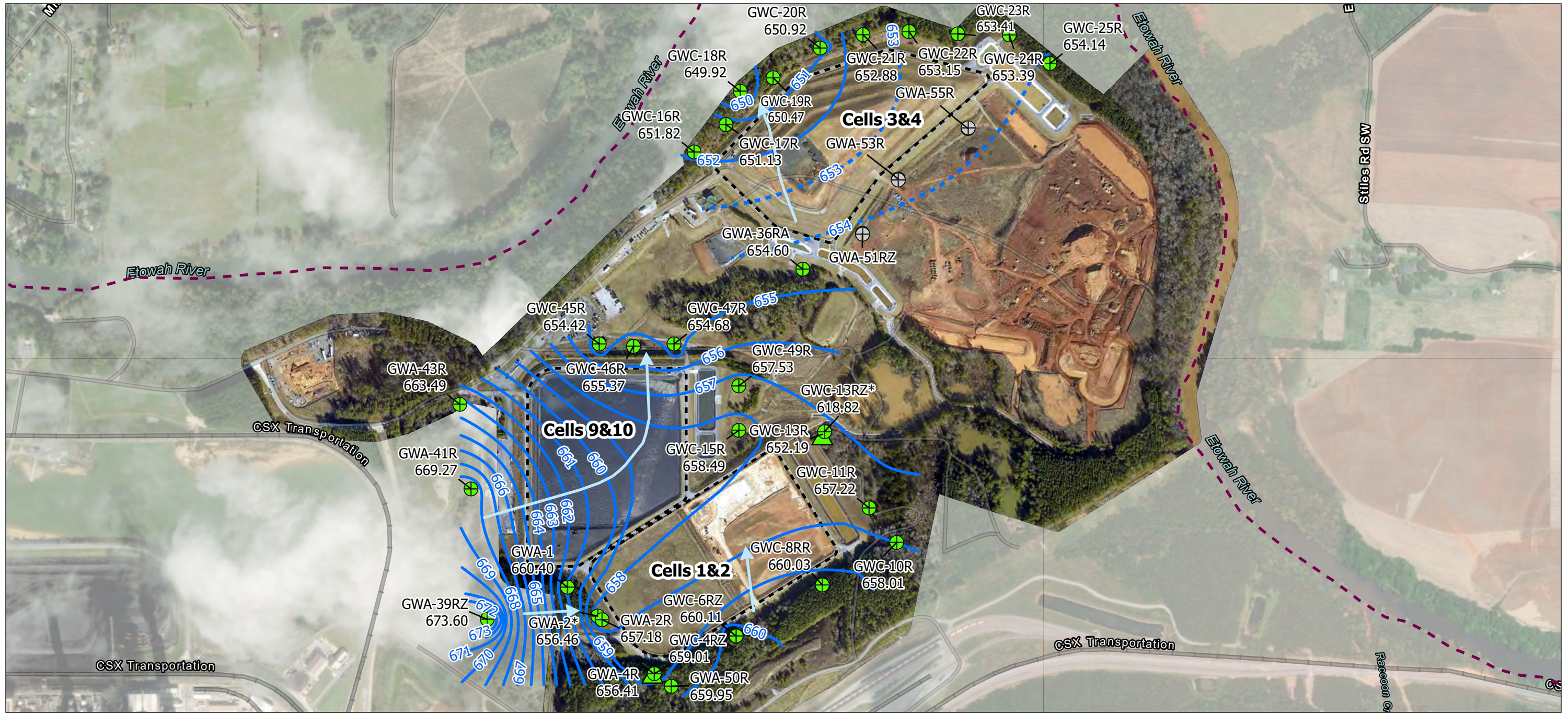
Project Location: Euharlee, Georgia
 Prepared by CA on 7/28/2023
 TR by MP on 7/28/2023
 IR by MD on 7/28/2023

Client/Project: Georgia Power
 2023 Semi-Annual Groundwater Monitoring and Corrective Action Report - Plant Bowen Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10
 Figure No. 172678190

3
Potentiometric Surface - Overburden Wells, February 2023

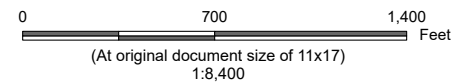
Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Landfill Boundaries, Site Boundary, Monitoring Well, Flow Arrow, and Contour locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Plant imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS

669.35 Groundwater Elevation (ft NAVD88)
 * Indicates groundwater elevation in wells GWA-3A and GWA-38 were not used in contouring.



Legend

- Detection Monitoring Well (Bedrock)
- ⊕ Abandoned Detection Monitoring Well (Bedrock)
- ▲ Water Level Piezometer (Bedrock)
- Potentiometric Surface Contour Feb 2023 (feet (ft) NAVD88)
- - - Inferred Potentiometric Surface Contour Feb 2023 (ft NAVD88)
- Interpreted Groundwater Flow Direction
- - - Approximate Site Boundary
- - - Landfill Cell Boundary (Approximate)



Project Location: Euharlee, Georgia
 Prepared by CA on 7/28/2023
 TR by MP on 7/28/2023
 IR by MD on 7/28/2023

Client/Project: Georgia Power
 172678190

2023 Semi-Annual Groundwater Monitoring and Corrective Action Report - Plant Bowen Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10

Figure No. **4**

Title: **Potentiometric Surface - Bedrock Wells, February 2023**

Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Landfill Boundaries, Site Boundary, Monitoring Well, Flow Arrow, and Contour locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Plant imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS

668.54 Groundwater Elevation (ft NAVD88)

* Indicates groundwater elevation in well GWC-13RZ and GWA-2 were not used in contouring.

APPENDIX A WELL INSPECTIONS



Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-1
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-2
 Date 2/8/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-2R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-3A
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-4R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-4R2
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-50
 Date 2/16/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-50R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-5
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-6
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-6RZ
 Date 2/16/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-72
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-82
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓		
c Is the well in a high traffic area and does the well require protection from traffic?		✓	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	✓		
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓		
c Does the well require redevelopment (low flow, turbid)?		✓	
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓		

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-88B
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-9
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-10
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-10R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-11
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-11B
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-12
 Date 2/16/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-13
 Date 2/16/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-13R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-13B2
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-14
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-14Z
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-15
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-15R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-15Z
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-16R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-17R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-18
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-18R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-19R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-20R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-21R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-22R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-23R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-24R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-25R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWA-36A
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWA-36RA
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWA-37
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWA-38
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-39R2
 Date 2/16/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-39Z
 Date 2/16/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-40
 Date 2/16/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-41
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-41B
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-42
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name
Permit Number
Well ID
Date

Bowen LF

GWA-43

2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-43R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-44
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-45
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-45R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-46R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-47
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-47R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC - 48
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-49R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-49Z
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

**APPENDIX B
WELL INSTALLATION AND
ABANDONMENT REPORT**





WELL INSTALLATION REPORT
Plant Bowen
Landfill Cells 5 & 6, and 7 & 8
Euharlee, Georgia

August 8, 2023

Prepared for:



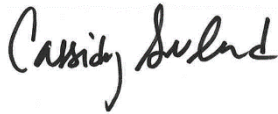
Prepared by:
Stantec Consulting Services Inc.
10745 Westside Way, Suite 250
Alpharetta, Georgia 30009-7640

**Well Installation Report
Plant Bowen Landfill Cells 5 & 6, and 7 & 8**

CERTIFICATION STATEMENT

I hereby certify that this *Well Installation Report – Plant Bowen Landfill Cells 5 & 6, and 7 & 8* has been prepared by, or under the direct supervision of, a Qualified Groundwater Scientist with Stantec Consulting Services, Inc. and is in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations 257 Subpart D], specifically §257.91(e)(1), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10.

According to 391-3-4-.01, a Qualified Groundwater Scientist is “a professional engineer or geologist registered to practice in Georgia who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields that enable that individual to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action.”



Cassidy Sutherland, PG
Senior Geologist



August 8, 2023
Date



Table of Contents

1.0	Introduction	1
2.0	Well Drilling and Construction Activities.....	1
3.0	Well Development Activities.....	2
4.0	Well Survey.....	3

LIST OF TABLES

Table 1 – Well Construction Details

LIST OF FIGURES

Figure 1 – Well Location Map

LIST OF APPENDICES

Appendix A – Cascade Drilling Bond

Appendix B – Subsurface Boring Log and Well Installation Logs

Appendix C – Borehole Geophysics Report

Appendix D – Well Development Form and Calibration Forms

Appendix E – Certified Well Survey



1.0 Introduction

Stantec Consulting Services Inc. (Stantec) is submitting this Well Installation Report to Southern Company Services, Inc. (SCS) and Georgia Power Company (Georgia Power), which documents the construction of sixteen (16) monitoring wells at Plant Bowen in Euharlee, Georgia (Site). Well construction activities were performed in general accordance with the standards described in the Resource Conservation and Recovery Act (RCRA) Technical Enforcement Guidance Document (1986) and the Georgia Water Wells Standards Act of 1985, as updated. Well installations were completed to meet the requirements promulgated in the United States Environmental Protection Agency (US EPA) coal combustion residuals (CCR) rule [40 Code of Federal Regulations (CFR) Part 257, Subpart D], specifically 40 CFR §257.91(e)(1) and Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10.

Georgia Power is preparing to expand its Plant Bowen CCR Disposal Facility landfill to the southeast of current Cells 3 & 4 with the construction of Cells 5 through 8. The sixteen (16) newly installed monitoring wells were installed to augment existing detection monitoring system and monitor the groundwater conditions around these new disposal cells at the Site. The well details are included in Table 1: Well Construction Details and the location is shown in Figure 1: Well Location Map. This report provides details for the drilling and installation of 16 wells.

2.0 Well Drilling and Construction Activities

Cascade Drilling, LP, under contract with SCS Civil Field Services, drilled and installed 16 wells between April 17-May 24, 2023. Cascade had a current and valid bond with the Water Wells Standards Advisory Council for the state of Georgia at the time of drilling (Appendix A). The driller's name is provided on the boring/construction diagrams presented in Appendix B.

An experienced Stantec geologist was present on site to oversee and record the drilling and well construction under the supervision of a professional geologist registered to practice in Georgia. Drilling methods employed for borehole advancement were roto-sonic drilling techniques. The drilling equipment consisted of a TSI 150cc Track-Mounted Compact Crawler Sonic drilling rig and a Prosonic sonic rig, equipped with 4-inch sonic rods with a 6-inch outer-casing sleeve. During the drilling, continuous core samples were logged and photographed in the field for lithologic properties. Appendix B contains the subsurface boring logs. Geophysics borehole logging was conducted by Collier Geophysics at four locations during drilling to aid in evaluating bedrock conditions and selection of screened interval. The geophysical logs consisted of a combination of acoustic televiewer, optical televiewer, caliper, fluid conductivity, fluid temperature, natural gamma, single point resistance, spontaneous potential and normal resistivity. The borehole geophysics report is included as Appendix C.

Wells were constructed at each boring using factory-cleaned and sealed Schedule 40 polyvinyl chloride (PVC) products with flush-threaded fittings. 16 wells were constructed with a 10-foot section of 2-inch outer diameter (OD) and 2-inch inner diameter (ID), flush-threaded, 0.010-inch factory-slotted PVC, U-Pack screens. The annulus of the U-Pack screen section was filled with Southern Products and Silica Gravel Pack #1 (16-50) filter sand. The screen was placed near the bottom of the borehole, with the



Well Installation Report
Plant Bowen Landfill Cells 5 & 6, and 7 & 8
3.0 Well Development Activities

remainder of the well, constructed from 10-foot sections of 2-inch ID, flush-threaded, PVC casing riser. A flush-threaded PVC end cap was placed on the bottom of the well to provide a 0.4-foot sump/sediment trap, and the top of the well to extend to approximately 2.5 feet above grade. Construction details for the wells are shown on the well installation log (Appendix B). The PVC products used were American Society for Testing and Materials (ASTM) and National Sanitation Foundation (NSF) rated.

Following placement of the screen and casing, the annular space in the borehole adjacent to the screen was filled with Southern Products and Silica Gravel Pack #1 (16-50) sand. The filter pack sand was gravity poured into the borehole and extended approximately 2 to 3 feet above the depth of the top of the screen, then tamped into place. Immediately following placement of the filter pack, the wells were pumped using a portable submersible pump until visibly clear water was discharged. A filter pack seal was placed, using PelPlug 3/8-inch coated bentonite pellets, on top of the filter pack; thickness of each seal was a minimum of 2 feet. HolePlug coarse bentonite chips were also placed on top of the filter pack seal until reaching the top of groundwater. The bentonite was hydrated using both natural formation water and potable water and allowed to cure for approximately 24 hours prior to grouting the wells.

Following hydration of the bentonite, the remaining annular space was grouted with an AquaGuard® bentonite grout mixture to approximately 2 feet below ground surface using a tremie method. Based on information provided by the product manufacturer, AquaGuard® is a bentonite grout consisting of bentonite and additives that allow for a mixture of 30% solids by weight to facilitate grouting via tremie pipe, with additives that slow the bentonite curing so that proper placement can be achieved. Each well surface completion consists of a locked, aluminum protective casing and a 4-foot by 4-foot by 4-inch concrete pad with a name plate showing the well name, along with four concrete filled bollards surrounding the pad. The annular space of the aluminum protective casing was filled with pea gravel to approximately 2 inches from top of PVC. A weep hole was drilled into the lower side of the protective casing.

3.0 Well Development Activities

Resolute Environmental and Water Resources Consulting (Resolute) conducted development activities on May 3, 2023, and completed, June 2, 2023. Well Development activities were performed) in accordance with the approved Groundwater Monitoring Plan for Plant Bowen Landfill (October 2022)

. Wells were initially pumped and surged using a Reclaimer pump system. During development, water quality measurements of pH, temperature, specific conductance, oxidation reduction potential (ORP), dissolved oxygen (DO), and turbidity were periodically collected using field-calibrated water quality equipment.

During development activities, water quality measurements were conducted utilizing an AquaTroll® multimeter and a Hach turbidimeter. Water level measurements were collected using a decontaminated electronic water level indicator, referenced to a permanent marking at the top of the casing and recorded to within 0.01 foot.

Equipment Calibration and Well Development Forms are included in Appendix D. Resolute completed a well Development Form for the well, documenting well location, development date(s), elapsed time since development started, depth to water, purge rate, cumulative purge volume, and water quality parameter



Well Installation Report
Plant Bowen Landfill Cells 5 & 6, and 7 & 8
4.0 Well Survey

measurements throughout and at completion of the development process. Due to the high turbidity, GWA-33 required a second development. The second development occurred on 07/06/2023 and the turbidity was unable to get below 40.60 NTUs. Therefore, this well was designated as a piezometer.

4.0 Well Survey

Wells were surveyed June 7, through June 9, 2023, by Metro Survey and Engineering. The survey was completed using Leica GS18T (survey-grade) global positioning system receiver and a closed level check loop with a Leica DNA 10 digital level with a positional tolerance of 0.5/0.01' H:V. The top of the PVC casing was surveyed to 0.5 foot horizontal and 0.01-foot vertical tolerance, and a marking was made on the PVC to use for reference during future measurements. The horizontal location (i.e., northings and eastings) was recorded in feet relative to the North American Datum of 1983 (NAD) with the vertical elevation recorded in feet relative to the North American Vertical Datum of 1988. Surveyed coordinates and elevations are presented on the subsurface boring log and well installation log and on Table 1. The certified surveyor's report is attached as Appendix E.



TABLE

**Table 1
Well Construction Details**

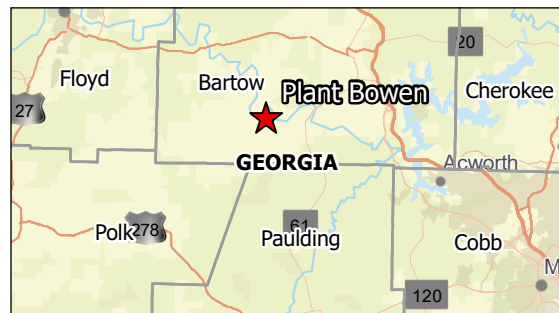
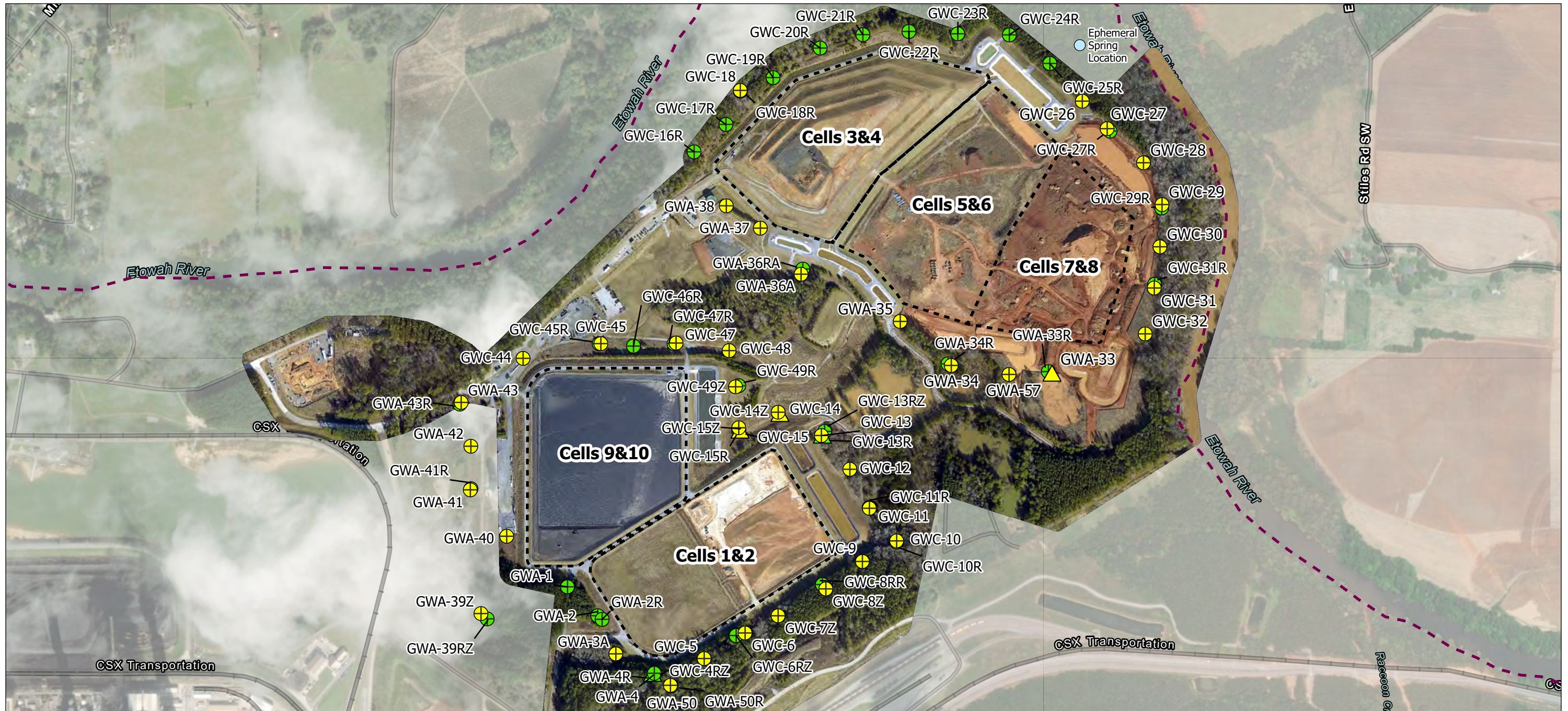
**Georgia Power Company - Plant Bowen
Landfill Cells 5 & 6, and 7 & 8
Euharlee, Georgia**

Well	Latitude	Longitude	Northing (NAD83) ⁽¹⁾	Easting (NAD83) ⁽¹⁾	Top of Casing Elevation (feet NAVD88) ⁽²⁾	Ground Surface Elevation (feet NAVD88) ⁽²⁾	Top of Screen Elevation (feet NAVD88) ⁽³⁾	Screen Bottom Elevation (feet NAVD88) ⁽³⁾	Total Depth (feet bgs)	Depth to Bedrock (feet bgs)	Screened Interval (feet bgs)	Screen Length (feet)	Date Installed
GWC-26	34.138443	-84.897943	1506231.7	2075314.3	676.28	673.15	644.45	634.45	39.1	26.0	28.7-38.7	10.0	4/20/2023
GWC-27	34.137919	-84.897363	1506039.7	2075488.4	675.85	673.21	641.01	631.01	42.5	25.0	32.2-42.2	10.0	4/23/2023
GWC-27R	34.137872	-84.897296	1506022.3	2075508.5	676.17	673.29	594.99	584.99	88.7	20.0	78.3-88.3	10.0	5/5/2023
GWC-28	34.137270	-84.896520	1505801.7	2075741.9	675.30	672.82	638.52	628.52	44.7	14.5	34.3-44.3	10.0	4/22/2023
GWC-29	34.136471	-84.896086	1505509.8	2075871.2	679.29	676.13	628.33	618.33	58.2	33.0	47.8-57.8	10.0	5/1/2023
GWC-29R	34.136405	-84.896094	1505485.9	2075868.3	679.12	676.22	580.22	570.22	106.0	23.5	96.0-106.0	10.0	5/15/2023
GWC-30	34.135636	-84.896143	1505206.2	2075851.5	685.00	681.86	643.86	633.86	48.0	26.5	38.0-48.0	10.0	4/25/2023
GWC-31	34.134870	-84.896251	1504927.6	2075816.9	683.13	680.20	623.40	613.40	67.2	54.0	56.8-66.8	10.0	5/8/2023
GWC-31R	34.134941	-84.896243	1504953.4	2075819.5	683.09	680.18	584.18	574.18	106.5	47.0	96.0-106.0	10.0	5/4/2023
GWC-32	34.133989	-84.896452	1504607.5	2075753.7	692.18	688.93	640.33	630.33	59.0	34.0	48.6-58.6	10.0	5/9/2023
GWA-33	34.133244	-84.898594	1504341.0	2075103.7	675.48	672.57	618.57	608.57	64.5	46.0	54.0-64.0	10.0	4/23/2023
GWA-33R	34.133252	-84.898678	1504344.0	2075078.2	675.20	672.13	572.43	562.43	109.7	41.0	99.7-109.7	10.0	5/18/2023
GWA-34	34.133357	-84.900917	1504387.1	2074401.0	673.25	670.19	614.89	604.89	65.4	59.0	55.3-65.3	10.0	5/22/2023
GWA-34R	34.133387	-84.900992	1504398.3	2074378.3	672.95	670.24	582.24	572.24	98.5	69.0	88.0-98.0	10.0	5/21/2023
GWA-35	34.134194	-84.902100	1504694.2	2074045.1	696.66	693.83	637.83	627.83	66.0	44.0	56.0-66.0	10.0	4/21/2023
GWA-57	34.133192	-84.899584	1504324.3	2074803.9	675.07	672.06	604.06	594.06	78.0	68.0	68.0-78.0	10.0	5/18/2023

Notes:

1. Horizontal locations referenced to Georgia State Plane West, North American Datum (NAD) of 1983
2. Vertical elevations are feet referenced to North American Vertical Datum of 1988 (NAVD88).
3. Screen elevations calculated using Ground Surface Elevation
4. Wells were surveyed by Metro Survey and Engineering

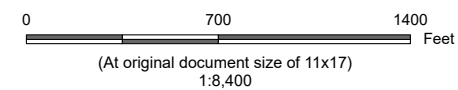
FIGURE



- Legend**
- ⊕ Detection Monitoring Well (Overburden)
 - ▲ Water Level Piezometer (Overburden)
 - ⊕ Detection Monitoring Well (Bedrock)
 - ▲ Water Level Piezometer (Bedrock)
 - Ephemeral Spring Location
 - Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)

Notes

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Landfill Boundaries, Site Boundary, and Monitoring Well locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Plant imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS



Project Location
Euharlee, Georgia

Prepared by CA on 8/10/2023
TR by MP on 8/10/2023
IR by MD on 8/10/2023

Client/Project

172678190

Georgia Power
2023 Well Installation Report - Landfill Cells 5&6 and 7&8

Figure No.

1

Title

Well Location Map

APPENDIX A
CASCADE DRILLING BOND



Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **Deanna M. French, Susan B. Larson, Elizabeth R. Hahn, Jana M. Roy, Scott McGilvray, Mindee L. Rankin, Ronald J. Lange, John R. Claeys, Roger Kaltenbach, Guy Armfield, Scott Fisher, Andrew P. Larsen, Nicholas Fredrickson, William M. Smith, Derek Sabo, Charla M. Boadle**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **unlimited** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

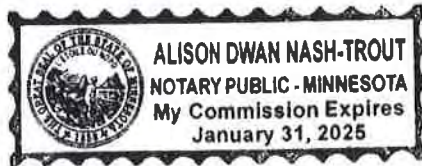
IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this twenty-seventh day of April, 2020.



By *Paul J. Brehm*
Paul J. Brehm, Senior Vice President

STATE OF MINNESOTA
HENNEPIN COUNTY

On this twenty-seventh day of April, 2020, before me personally came Paul J. Brehm, Senior Vice President of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, that he is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.



Alison Nash-Trout
Notary Public

I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 12 day of April, 2021.

This Power of Attorney expires
January 31, 2025



Kara Barrow
Kara Barrow, Secretary

CONTINUATION
CERTIFICATE

Atlantic Specialty Insurance Company

, Surety upon

a certain Bond No. 800033976

dated effective 09/27/2017
(MONTH-DAY-YEAR)

on behalf of Ricky Davis / Cascade Drilling, L.P.
(PRINCIPAL)

and in favor of Department of Natural Resources, State of Georgia
(OBLIGEE)

does hereby continue said bond in force for the further period

beginning on 06/30/2021
(MONTH-DAY-YEAR)

and ending on 06/30/2023
(MONTH-DAY-YEAR)

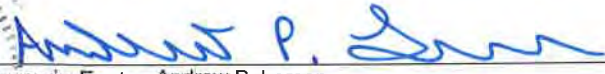
Amount of bond Thirty Thousand and 00/100 Dollars (\$30,000.00)

Description of bond Performance Bond for Water Well Contractors

PROVIDED: That this continuation certificate does not create a new obligation and is executed upon the express condition and provision that the Surety's liability under said bond and this and all Continuation Certificates issued in connection therewith shall not be cumulative and that the said Surety's aggregate liability under said bond and this and all such Continuation Certificates on account of all defaults committed during the period (regardless of the number of years) said bond had been and shall be in force, shall not in any event exceed the amount of said bond as hereinbefore set forth.

Signed and dated on April 12th, 2021
(MONTH-DAY-YEAR)

Atlantic Specialty Insurance Company

By 
Attorney-in-Fact Andrew P. Larsen

Parker, Smith & Feek, Inc.

Agent
2233 112th Ave NE Bellevue, WA 98004

Address of Agent

425-709-3600

Telephone Number of Agent

APPENDIX B
SUBSURFACE BORING LOG AND WELL
INSTALLATION LOGS

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-33
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133244, Long. -84.898594 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.57 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 4/22/23 </u> Completed <u> 4/24/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 19.2 ft </u> Date/Time <u> 4/23/23 17:00 </u>
Inspector <u> G. Robertson </u> Logger <u> G. Robertson </u>	Depth to Water <u> N/A </u> Date/Time <u> N/A </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Prosonic SR120 </u> Driller <u> M. Herron </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Lithology			Description	Overburden: Rock Core:	Sample RQD %	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
Depth Ft ²	Elevation								
0	0.0	672.6	Top of Hole						
1			SILTY LEAN CLAY, CL, 2.5YR 4/6 (red), low to medium plasticity, firm, moist						
2									
3	3.2	669.4							
4			SILTY FAT CLAY, CH, 10YR 5/1 (gray), high plasticity, very hard, dry	RS01E	0.0 - 7.0	7.0	N/A		
5									
6									
7			SILTY POORLY GRADED SAND WITH CLAY, SM, 2.5YR 6/4 (light reddish brown), fine, medium dense, moist						
8									
9	9.5	663.1							
10			SANDY WELL GRADED GRAVEL WITH SILT, GM, 2.5YR 6/4 (light reddish brown), fine, loose, moist						
11									
12	13.0	659.6							
13			SILTY POORLY GRADED SAND WITH CLAY, SM, 5YR 5/8 (yellowish red) and 10YR 5/1 (gray), fine, medium dense, moist						
14	14.0	658.6							
15									
16			SILTY LEAN CLAY SOME SAND, CL, 7.5YR 6/8 (reddish yellow) and 10YR 5/1 (gray), low plasticity, firm, moist, With trace to little chert	RS03E	17.0 - 27.0	10.0	N/A		
17									
18									
19									
20	20.5	652.1							
21									
22									
23									
24									
25									

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWA-33**
 Boring Location Lat. 34.133244, Long. -84.898594
 Surface Elevation 672.57 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
25			SILTY LEAN CLAY SOME SAND, CL, 7.5YR 6/8 (reddish yellow) and 10YR 5/1 (gray), low plasticity, firm, moist, With trace to little chert <i>(Continued)</i>						
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37.0	635.6								
38			CLAYEY POORLY GRADED SAND WITH SILT WITH GRAVEL, SM, 10YR 4/4 (dark yellowish brown), fine, loose, wet, Pebble to cobble, surrounded, Quartzite gravel						
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50.0	622.6								
51			Void 50 to 54 feet						
52									
53									
54									
54.0	618.6								
55			Dolomite, light gray, hard, slightly weathered, wet, iron oxide staining. Zone with void 57 to 65 feet. Munsell color N7.						
56									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-33
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133244, Long. -84.898594 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.57 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
57		▨	Dolomite, light gray, hard, slightly weathered, wet, iron oxide staining, Zone with void 57 to 65 feet. Munsell color N7. <i>(Continued)</i>						
58		▨							
59		▨							
60		▨							
61		▨							
62		▨							
63		▨							
64		▨							
65		▨							
66		▨							
67	67.0	605.6							

No Refusal /
Bottom of Hole at 67.0 Ft.

Top of Rock = 46.0 Ft.
Top of Rock Elevation = 626.6 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>		Date Started: <u>4/22/23</u>	Date Completed: <u>4/23/23</u>
Borehole/Well No: <u>GWA-33</u>		Northing (ft): <u>1504341.0</u>	Easting (ft): <u>2075103.7</u>
Plant Name: <u>Plant Bowen</u>		Latitude: <u>N34.133244</u>	Longitude: <u>W84.898594</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>		Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>672.57</u>	Stickup (ft, ags): <u>2.92</u>	
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>67.0</u>	
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>64.0</u>	
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>675.48</u>	Screen length (ft): <u>10.0</u>	
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>19.23</u>		
Sampling Method: <u>4 inch Core Barrel</u>			
Prepared By: <u>G. Robertson</u>			
Review By: <u>Cassidy Sutherland</u>			

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.92 ft, ags</u>	Stick up: <u>2.92</u> ft, ags
	Ground surface - 0.0'	
	Grout <u>43.0 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite <u>52.0 ft, bgs</u>	Casing Top: <u>2.92</u> ft, ags Bottom: <u>54.0</u> ft, bgs
	Top of Screen <u>54.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Bottom of screen <u>64.0 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Top of backfill below filter pack (see notes) <u>67.0 ft, bgs</u>	Screen Top: <u>54.0</u> ft, bgs Bottom: <u>64.0</u> ft, bgs
	Terminus of borehole <u>67.0 ft, bgs</u>	Sump/end cap Top: <u>64.0</u> ft, bgs Bottom: <u>64.5</u> ft, bgs
	2 inch casing	Grout Quantity: <u>40 gallons</u>
	52.0 ft bgs Filter pack	Grout Type: <u>Aquaguard</u>
	0.010" Slot screen	Grout Top: <u>2.0</u> ft, bgs Bottom: <u>43.0</u> ft, bgs
	64.5 ft, bgs Sump/end cap	Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
	67.0 ft, bgs Base of filter pack	Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>43.0</u> ft, bgs Bottom: <u>52.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>52.0</u> ft, bgs Bottom: <u>67.0</u> ft, bgs
		Notes: 5.5 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume ~ 2.5 ft ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets Three bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWA-33R
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.133252, Long. -84.898678</u>
Project Number <u>175569450</u>	Surface Elevation <u>672.13 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/9/23</u> Completed <u>5/10/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>20.2 ft</u> Date/Time <u>5/16/23 08:50</u>
Inspector <u>J. Massey</u> Logger <u>J. Massey</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler Driller</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>A. Stevens</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	672.1	Top of Hole						
1			SILTY LEAN CLAY, CL, 2.5YR 4/4 (reddish brown), low to medium plasticity, soft to firm, dry to moist, no staining						
2	2.0	670.1							
3			FAT CLAY, CH, 10YR 5/6 (yellowish brown) with 2.5YR 4/6 (red), medium to high plasticity, hard, dry, iron oxide staining, Stratified, Mottled						
4									
5	5.0	667.1	SILTY WELL GRADED GRAVEL WITH CLAY, GW-GC, 10YR 5/4 (yellowish brown) with 2.5YR 4/6 (red), fine to coarse, medium dense, dry to moist, iron oxide staining, Fissured, subrounded to subangular, moderately graded, Quartzite gravel	RS01E		0.0 - 10.0	9.0	N/A	
6									
7	7.0	665.1							
8			SANDY FAT CLAY WITH SILT, SC, 2.5Y 7/2 (light gray) with 2.5YR 4/6 (red), very fine to fine, medium plasticity, dense, dry, Stratified, poorly graded, Mottled lenses of fine sand						
9									
10	10.0	662.1	GRAVELLY SILT WITH CLAY, ML, 2.5Y 8/2 (pale brown) with 10YR 6/8 (brownish yellow), low plasticity, firm to hard, moist, iron oxide staining, Fissured, Chert gravel						
11									
12			CLAYEY SILTY GRAVEL, GM, 2.5YR 6/4 (light reddish brown), fine to coarse, loose, moist, iron oxide staining						
13	13.0	659.1							
14	14.0	658.1	GRAVELLY SILT WITH CLAY, CL-ML, 2.5Y 8/2 (pale brown) with 10YR 6/8 (brownish yellow), low to medium plasticity, firm, moist, iron oxide staining, Stratified, Mottled	RS02E		10.0 - 20.0	10.0	N/A	
15									
16			SILTY LEAN CLAY SOME GRAVEL, CL, 10YR 7/8 (yellow), low plasticity, soft to firm, moist, Cherty dolomite gravel, trace white silty clay						
17	17.0	655.1							
18									
19									
20									

STANTEC 1755 STD 175569450 BORING LOGS (I)IGPJ BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWA-33R
 Boring Location Lat. 34.133252, Long. -84.898678
 Surface Elevation 672.13 ft Elevation Datum NAVD88

Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation		Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
20		SILTY LEAN CLAY SOME GRAVEL, CL, 10YR 7/8 (yellow), low plasticity, soft to firm, moist, Cherty dolomite gravel, trace white silty clay <i>(Continued)</i>							
21									
22									
23									
24									
25					RS03E	20.0 - 30.0	10.0	N/A	
26									
27									
28									
29									
30									
31									
32									
33									
34	34.0	638.1							
35		GRAVELLY SILT WITH CLAY, SM, 10YR 4/4 (dark yellowish brown) with 2.5Y 3/2 (very dark grayish brown), fine, loose, moist to wet, Fissured, Manganese staining with mottling; partially weathered dolomite and chert gravel							
36					RS04E	30.0 - 40.0	10.0	N/A	
37									
38									
39									
40									
41	41.0	631.1							
42		Void						void from 41 to 49	
43									
44									
45									

STANTEC 1755 STD 175569450 BORING LOGS (I)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

Stantec Boring No. GWA-33R
 Boring Location Lat. 34.133252, Long. -84.898678
 Surface Elevation 672.13 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
45			Void (Continued)		RS05E	40.0 - 50.0	2.0	N/A	soft zone to 53 feet
46									
47									
48									
49	49.0	623.1							
50	50.0	622.1	CLAYEY WELL GRADED GRAVEL WITH SILT SOME SAND, GW, 10YR 6/6 (brownish yellow), fine to coarse, loose, wet, Fissured, well graded, Pale white mottled reduced iron zones; partially weathered chert and dolomite gravel with vugs						
51	51.0	621.1							
52			CLAYEY SILTY SAND, SM, 10YR 5/6 (yellowish brown) with 2.5Y 8/1 (white), fine to medium, very loose, wet, iron oxide staining, Lensed, moderately graded						
53	53.0	619.1							
54			CLAYEY WELL GRADED GRAVEL WITH SILT SOME SAND, GW, 10YR 6/6 (brownish yellow), fine to coarse, loose, wet, Fissured, gap graded, Partially weathered dolomite gravel at 52 to 53 feet bgs		RS06E	50.0 - 60.0	4.0	N/A	
55									
56			Void						
57									
58									
59	59.0	613.1							
60			Dolomite, light gray with dark orange, finely crystalline, moderately hard to hard, massive bedded, highly weathered to slightly weathered, iron oxide staining, Munsell color N7, iron staining with small vugs						
61									
62									
63	63.0	609.1							
64	64.0	608.1	Void						
65			Dolomite, light gray, hard, slightly weathered, iron oxide staining, Munsell color N7, some very small, tight calcite fracture fills		RS07E	60.0 - 70.0	4.5	N/A	
66	66.0	606.1							
67			Void						
68									
69	69.0	603.1							
70									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RQDGT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWA-33R
 Boring Location Lat. 34.133252, Long. -84.898678
 Surface Elevation 672.13 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
70			Dolomite, light gray with dark orange, finely crystalline, hard, massive bedded, Munsell color N7, some chert interbedding and tight fracture fill <i>(Continued)</i>						
71	71.5	600.6							
72			Void						
73									
74									
75					RS08E	70.0 - 80.0	0.5	N/A	
76									
77									
78									
79									
80	80.0	592.1							in filled void
81	81.0	591.1	Dolomite, Munsell color N7						
82			Void						
83									
84									
85					RS09E	80.0 - 90.0	0.0	N/A	
86									
87									
88									
89									
90									
91									
92									
93									
94									
95									

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWA-33R
 Boring Location Lat. 34.133252, Long. -84.898678
 Surface Elevation 672.13 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
95			Void (Continued)		RS10E	90.0 - 100.0	1.0	N/A	
96									
97									
98	98.0	574.1	Dolomite, light gray with dark orange, finely crystalline, hard, massive bedded to thin, iron oxide staining, Munsell color N7 to N4, some thin interbedding, wider calcite and dolomite fracture fill						
99									
100									
101									
102									
103									
104									
105	105.0	567.1		Void					
106									
107									
108	108.0	564.1	Dolomite (80%) With Sandstone (20%)						
109									
110	110.0	562.1							
			Dolomite, light gray light yellow gray, fine grained to medium grained, hard, medium bedded, iron oxide staining, calcareous, Munsell color N7 to N4 with RP2/2, cherty dolomite with sandstone and/or quartzite						
			No Refusal / Bottom of Hole at 110.0 Ft. Top of Rock = 53.0 Ft. Top of Rock Elevation = 619.1 Ft.						

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/16/2023</u>	Date Completed: <u>5/18/2023</u>
Borehole/Well No: <u>GWA-33R</u>	Northing (ft): <u>1504344.0</u>	Easting (ft): <u>2075078.2</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.133252</u>	Longitude: <u>W84.898678</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>AD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>672.13</u>	Stickup (ft, ags): <u>3.07</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>110.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>109.7</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>675.20</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>20.21</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Andrew Stevens</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>3.07 ft, ags</u>	Stick up: <u>3.07</u> ft, ags
	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	
	Grout <u>17.4 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	2 inch casing	Casing Top: <u>3.07</u> ft, ags Bottom: <u>109.7</u> ft, bgs
	Bentonite Pellets <u>97.1 ft, bgs</u>	Screen Type: <u>U-pack</u>
	97.1 ft bgs Filter pack	Screen Slot Size: <u>0.010"</u>
	Top of Screen <u>99.3 ft, bgs</u>	Screen Top: <u>99.3</u> ft, bgs Bottom: <u>109.3</u> ft, bgs
	0.010" Slot screen	Sump/end cap Top: <u>109.3</u> ft, bgs Bottom: <u>109.7</u> ft, bgs
	109.7 ft, bgs Sump/end cap	Grout Quantity: <u>30</u> gallons
	110.0 ft, bgs Base of filter pack	Grout Type: <u>Aquaguard</u>
	Terminus of borehole <u>110.0 ft, bgs</u>	Grout Top: <u>0.0</u> ft, bgs Bottom: <u>17.4</u> ft, bgs
		Density Initial: <u>n/a</u> * lbs/gal Return: <u>n/a</u> * lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>17.4</u> ft, bgs Bottom: <u>97.1</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>97.1</u> ft, bgs Bottom: <u>110.0</u> ft, bgs
		Notes: 8 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume ~ 2.5 ft ³ 1 50 lb bucket Pel Plug 3/8" coated bentonite pellets 23 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWA-34
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.133357, Long. -84.900917</u>
Project Number <u>175569450</u>	Surface Elevation <u>670.19 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/18/23</u> Completed <u>5/18/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>17.2 ft</u> Date/Time <u>5/18/23 08:49</u>
Inspector <u>A. Stevens</u> Logger <u>A. Stevens</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler Driller</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	670.2	Top of Hole						
1			SILTY LEAN CLAY SOME GRAVEL, CL, 10YR 6/2 (light brownish gray) to 10YR 8/3 (very pale brown), non to low plasticity, soft, dry, no odor, no staining, Gravel fragments are subrounded	RS01E	0.0 - 10.0	8.0	N/A		
2	2.0	668.2							
3			WELL GRADED SAND WITH SILT SOME GRAVEL, SW-SC, 10YR 8/4 (very pale brown) to 10YR 8/2 (very pale brown), fine to coarse, loose, dry	RS01E	0.0 - 10.0	8.0	N/A		
4	4.0	666.2							
5	5.5	664.7	ELASTIC SILT WITH CLAY, MH/CL, 10YR 8/1 (white), low to medium plasticity, firm	RS01E	0.0 - 10.0	8.0	N/A		
6									
7			SILTY LEAN CLAY SOME GRAVEL, CL, 10YR 6/2 (light brownish gray) to 10YR 8/3 (very pale brown), non to low plasticity, soft, dry, no odor, no staining, Gravel fragments are subrounded	RS01E	0.0 - 10.0	8.0	N/A		
8									
9			SILTY LEAN CLAY, MH/CL, 10YR 6/1 (gray), low to medium plasticity, firm, dry	RS01E	0.0 - 10.0	8.0	N/A		
10	10.0	660.2							
11			SILTY LEAN CLAY, MH/CL, 10YR 8/1 (white), low to medium plasticity, firm, moist	RS02E	10.0 - 20.0	10.0	N/A		
12	12.5	657.7							
13			GRAVELLY WELL GRADED SAND, GP, 10YR 6/1 (gray), medium to coarse, loose, wet, well graded	RS02E	10.0 - 20.0	10.0	N/A		
14									
15	15.5	654.7	SILTY LEAN CLAY, MH/CL, 10YR 8/1 (white), low to medium plasticity, firm, wet	RS02E	10.0 - 20.0	10.0	N/A		
16									
17	17.0	653.2		RS02E	10.0 - 20.0	10.0	N/A		
18				RS02E	10.0 - 20.0	10.0	N/A		
19				RS02E	10.0 - 20.0	10.0	N/A		
20				RS02E	10.0 - 20.0	10.0	N/A		
21				RS02E	10.0 - 20.0	10.0	N/A		
22				RS02E	10.0 - 20.0	10.0	N/A		
23				RS02E	10.0 - 20.0	10.0	N/A		
24				RS02E	10.0 - 20.0	10.0	N/A		
25				RS02E	10.0 - 20.0	10.0	N/A		

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

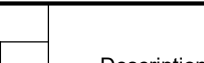



 Stantec Boring No. GWA-34
 Boring Location Lat. 34.133357, Long. -84.900917
 Surface Elevation 670.19 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation	Rock Core:		RQD %	Run Ft	Rec. Ft	Rec. %		
25			SILTY LEAN CLAY, MH/CL, 10YR 8/1 (white), low to medium plasticity, firm, wet (Continued)		RS03E	20.0 - 30.0	10.0	N/A	
26									
27	27.0	643.2	SILTY LEAN CLAY LITTLE GRAVEL, MH/CL, 10YR 8/1 (white) to 10YR 6/4 (light yellowish brown), low to medium plasticity, firm, wet, Angular dolostone fragments						
28									
29									
30			SILTY FAT CLAY LITTLE GRAVEL, CH, 10YR 7/6 (yellow), medium to high plasticity, soft to hard, wet, Angular dolostone gravel		RS04E	30.0 - 40.0	10.0	N/A	
31	31.5	638.7							
32									
33									
34			No recovery, no void. Potential sandy/gravel layer						
35									
36									
37									
38									
39			SANDY FAT CLAY SOME GRAVEL, CH, 10YR 5/6 (yellowish brown), medium to high plasticity, firm to hard, wet, Angular dolostone gravel		RS05E	40.0 - 50.0	0.0	N/A	
40	40.0	630.2							
41									
42									
43									
44									
45			FAT CLAY, CH, 10YR 5/4 (yellowish brown), high plasticity, hard, moist						
46									
47			GRAVELLY LEAN CLAY WITH SAND, CL, 7.5YR 5/6 (strong brown) with 10YR 8/1 (white), non to low plasticity, soft to firm, wet, no odor, no staining, Angular mudstone fragments.		RS06E	50.0 - 60.0	8.0	N/A	
48									
49									
50	50.0	620.2							
51			SANDY FAT CLAY SOME GRAVEL, CH, 10YR 5/6 (yellowish brown), medium to high plasticity, firm to hard, wet, Angular dolostone gravel						
52	52.0	618.2							
53	53.5	616.7							
54									
55									
56									

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWA-34**
 Boring Location Lat. 34.133357, Long. -84.900917
 Surface Elevation 670.19 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
57			GRAVELLY LEAN CLAY WITH SAND, CL, 7.5YR 5/6 (strong brown) with 10YR 8/1 (white), non to low plasticity, soft to firm, wet, no odor, no staining, Angular mudstone fragments. <i>(Continued)</i>						
59.0	611.2								
60			Dolomite, light gray, finely crystalline, hard, thin bedded, iron oxide staining, Munsell color N7						
61.0	609.2								
62			Void and thin dolostone beds/gravel filled void	RS07E	60.0 - 66.0		3.0	N/A	
65.0	605.2								
66.0	604.2		Dolomite, light gray, finely crystalline, hard, thin bedded, iron oxide staining, Munsell color N7						

No Refusal /
Bottom of Hole at 66.0 Ft.

Top of Rock = 59.0 Ft.
Top of Rock Elevation = 611.2 Ft.

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/18/2023</u>	Date Completed: <u>5/22/2023</u>
Borehole/Well No: <u>GWA-34</u>	Northing (ft): <u>1504387.1</u>	Easting (ft): <u>2074401.3</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.133357</u>	Longitude: <u>L900917</u>
Plant Address: <u>317 Covered Bridge Rd, Euaharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>670.19</u>	Stickup (ft, ags): <u>3.06</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>66.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>65.4</u>
Drilling Equipment/Rlg Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>673.25</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>17.2</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Andrew Stevens</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
<div style="text-align: center;"> </div>	<p>Stick up <u>3.06 ft, ags</u></p> <p>Ground surface - 0.0'</p> <p>Inch Diameter Protective Cover with Locking Lid</p> <p>Outer casing</p> <p>Grout <u>13.1 ft, bgs</u></p> <p>2 inch casing</p> <p>Bentonite Pellets <u>52.7 ft, bgs</u></p> <p>52.7 ft bgs Filter pack</p> <p>Top of Screen <u>55.0 ft, bgs</u></p> <p>0.010" Slot screen</p> <p>Bottom of screen <u>65.0 ft, bgs</u></p> <p>65.4 ft, bgs Sump/end cap</p> <p>Top of backfill below filter pack (see notes) <u>66.0 ft, bgs</u></p> <p>66.0 ft, bgs Base of filter pack</p> <p>Terminus of borehole <u>66.0 ft, bgs</u></p>	<p>Stick up: <u>3.06</u> ft, ags</p> <p>Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u></p> <p>Casing Top: <u>3.06</u> ft, ags Bottom: <u>65.4</u> ft, bgs</p> <p>Screen Type: <u>U-pack</u></p> <p>Screen Slot Size: <u>0.010"</u></p> <p>Screen Top: <u>55.0</u> ft, bgs Bottom: <u>65.0</u> ft, bgs</p> <p>Sump/end cap Top: <u>65.0</u> ft, bgs Bottom: <u>65.4</u> ft, bgs</p> <p>Grout Quantity: <u>30</u> gallons</p> <p>Grout Type: <u>Aquaguard</u></p> <p>Grout Top: <u>0.3</u> ft, bgs Bottom: <u>13.1</u> ft, bgs</p> <p>Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal</p> <p>Bentonite Type: <u>Pellets and Holeplug</u></p> <p>Bentonite Seal Top pel: <u>49.5</u> ft, bgs Bottom pel: <u>52.7</u> ft, bgs Top chip: <u>13.1</u> ft, bgs Bottom chips: <u>49.5</u> ft, bgs</p> <p>Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u></p> <p>Filter Pack: Top: <u>52.7</u> ft, bgs Bottom: <u>66.0</u> ft, bgs</p> <p>Notes: <u>5 (50 lb) bags Southern Products Silica GP #1 pack</u> <u>- Estimated dry filter pack volume - 2.5 ft³</u> <u>13 50 lb bucket Pel Plug 3/8" coated bentonite pellets</u> <u>1 bags (50 lb) Hole Plug bentonite chips, 3/8"</u> <u>Backfill below sand pack: n/a</u> <u>* Grout mixed to manufacturers recommendations</u></p>



















Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-34R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133387, Long. 84.900992 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 670.24 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 5/19/23 </u> Completed <u> 5/19/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 16.6 ft </u> Date/Time <u> 5/20/23 08:26 </u>
Inspector <u> G. Robertson </u> Logger <u> G. Robertson </u>	Depth to Water <u> N/A </u> Date/Time <u> N/A </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Prosonic SR120 </u> Driller <u> M. Herron </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	670.2	Top of Hole						
1			SILTY LEAN CLAY LITTLE GRAVEL, CL, 5YR 5/2 (reddish gray), low plasticity, firm, moist, With little quartzite gravel (rounded, pebble to cobble).						
2									
3	2.5	667.7	FAT CLAY, CH, 5YR 5/2 (reddish gray) with 5YR 7/6 (reddish yellow), high plasticity, firm, moist		RS01E	0.0 - 7.0	7.0	N/A	
4									
5									
6									
7									
8									
9									
10									
11									
12	12.1	658.1	SILTY LEAN CLAY LITTLE GRAVEL, CL, 7.5YR 7/1 (light gray), low plasticity, firm, moist, With little angular chert and dolomite gravel (pebble size)		RS02E	7.0 - 17.0	7.0	N/A	
13									
14									
15									

STANTEC 1755 STD 175569450 BORING LOGS (I)IGPJ BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWA-34R
 Boring Location Lat. 34.133387, Long. 84.900992
 Surface Elevation 670.24 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
15			SILTY LEAN CLAY LITTLE GRAVEL, CL, 7.5YR 7/1 (light gray), low plasticity, firm, moist, With little angular chert and dolomite gravel (pebble size) <i>(Continued)</i>						
16									
17									
18									
19									
20									
21									
22	22.2	648.0			RS03E	17.0 - 27.0	7.0	N/A	
23			SANDY WELL GRADED GRAVEL WITH SILT, GW, 7.5YR 7/1 (light gray), very fine to coarse, loose, wet, Angular, pebble to cobble, chert and dolomite.						
24									
25									
26									
27									
28									
29									
30									
31									
32					RS04E	27.0 - 37.0	2.3	N/A	
33									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-34R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133387, Long. 84.900992 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 670.24 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
34			SANDY WELL GRADED GRAVEL WITH SILT, GW, 7.5YR 7/1 (light gray), very fine to coarse, loose, wet, Angular, pebble to cobble, chert and dolomite. <i>(Continued)</i>							
35										
36										
37	633.2	37.0	SANDY LEAN CLAY LITTLE GRAVEL, CL, 7.5YR 7/1 (light gray) and 5YR 7/6 (reddish yellow), low plasticity, soft, wet, With little angular chert pebbles.							
38										
39										
40										
41										
42										
43	627.2	43.0	CLAYEY POORLY GRADED SAND WITH SILT LITTLE GRAVEL, SM, 7.5YR 7/6 (reddish yellow), fine, loose, wet, With little angular, chert and dolomite gravel (pebble size).	RS05E		37.0 - 47.0	10.0	N/A		
44										
45										
46										
47										
48										
49										
50										
51										
52										

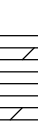















STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-34R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133387, Long. 84.900992 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 670.24 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71			CLAYEY POORLY GRADED SAND WITH SILT LITTLE GRAVEL, SM, 7.5YR 7/6 (reddish yellow), fine, loose, wet, With little angular, chert and dolomite gravel (pebble size). <i>(Continued)</i>						
					RS06E	47.0 - 67.0	2.2	N/A	
	69.0	601.2	Dolomite, gray, microcrystalline, hard, thin to medium bedded, slightly weathered, wet, iron oxide staining, 45° bedding angle						

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-34R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133387, Long. 84.900992 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 670.24 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
72			Dolomite, gray, microcrystalline, hard, thin to medium bedded, slightly weathered, wet, iron oxide staining, 45° bedding angle <i>(Continued)</i>		RS07E	67.0 - 77.0	3.1	N/A	
73									
74									
75	75.0	595.2	Void						
76									
77									
78	78.0	592.2	Dolomite, light gray, microcrystalline, moderately hard, thin, moderately weathered, wet, iron oxide staining, Interbedded with chert		RS08E	77.0 - 87.0	3.1	N/A	
79									
80									
81									
82									
83									
84									
85									
86	86.5	583.7	Dolomite, light gray, microcrystalline, hard, moderately weathered, wet, iron oxide staining, With small (<1 ft) clayey gravel filled void approximately 92-96', 98-101.						
87									
88									
89									
90									

STANTEC 1755 STD 175569450 BORING LOGS (I)GPI BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-34R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133387, Long. 84.900992 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 670.24 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
90		▨	Dolomite, light gray, microcrystalline, hard, moderately weathered, wet, iron oxide staining, With small (<1 ft) clayey gravel filled void approximately 92-96', 98-101'. <i>(Continued)</i>						
91		▨							
92		▨		RS09E	87.0 - 97.0	4.0	N/A		
93		▨							
94		▨							
95		▨							
96		▨							
97		▨							
98		▨							
99		▨		RS10E	97.0 - 101.0	1.7	N/A		
100		▨							
101	101.0	569.2							

No Refusal /
Bottom of Hole at 101.0 Ft.

Top of Rock = 69.0 Ft.
Top of Rock Elevation = 601.2 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0,GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/19/23</u>	Date Completed: <u>5/21/23</u>
Borehole/Well No: <u>GWA-34R</u>	Northing (ft): <u>1504398.3</u>	Easting (ft): <u>2074378.3</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.133387</u>	Longitude: <u>W84.900992</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>670.24</u>	Stickup (ft, ags): <u>2.71</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>101.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>98.5</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>672.95</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>16.61</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.71 ft, ags</u>	Stick up: <u>2.71</u> ft, ags
	Ground surface - 0.0'	
		Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>17.0 ft, bgs</u>	Casing Top: <u>2.71</u> ft, ags Bottom: <u>88.0</u> ft, bgs
	Bentonite <u>84.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Top of Screen <u>88.0 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Bottom of screen <u>98.0 ft, bgs</u>	Screen Top: <u>88.0</u> ft, bgs Bottom: <u>98.0</u> ft, bgs
	Top of backfill below filter pack (see notes) <u>99.0 ft, bgs</u>	Sump/end cap Top: <u>98.0</u> ft, bgs Bottom: <u>98.5</u> ft, bgs
	Terminus of borehole <u>101.0 ft, bgs</u>	Grout Quantity: <u>20.0</u> gallons
		Grout Type: <u>Aquaguard</u>
		Grout Near Surface Top: <u>2.0</u> ft, bgs Bottom: <u>17.0</u> ft, bgs
		Density Initial: <u>n/a</u> * lbs/gal Return: <u>n/a</u> * lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>17.0</u> ft, bgs Bottom: <u>84.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>84.0</u> ft, bgs Bottom: <u>99.0</u> ft, bgs
		Notes: Seven (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume ~ 2.5 m ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets 12 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

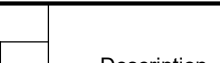
Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-35
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.134194, Long. -84.902100 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 693.83 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 4/20/23 </u> Completed <u> 4/20/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 38.8 ft </u> Date/Time <u> 4/21/23 09:30 </u>
Inspector <u> G. Robertson </u> Logger <u> G. Robertson </u>	Depth to Water <u> 39.1 ft </u> Date/Time <u> 4/21/23 05:10 </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Prosonic SR120 </u> Driller <u> M. Herron </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Depth Ft ²	Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	693.8	Top of Hole						
1			Overburden Silty clay						
2	2.0	691.8	SILTY LEAN CLAY, CL, 2.5YR 4/6 (red), low plasticity, soft to firm, dry						
4					RS01E	0.0 - 7.5	7.5	N/A	
10	10.0	683.8	SILTY LEAN CLAY LITTLE GRAVEL, CL, 5YR 4/4 (reddish brown) with 10YR 8/1 (white), low to medium plasticity, soft, dry, weathered chert, white mottling						
13					RS02E	7.5 - 17.5	10.0	N/A	

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWA-35**
 Boring Location Lat. 34.134194, Long. -84.902100
 Surface Elevation 693.83 ft Elevation Datum NAVD88

Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation		Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
15		 SILTY LEAN CLAY LITTLE GRAVEL, CL, 5YR 4/4 (reddish brown) with 10YR 8/1 (white), low to medium plasticity, soft, dry, weathered chert, white mottling (Continued)						
16								
17	17.0	676.8						
18		SILTY SAND LITTLE CLAY, SM, 7.5YR 6/8 (reddish yellow) with 2.5Y 8/2 (pale brown), fine, loose, dry to moist, Lensed, poorly graded, Mottled						
19								
20								
21								
22								
23				RS03E	17.5 - 27.5	10.0	N/A	
24								
25								
26								
27								
28								
29	29.5	664.3						
30		SILTY SAND SOME CLAY, SM, 10YR 4/4 (dark yellowish brown), fine, loose to dense, moist, Lensed, poorly graded						
31								
32	31.5		662.3					
33		SILTY SAND LITTLE CLAY, SM, 7.5YR 6/8 (reddish yellow) with 2.5Y 8/2 (pale brown), fine, loose, dry, Lensed, poorly graded, Mottled						
				RS04E	27.5 - 37.5	10.0	N/A	

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT RUGDT 7/24/23















Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-35
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.134194, Long. -84.902100 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 693.83 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52			SILTY SAND LITTLE CLAY, SM, 7.5YR 6/8 (reddish yellow) with 2.5Y 8/2 (pale brown), fine, loose, dry, Lensed, poorly graded, Mottled <i>(Continued)</i>						lost sample recovery from 37 to 43 feet bgs
					RS05E	37.5 - 44.0	1.0	N/A	
	43.0	650.8	LEAN CLAY, CL, 2.5Y 6/2 (light brownish gray), medium plasticity, firm, moist to wet						
	44.0	649.8	Dolomite, light gray, hard, slightly weathered, N7, dolomite fracture fill		RS06E	44.0 - 47.5	3.5	N/A	

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWA-35**
 Boring Location Lat. 34.134194, Long. -84.902100
 Surface Elevation 693.83 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
53			Dolomite, light gray, hard, slightly weathered, N7, dolomite fracture fill <i>(Continued)</i>		RS07E	47.5 - 57.5	10.0	N/A	
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									Fracture zone
64					RS08E	57.5 - 67.0	9.0	N/A	
65									
66									
67	67.0	626.8							

No Refusal /
Bottom of Hole at 67.0 Ft.

Top of Rock = 44.0 Ft.
Top of Rock Elevation = 649.8 Ft.

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/20/23</u>	Date Completed: <u>4/21/23</u>
Borehole/Well No: <u>GWA-35</u>	Northing (ft): <u>1504694.2</u>	Easting (ft): <u>2074045.1</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.134194</u>	Longitude: <u>W84.902100</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>693.83</u>	Stickup (ft, ags): <u>2.82</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>67.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>66.0</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>696.66</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>38.86</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.82 ft, ags</u>	Stick up: <u>2.82</u> ft, ags
	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
		Casing Top: <u>2.82</u> ft, ags Bottom: <u>56.0</u> ft, bgs
	Grout <u>41.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
	2 inch casing	Screen Slot Size: <u>0.010"</u>
	Bentonite <u>53.0 ft, bgs</u>	Screen Top: <u>56.0</u> ft, bgs Bottom: <u>66.0</u> ft, bgs
	53.0 ft bgs Filter pack	Sump/end cap Top: <u>66.5</u> ft, bgs Bottom: <u>67.0</u> ft, bgs
	Top of Screen <u>56.0 ft, bgs</u>	Grout Quantity: <u>160 gallons</u>
	0.010" Slot screen	Grout Type: <u>Aquaguard</u>
		Grout Top: <u>2.0</u> ft, bgs Bottom: <u>41.0</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>41.0</u> ft, bgs Bottom: <u>53.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>53.0</u> ft, bgs Bottom: <u>67.0</u> ft, bgs
	Bottom of screen <u>66.0 ft, bgs</u>	Notes:
	66.5 ft, bgs Sump/end cap	Five (50 lb) bags Southern Products Silica GP #1 pack
	Top of backfill below filter pack (see notes) <u>67.0 ft, bgs</u>	- Estimated dry filter pack volume - 2.5 ft ³
	67.0 ft, bgs Base of filter pack	One 50 lb bucket Pel Plug 3/8" coated bentonite pellets
		Five bags (50 lb) Hole Plug bentonite chips, 3/8"
		Backfill below sand pack: n/a
	Terminus of borehole <u>67.0 ft, bgs</u>	* Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWA-57
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.133192, Long. -84.899584</u>
Project Number <u>175569450</u>	Surface Elevation <u>672.06 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/16/23</u> Completed <u>5/18/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>13.7 ft</u> Date/Time <u>5/17/23 08:02</u>
Inspector <u>G. Robertson</u> Logger <u>G. Robertson</u>	Depth to Water <u>17.8 ft</u> Date/Time <u>5/18/23 10:02</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Prosonic SR120</u> Driller <u>M. Herron</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u> Approved By <u>C. Sutherland</u>	

Lithology			Description	Overburden: Rock Core:	Sample RQD %	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
Depth Ft ²	Elevation								
0	0.0	672.1	Top of Hole						
1			SILTY LEAN CLAY TRACE SAND, CL, 5YR 5/8 (yellowish red), low plasticity, firm, moist	RS01E	0.0 - 7.0	7.0	N/A		
2									
3	3.8	668.3	FAT CLAY, CH, 5YR 6/1 (gray) and 5YR 5/4 (reddish brown), high plasticity, hard, dry, Mottled, trace muscovite.						
4									
5			SILTY WELL GRADED GRAVEL WITH CLAY TRACE SAND, GC, 5YR 6/1 (gray) and 5YR 5/4 (reddish brown), fine to coarse, loose, well graded, Rounded quartzite pebble to cobble.	RS02E	7.0 - 17.0	10.0	N/A		
6									
7			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 6/1 (gray) and 7.5YR 6/8 (reddish yellow), low to medium plasticity, soft to firm, moist, Trace fine sand,						
8									
9	9.2	662.9	SILTY LEAN CLAY TRACE GRAVEL, CL, 5YR 6/1 (gray) and 5YR 5/4 (reddish brown), low to medium plasticity, firm, moist, Trace angular chert pebbles.						
10									
11			SILTY LEAN CLAY TRACE GRAVEL, CL, 10YR 7/6 (yellow), low to medium plasticity, soft to firm, moist, Trace angular chert pebbles,						
12									
13									
14	12.5	659.6							
15									
16									
17									
18	18.0	654.1							
19									
20									
21									
22									
23									
24									
25									
26									
27	27.0	645.1							
28									
29									
30									
31									
32									

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

Stantec Boring No. GWA-57
 Boring Location Lat. 34.133192, Long. -84.899584
 Surface Elevation 672.06 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation	Rock Core:		RQD %	Run Ft	Rec. Ft	Rec. %		
32			SILTY LEAN CLAY TRACE GRAVEL, CL, 10YR 7/6 (yellow), low to medium plasticity, soft to firm, moist, Trace angular chert pebbles, (Continued)		RS03E	17.0 - 47.0	23.0	N/A	
33									
34									
35									
36									
37	37.0	635.1							
38			WELL GRADED GRAVEL WITH SILT WITH SAND, GM, 10YR 6/6 (brownish yellow), fine to coarse, loose, wet, Angular chert pebbles.						
39									
40									
41									
42									
43									
44	44.0	628.1							
45			SILTY LEAN CLAY, CL, 10YR 7/2 (light gray), low plasticity, firm to soft, wet						
46									
47									
48									
49									
50									
51									
52	52.0	620.1							
53			Dolomite, light gray to dark gray, microcrystalline, hard, thin to massive bedded, moderately weathered, wet, iron oxide staining, Munsell color N6 to N4	RS04E	47.0 - 57.0	2.0	N/A		
54									
55									
56									
57	57.0	615.1							
58			POORLY GRADED SAND WITH SILT LITTLE GRAVEL, SM, 5YR 6/6 (reddish yellow) and 5YR 7/1 (light gray), fine to medium, Little rounded dolomite and clay stone gravel, pebble to cobble size.						
59									
60									
61									
62									
63									
64									
65									
66									
67									
68	68.0	604.1							
69			Dolomite, light gray, microcrystalline, hard, thin to medium bedded, moderately weathered, wet, iron oxide staining, Munsell color N7						
70									
71									
72	72.0	600.1							

STANTEC 1755 STD, BORING LOGS (1)IGPJ BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWA-57**
 Boring Location Lat. 34.133192, Long. -84.899584
 Surface Elevation 672.06 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
72			Void						
73									
74									
75									
76									
77					RS06E	67.0 - 87.0	5.8	N/A	
78									
79									
80									
81									
82									
83	83.0	589.1							
84			Dolomite, dark gray, microcrystalline, hard, medium bedded, wet, Munsell color N4						
85									
86									
87	87.0	585.1							

No Refusal /
 Bottom of Hole at 87.0 Ft.

Top of Rock = 68.0 Ft.
 Top of Rock Elevation = 604.1 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/16/23</u>	Date Completed: <u>5/18/23</u>
Borehole/Well No: <u>GWA-57</u>	Northing (ft): <u>1504324.3</u>	Easting (ft): <u>2074803.9</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.133192</u>	Longitude: <u>W84.899584</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>672.06</u>	Stickup (ft, ags): <u>3.01</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>87.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>78.0</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>675.07</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>13.65</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>3.01 ft, ags</u>	Stick up: <u>3.01</u> ft, ags
	Ground surface - 0.0'	
		Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>17.0 ft, bgs</u>	Casing Top: <u>3.01</u> ft, ags Bottom: <u>68.0</u> ft, bgs
	Bentonite <u>63.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Top of Screen <u>68.0 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Bottom of screen <u>78.0 ft, bgs</u>	Screen Top: <u>68.0</u> ft, bgs Bottom: <u>78.0</u> ft, bgs
	Top of backfill below filter pack (see notes) <u>79.0 ft, bgs</u>	Sump/end cap Top: <u>78.0</u> ft, bgs Bottom: <u>78.5</u> ft, bgs
	Terminus of borehole <u>87.0 ft, bgs</u>	Grout Quantity: <u>15 gallons</u>
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.0</u> ft, bgs Bottom: <u>17.0</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>17.0</u> ft, bgs Bottom: <u>63.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>59.0</u> ft, bgs Bottom: <u>63.0</u> ft, bgs
		Notes: Cave in 79' - 87'
		14 (50 lb) bags Southern Products Silica GP #1 pack
		- Estimated dry filter pack volume - 2.5 ft ³
		One 50 lb bucket Pel Plug 3/8" coated bentonite pellets
		12 bags (50 lb) Hole Plug bentonite chips, 3/8"
		Backfill below sand pack: n/a
		* Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-26
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.138443, Long. -84.897943</u>
Project Number <u>175569450</u>	Surface Elevation <u>673.15 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>4/18/23</u> Completed <u>4/18/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>18.8 ft</u> Date/Time <u>4/19/23 19:46</u>
Inspector <u>A. Stevens</u> Logger <u>A. Stevens</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler Driller</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	673.2	Top of Hole						
1			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), medium plasticity, firm, dry, no odor, no staining						
2									
3									
4									
5					RS01E	0.0 - 10.0	4.0	N/A	
6									
7									
8									
9									
10									
11	11.5	661.7	SILTY LEAN CLAY LITTLE GRAVEL, CL, 5YR 5/4 (reddish brown) to 5YR 4/6 (yellowish red), medium plasticity, firm, dry, no odor, no staining, Subrounded gravel fragments						
12									
13									
14	14.5	658.7	POORLY GRADED SAND SOME GRAVEL, GP, 5YR 5/8 (yellowish red), medium to coarse, loose, moist, no odor, no staining, weak cementation, poorly graded						
15					RS02E	10.0 - 20.0	6.0	N/A	
16									
17									
18									
19									
20	20.0	653.2	Missing soil, rock hit at 26 ft bgs						
21									
22									
23									
24									
25									
26	26.0	647.2	Dolomite (90%) With Quartzite (10%) Dolomite, light blue gray, moist, iron oxide staining, Munsell color 5B 7/1						
27					RS03E	20.0 - 30.0	2.0	N/A	
28									
29									
30									

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-26**
 Boring Location Lat. 34.138443, Long. -84.897943
 Surface Elevation 673.15 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
30			Dolomite (90%) With Quartzite (10%)						
31									
32			Dolomite, light blue gray, moist, iron oxide staining, Munsell color 5B 7/1 <i>(Continued)</i>						
33									
34									
35					RS04E	30.0 - 40.0	6.5	N/A	
36									
37	37.0	636.2							
38	38.0	635.2	Dolomite, hard, slightly weathered, moist, iron oxide staining, Chert and dolomite						
39			Dolomite, light blue gray, moist, iron oxide staining, Munsell color 5B 7/1 and N7						
40									
41									
42									
43					RS05E	40.0 - 45.0	3.5	N/A	
44									
45	45.0	628.2							

No Refusal /
 Bottom of Hole at 45.0 Ft.

Top of Rock = 26.0 Ft.
 Top of Rock Elevation = 647.2 Ft.

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/18/2023</u>	Date Completed: <u>4/20/2023</u>
Borehole/Well No: <u>GWC-26</u>	Northing (ft): <u>1506231.7</u>	Easting (ft): <u>2075314.3</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.138443</u>	Longitude: <u>W84.897943</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>673.15</u>	Stickup (ft, ags): <u>3.14</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>45.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>39.1</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>676.28</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>20.47</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Andrew Stevens</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>3.14 ft, ags</u>	Stick up: <u>3.14</u> ft, ags
	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
		Casing Top: <u>3.14 ft, ags</u> Bottom: <u>39.1 ft, bgs</u>
	Grout <u>17.5 ft, bgs</u>	Screen Type: <u>U-pack</u>
		Screen Slot Size: <u>0.010"</u>
	2 inch casing	Screen Top: <u>28.7 ft, bgs</u> Bottom: <u>38.7 ft, bgs</u>
	Bentonite Pellets <u>27.0 ft, bgs</u>	Sump/end cap Top: <u>38.7 ft, bgs</u> Bottom: <u>39.1 ft, bgs</u>
	27.0 ft bgs Filter pack	Grout Quantity: <u>60 gallons</u>
	Top of Screen <u>28.7 ft, bgs</u>	Grout Type: <u>Aquaguard</u>
	0.010" Slot screen	Grout Top: <u>0.0 ft, bgs</u> Bottom: <u>17.5 ft, bgs</u>
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>17.5 ft, bgs</u> Bottom: <u>27.0 ft, bgs</u>
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>27.0 ft, bgs</u> Bottom: <u>45.0 ft, bgs</u>
	Bottom of screen <u>38.7 ft, bgs</u>	Notes:
	39.1 ft, bgs Sump/end cap	<u>4 (50 lb) bags Southern Products Silica GP #1 pack</u>
	Top of backfill below filter pack (see notes) <u>45.0 ft, bgs</u>	<u>- Estimated dry filter pack volume - 2.5 ft³</u>
	45.0 ft Base of filter pack	<u>2 50 lb bucket Pel Plug 3/8" coated bentonite pellets</u>
		<u>1 bags (50 lb) Hole Plug bentonite chips, 3/8"</u>
	Terminus of borehole <u>45.0 ft, bgs</u>	<u>Backfill below sand pack: n/a</u>
		<u>* Grout mixed to manufacturers recommendations</u>

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-27
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.137919, Long. -84.897363</u>
Project Number <u>175569450</u>	Surface Elevation <u>673.21 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>4/21/23</u> Completed <u>4/21/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>19.2 ft</u> Date/Time <u>4/21/23 19:47</u>
Inspector <u>A. Stevens</u> Logger <u>A. Stevens</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	673.2	Top of Hole						
1			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), low to medium plasticity, firm to soft, dry, no odor, no staining, Courser grained sediments more prevalent the deeper in the layer (fining upward)						
2									
3									
4									
5									
6				RS01E		0.0 - 10.0	10.0	N/A	
7									
8									
9									
10									
11									
12	12.0	661.2							
13			SILTY LEAN CLAY, CL, 5YR 5/4 (reddish brown) to 5YR 4/6 (yellowish red), non to low plasticity, very soft, dry, no odor, no staining, Subrounded gravel fragments						
14	14.0	659.2							
15			SILTY LEAN CLAY, CL, 5YR 5/4 (reddish brown) to 5YR 4/6 (yellowish red), medium plasticity, firm, moist, no odor, no staining, Subrounded gravel fragments						
16	15.5	657.7		RS02E		10.0 - 20.0	7.0	N/A	
17									
18			POORLY GRADED SAND SOME GRAVEL, GP, 5YR 5/8 (yellowish red), medium to coarse, medium plasticity, loose, moist, no odor, no staining, weak cementation, poorly graded						
19									
20	20.0	653.2							
21			POORLY GRADED SAND WITH GRAVEL, GP, 5YR 5/8 (yellowish red), medium to coarse, medium plasticity, loose, wet, no odor, no staining, weak cementation, poorly graded, Chert, dolomite and quartzite pebbles						
22									
23									
24									
25	25.0	648.2		RS03E		20.0 - 25.0	3.0	N/A	

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-27
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.137919, Long. -84.897363 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 673.21 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
25			Dolomite, light blue gray, moist, Munsell color 5B 7/1		RS04E	25.0 - 30.0	1.5	N/A	
26									
27									
28									
29									
30									
31	642.2								
32			2 voids both roughly 8 inches thick, dolomite fragments found at top of run						two fractures between 31-34 ft
33									
34	639.2								
35			Dolomite, light blue gray, moist, Munsell color 5B 7/1		RS05E	30.0 - 40.0	3.0	N/A	
36									
37	636.2								
38	635.2								
39			Dolomite (70%) With Limestone (30%)						
40	633.2		Dolomite, light blue gray to light gray, microcrystalline, very hard, Munsell color 5B 7/1 to N7						
41									
42			No recovery		RS06E	40.0 - 44.0	0.0	N/A	no recovery
43									
44	629.2								

No Refusal /
Bottom of Hole at 44.0 Ft.

Top of Rock = 25.0 Ft.
Top of Rock Elevation = 648.2 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/21/2023</u>	Date Completed: <u>4/23/2023</u>
Borehole/Well No: <u>GWC-27</u>	Northing (ft): <u>1506039.7</u>	Easting (ft): <u>2075488.4</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.137919</u>	Longitude: <u>W84.897363</u>
Plant Address: <u>317 Covered Bridge Rd, Euahlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>673.21</u>	Stickup (ft, ags): <u>2.64</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>44.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>42.5</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>675.852</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>20.63</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Andrew Stevens</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.64 ft, ags</u>	Stick up: <u>2.64</u> ft, ags
	Ground surface - 0.0'	
	Grout <u>18.9 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite Pellets <u>29.9 ft, bgs</u>	Casing Top: <u>2.64</u> ft, ags Bottom: <u>42.5</u> ft, bgs
	Top of Screen <u>32.1 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Bottom of screen <u>42.1 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Top of backfill below filter pack (see notes) <u>44.0 ft, bgs</u>	Screen Top: <u>32.1</u> ft, bgs Bottom: <u>42.1</u> ft, bgs
	Terminus of borehole <u>44.0 ft, bgs</u>	Sump/end cap Top: <u>42.1</u> ft, bgs Bottom: <u>42.5</u> ft, bgs
		Grout Quantity: <u>40</u> gallons
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.0</u> ft, bgs Bottom: <u>18.9</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>18.9</u> ft, bgs Bottom: <u>29.9</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>29.9</u> ft, bgs Bottom: <u>44.0</u> ft, bgs
		Notes: 4 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume - 2.5 ft ³ 1 50 lb bucket Pel Plug 3/8" coated bentonite pellets 2 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-27R
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.137872, Long. -84.897296</u>
Project Number <u>175569450</u>	Surface Elevation <u>673.29 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/2/23</u> Completed <u>5/3/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>19.1 ft</u> Date/Time <u>5/3/23 08:45</u>
Inspector <u>J. Massey</u> Logger <u>J. Massey</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Myer</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	673.3	Top of Hole						
1			SILTY LEAN CLAY, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), low to medium plasticity, soft to firm, dry						
2									
3									
4									
5					RS01E	0.0 - 10.0	10.0	N/A	
8	8.0	665.3	CLAYEY SILT WITH SAND, ML, 7.5YR 5/6 (strong brown) to 5YR 4/6 (yellowish red), low plasticity, dry, Interbedded layers with yellow brown fine sand; trace subrounded gravel						
9									
10									
13	13.0	660.3	CLAYEY SILTY SAND, ML, 10YR 6/6 (brownish yellow) with 7.5YR 6/6 (reddish yellow), fine to medium, dry to moist, Laminated, poorly graded, Tan medium plastic clay; trace subrounded gravel						
14									
15					RS02E	10.0 - 20.0	10.0	N/A	
16									
18	18.0	655.3	SANDY WELL GRADED GRAVEL, GW, 5YR 5/8 (yellowish red), fine to coarse, very loose, moist, well graded						
19									
20	20.0	653.3							

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-27R**
 Boring Location Lat. 34.137872, Long. -84.897296
 Surface Elevation 673.29 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
20									
21	652.3		Dolomite, light gray to light blue, finely crystalline, moderately hard, massive bedded, slightly weathered to moderately weathered, iron oxide staining, Munsell 5B 7/1; small voids noted						void from 21 to 30
22			Void						
23									
24									
25					RS03E	20.0 - 30.0	2.0	N/A	
26									
27									
28									
29									
30	643.3								
31	642.3		Dolomite, light gray to light blue, finely crystalline, moderately hard, massive bedded, slightly weathered to moderately weathered, iron oxide staining, Munsell 5B 7/1; small voids noted						void from 31 to 33, 35 to 37, 38 to 39
32			Void						
33	640.3								
34			Dolomite, light gray to light blue, finely crystalline, moderately hard, massive bedded, Munsell 5B 7/1, fracture filling						
35	638.3		Void		RS04E	30.0 - 40.0	2.5	N/A	
36									
37	636.3								
38	635.3		Dolomite, light gray to light blue, finely crystalline, hard, massive bedded, slightly weathered, Munsell 5B 7/1; fracture filling						
39	634.3		Void						
40			Dolomite, light gray, finely crystalline, hard, iron oxide staining, Munsell 5B 7/1; occasional maroon chert fragments and cherty dolostone						
41									
42									
43									
44									
45									

STANTEC 1755 STD BORING LOGS (1)GPIJ BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWC-27R
 Boring Location Lat. 34.137872, Long. -84.897296
 Surface Elevation 673.29 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
45			Dolomite, light gray, finely crystalline, hard, iron oxide staining, Munsell 5B 7/1; occasional maroon chert fragments and cherty dolostone <i>(Continued)</i>		RS05E	40.0 - 50.0	9.0	N/A	iron oxide staining at end of run 5
46									
47									
48									
49									
50	50.0	623.3	Dolomite, light gray, finely crystalline, hard to very hard, Munsell 5B 7/1; occasional maroon chert fragments and cherty dolostone, fracture fill						
51									
52									
53									
54									
55					RS06E	50.0 - 60.0	9.5	N/A	
56									
57									
58									
59									
60									
61									
62									
63									
64									
65					RS07E	60.0 - 70.0	6.0	N/A	
66									
67									
68									
69									
70									

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWC-27R
 Boring Location Lat. 34.137872, Long. -84.897296
 Surface Elevation 673.29 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
70			Dolomite, light gray, finely crystalline, hard to very hard, Munsell 5B 7/1; occasional maroon chert fragments and cherty dolostone, fracture fill <i>(Continued)</i>						chert, slow drilling
71									
72									
73									
74									
75				RS08E	70.0 - 80.0	8.0	N/A		
76									
77									
78								Iron staining	
79	79.0	594.3	Dolomite, light gray, finely crystalline, hard to very hard, iron oxide staining, Munsell 5B 7/1; trace cherty dolostone						
80									
81									
82									
83									
84									
85				RS09E	80.0 - 90.0	9.0	N/A		
86									
87									
88									
89									
90	90.0	583.3							

 No Refusal /
 Bottom of Hole at 90.0 Ft.

 Top of Rock = 20.0 Ft.
 Top of Rock Elevation = 653.3 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (I)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/2/2023</u>	Date Completed: <u>5/5/2023</u>
Borehole/Well No: <u>GWC-27R</u>	Northing (ft): <u>1506022.3</u>	Easting (ft): <u>2075508.5</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.137872</u>	Longitude: <u>W84.897296</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>673.29</u>	Stickup (ft, ags): <u>2.88</u>
Goals/Task: <u>Groundwater Investigation</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>89.5</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>88.7</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>676.17</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>19.09</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Josh Massey</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
—	Stick up <u>2.88 ft, ags</u>	Stick up: <u>2.88</u> ft, ags
—	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>17.7 ft, bgs</u>	Casing Top: <u>2.88</u> ft, ags Bottom: <u>78.3</u> ft, bgs
	2 inch casing	Screen Type: <u>U-pack</u>
	Bentonite <u>75.4 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	75.4 ft bgs Filter pack	Screen Top: <u>78.3</u> ft, bgs Bottom: <u>88.3</u> ft, bgs
	Top of Screen <u>78.3 ft, bgs</u>	Sump/end cap Top: <u>88.3</u> ft, bgs Bottom: <u>88.7</u> ft, bgs
	0.010" Slot screen	Grout Quantity: <u>60</u> gallons
	88.7 ft, bgs Sump/end cap	Grout Type: <u>Aquaguard</u>
	89.5 ft bgs Filter pack	Grout Top: <u>0.3</u> ft, bgs Bottom: <u>17.7</u> ft, bgs
	Terminus of borehole <u>89.5 ft, bgs</u>	Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>17.7</u> ft, bgs Bottom: <u>75.4</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products GP #1</u>
		Filter Pack: Top: <u>75.4</u> ft, bgs Bottom: <u>89.5</u> ft, bgs
		Notes:
		4 (50 lb) bags Southern Products Silica GP #1 pack
		- Estimated dry filter pack volume ~2.0 ft ³
		- Estimated dry filter pack volume ~ 2.5 ft ³
		12 (50 lb) bags Hole Plug bentonite chips, 3/8"
		Backfill below sand pack: n/a
		* Grout mixed to manufacturers recommendations



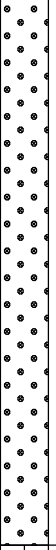

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-28
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.137270, Long. -84.896520</u>
Project Number <u>175569450</u>	Surface Elevation <u>672.82 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>4/19/23</u> Completed <u>4/19/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>19.2 ft</u> Date/Time <u>4/20/23 19:47</u>
Inspector <u>A. Stevens</u> Logger <u>A. Stevens</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u> Approved By <u>C. Sutherland</u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	672.8	Top of Hole						
			LEAN CLAY, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), medium to high plasticity, firm, dry, no odor, no staining						
5					RS01E	0.0 - 10.0	5.5	N/A	
9	8.7	664.1	SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), non to low plasticity, firm, dry, no odor, no staining						

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-28**
 Boring Location Lat. 34.137270, Long. -84.896520
 Surface Elevation 672.82 ft Elevation Datum NAVD88

Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation		Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
11		 SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), non to low plasticity, firm, dry, no odor, no staining <i>(Continued)</i>						
12								
13								
14								
14.5	658.3							
14.9	657.9							
15		 Dolomite, light blue gray, moist, Munsell color 5B 7/1		RS02E	10.0 - 20.0	7.5	N/A	
16		 POORLY GRADED SAND SOME GRAVEL, GP, 5YR 5/8 (yellowish red), medium to coarse, medium plasticity, loose, moist, no odor, no staining, weak cementation, poorly graded						
17								
18								
19								
20	652.8							
21		Dolomite (50%) With Quartzite (50%) Dolomite, light blue gray with pale yellow orange, very coarsely crystalline, moderately hard, slightly weathered, damp, no odor, iron oxide staining, Rounded quartzite pebbles with iron staining 23-25 feet, Munsell color 5B 7/1 to 10YR 8/6						
22								
23								
24	648.8	 Quartzite, Quarzite filled void						

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-28
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.137270, Long. -84.896520 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.82 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
25			Quartzite, Quarzite filled void <i>(Continued)</i>		RS03E	20.0 - 30.0	6.0	N/A		
26	26.0	646.8	Dolomite, light blue gray, moist, Munsell color 5B 7/1							
27	27.0	645.8		light blue gray, moist, Void 27-28 ft, Munsell color 5B 7/1						
28	28.0	644.8	Dolomite, light blue gray, microcrystalline, soft, slightly weathered, damp, Munsell color 5B 7/1, iron staining and calcite veins 30-35 feet							
29										
30										
31										
32										
33						RS04E	30.0 - 35.0	2.0	N/A	
34										
35										
36										
37										
38	38.0	634.8			RS05E	35.0 - 40.0	3.0	N/A		

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-28
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.137270, Long. -84.896520 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.82 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
39			Dolomite (70%) With Limestone (30%)						
40	40.0	632.8	Dolomite, light blue gray to light gray, microcrystalline, very hard, Munsell color N7 to 5B 7/1 <i>(Continued)</i>						
41			Dolomite (50%) With Quartzite (50%)						
42			Dolomite, light blue gray with pale brown, very coarsely crystalline, moderately hard, slightly weathered, damp, no odor, iron oxide staining, Rounded quartzite pebbles with iron staining 40-42 feet. Dolomite Munsell color (5B 7/1) quartzite color (10YR 8/2)						
43					RS06E	40.0 - 45.0	2.5	N/A	
44									
45	45.0	627.8							

No Refusal /
Bottom of Hole at 45.0 Ft.

Top of Rock = 20.0 Ft.
Top of Rock Elevation = 652.8 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0,GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/20/2023</u>	Date Completed: <u>4/22/2023</u>
Borehole/Well No: <u>GWC-28</u>	Northing (ft): <u>1505801.7</u>	Easting (ft): <u>2075741.9</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.137270</u>	Longitude: <u>W84.896520</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>672.82</u>	Stickup (ft, ags): <u>2.48</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>45.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>44.7</u>
Drilling Equipment/Rig Type: <u>TSi 150CC</u>	Top of Casing elev (ft): <u>675.30</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>19.3</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Andrew Stevens</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.48 ft, ags</u>	Stick up: <u>2.48</u> ft, ags
	Ground surface - 0.0'	
	Grout <u>17.1 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite Pellets <u>31.9 ft, bgs</u>	Casing Top: <u>2.48</u> ft, ags Bottom: <u>34.3</u> ft, bgs
	Top of Screen <u>34.3 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Bottom of screen <u>44.3 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Top of backfill below filter pack (see notes) <u>45.0 ft, bgs</u>	Screen Top: <u>34.3</u> ft, bgs Bottom: <u>44.3</u> ft, bgs
	Terminus of borehole <u>45.0 ft, bgs</u>	Sump/end cap Top: <u>44.3</u> ft, bgs Bottom: <u>44.7</u> ft, bgs
		Grout Quantity: <u>60</u> gallons
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.0</u> ft, bgs Bottom: <u>17.1</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>17.1</u> ft, bgs Bottom: <u>31.9</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>31.9</u> ft, bgs Bottom: <u>45.0</u> ft, bgs
		Notes: 3.5 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume - 2.5 ft ³ 1 50 lb bucket Pel Plug 3/8" coated bentonite pellets 2 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-29
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.136471, Long. -84.896086</u>
Project Number <u>175569450</u>	Surface Elevation <u>676.13 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>4/23/23</u> Completed <u>4/24/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>22.3 ft</u> Date/Time <u>4/24/23 11:28</u>
Inspector <u>A. Stevens</u> Logger <u>A. Stevens</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u> Approved By <u>C. Sutherland</u>	

Depth Ft ²	Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	676.1	Top of Hole						
0.5	675.6		LEAN CLAY, OL/OH, 5YR 4/4 (reddish brown) to 10YR 2/2 (very dark brown), medium to high plasticity, dry, no odor, no staining						
1			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown), non to low plasticity, firm to soft, dry, no odor, no staining						
2									
3									
4									
5									
6.0	670.1		FAT CLAY TRACE SILT, CH, 10R 4/8 (red), high plasticity, firm, dry		RS01E	0.0 - 10.0	10.0	N/A	
7			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown), non to low plasticity, firm to soft, dry, no odor, no staining						
8									
9									
10									
11									
12									
13									
14									
15									
16									
17.0	659.1		FAT CLAY TRACE SILT, CH, 10R 4/8 (red), high plasticity, firm, dry		RS02E	10.0 - 20.0	10.0	N/A	
18			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown), non to low plasticity, firm to soft, dry, no odor, no staining						
19.0	657.1								
20.0	656.1								
20			FAT CLAY TRACE SILT, CH, 10R 4/8 (red), high plasticity, firm, dry						soft zone til 24 feet
21									
22			Soft zone 20-24, lost run near to of rock at 33 ft bgs						
23									
24									
25					RS03E	20.0 - 30.0	0.0	N/A	
26									
27									
28									
29									
30									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RLOGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-29**
 Boring Location Lat. 34.136471, Long. -84.896086
 Surface Elevation 676.13 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
30			Soft zone 20-24, lost run near to of rock at 33 ft bgs (Continued)						voids/fractures from 33-41
31									
32									
33	643.1								
34			No recovery, fractured zone and/or voids from 33-41 feet bgs. Weight of sample barrel core dropped from 40-41 feet after the 30-40 RS04 run.	RS04E	30.0 - 40.0	0.0	N/A		
35									
36									
37									
38									
39									
40									
41	635.1								
42			Rock but no recovery						
43									
44									
45									
46	630.1								
47			Void	RS05E	40.0 - 55.0	0.0	N/A		
48									
49									
50									
51									
52									
53									
54									
55	621.1								
56			Dolomite, light blue gray, finely crystalline to microcrystalline, very hard, calcareous, Munsell color: 5B 7/1	RS06E	55.0 - 60.0	0.5	N/A		
57									
58									
59									
60	616.1								

 No Refusal /
 Bottom of Hole at 60.0 Ft.

 Top of Rock = 33.0 Ft.
 Top of Rock Elevation = 643.1 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/24/2023</u>	Date Completed: <u>5/1/2023</u>
Borehole/Well No: <u>GWC-29</u>	Northing (ft): <u>1505509.8</u>	Easting (ft): <u>2075871.2</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.136471</u>	Longitude: <u>W84.896086</u>
Plant Address: <u>317 Covered Bridge Rd, Euaharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>676.13</u>	Stickup (ft, ags): <u>3.15</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>60.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>58.2</u>
Drilling Equipment/Rig Type: <u>TSi 150CC</u>	Top of Casing elev (ft): <u>679.29</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>24.01</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Andrew Stevens</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>3.15 ft, ags</u>	Stick up: <u>3.15</u> ft, ags
	Ground surface - 0.0'	
	Grout <u>21.7 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite Pellets <u>44.1 ft, bgs</u>	Casing Top: <u>3.15</u> ft, ags Bottom: <u>58.2</u> ft, bgs
	Top of Screen <u>47.8 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Bottom of screen <u>57.8 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Top of backfill below filter pack (see notes) <u>NA</u>	Screen Top: <u>47.8</u> ft, bgs Bottom: <u>57.8</u> ft, bgs
	Terminus of borehole <u>60.0 ft, bgs</u>	Sump/end cap Top: <u>57.8</u> ft, bgs Bottom: <u>58.2</u> ft, bgs
		Grout Quantity: <u>100</u> gallons
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.3</u> ft, bgs Bottom: <u>21.7</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>21.7</u> ft, bgs Bottom: <u>44.1</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>44.1</u> ft, bgs Bottom: <u>60.0</u> ft, bgs
		Notes: <u>27 (50 lb) bags Southern Products Silica GP #1 pack</u> <u>- Estimated dry filter pack volume - 2.5 ft³</u> <u>17 50 lb bucket Pel Plug 3/8" coated bentonite pellets</u> <u>1 bags (50 lb) Hole Plug bentonite chips, 3/8"</u> <u>Backfill below sand pack: NA</u> <u>* Grout mixed to manufacturers recommendations</u>

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-29R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.136405, Long. -84.896094 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 676.22 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 5/4/23 </u> Completed <u> 5/8/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 25.8 ft </u> Date/Time <u> 5/9/23 09:34 </u>
Inspector <u> G. Robertson </u> Logger <u> G. Robertson </u>	Depth to Water <u> N/A </u> Date/Time <u> N/A </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Prosonic SR120 </u> Driller <u> M. Herron </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
0	0.0	676.2	Top of Hole							
1			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/6 (yellowish red), low plasticity, firm, moist							
2										
3										
4					RS01E	0.0 - 7.0	4.5	N/A		
5										
6										
7										
8										
9										
10										
11										
12	12.2	664.0		SILTY POORLY GRADED SAND LITTLE CLAY, SM, 5YR 6/6 (reddish yellow), medium dense						
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	21.5	654.7	WELL GRADED GRAVEL WITH SILT WITH SAND, GM, 5YR 5/8 (yellowish red), fine to coarse, Graveo ((pebble to cobble, rounded, quartzite and other), with fine to coarse sand, silt, little clay.							
23										
24										
25										
26										
27										
28										
29										
30	29.0	647.2		Dolomite, pale gray, microcrystalline, soft, highly weathered, dry						
31										
32										
33										
34			Dolomite, light gray, microcrystalline, hard, slightly weathered, wet, iron oxide staining	RS04E	27.0 - 33.0	2.5	N/A			

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-29R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.136405, Long. -84.896094 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 676.22 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
34			Dolomite, light gray, microcrystalline, hard, slightly weathered, wet, iron oxide staining <i>(Continued)</i>		RS05E	33.0 - 37.0	3.5	N/A	
35									
36	36.6	639.6							
37			Dolomite, light gray, microcrystalline, hard, thin, slightly weathered, wet, iron oxide staining, With intercalated chert		RS06E	37.0 - 47.0	6.2	N/A	
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50	50.0	626.2							
51			Dolomite, gray, microcrystalline, hard, medium bedded to massive bedded, slightly weathered, wet, iron oxide staining, Occasional iron oxide staining.		RS07E	47.0 - 57.0	5.7	N/A	
52									
53									
54									
55									
56									
57									
58									
59									
60									
61									
62			Dolomite, gray, microcrystalline, very hard, slightly weathered, wet, horizontal, Chert intercalations, fractures 2" to 8" vertical spacing, some calcite and dolomite filled veins. Clay filled void 78.5-79'.		RS08E	57.0 - 67.0	6.2	N/A	
63									
64									
65									
66									
67									
68	68.5	607.7							
69									
70			Dolomite, gray, microcrystalline, very hard, slightly weathered, wet, horizontal, Chert intercalations, fractures 2" to 8" vertical spacing, some calcite and dolomite filled veins. Clay filled void 78.5-79'.		RS09E	67.0 - 77.0	10.0	N/A	
71									
72									
73									
74									
75									
76									

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-29R**
 Boring Location Lat. 34.136405, Long. -84.896094
 Surface Elevation 676.22 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
77			Dolomite, gray, microcrystalline, very hard, slightly weathered, wet, horizontal, Chert intercalations, fractures 2" to 8" vertical spacing, some calcite and dolomite filled veins. Clay filled void 78.5-79'. <i>(Continued)</i>							
78										
79										
80										
81										
82					RS10E	77.0 - 87.0	4.6	N/A		
83	83.0	593.2								
84			Dolomite, light gray, microcrystalline, hard, thin, slightly weathered, wet, iron oxide staining, pyritic, Iron oxide staining along fractures and occasional pyrite.							
85										
86										
87										
88	88.5	587.7								
89			Dolomite, light gray, microcrystalline, very hard, medium bedded, slightly weathered, wet, With chert		RS11E	87.0 - 92.0	5.0	N/A		
90										
91	91.5	584.7								
92	92.0	584.2								
93			Dolomite, light gray, microcrystalline, hard, thin bedded, iron oxide staining, Iron oxide staining along apparent fractures							
94										
95			Dolomite, light gray to gray, microcrystalline, very hard, thin bedded to medium bedded, slightly weathered, wet, With chert		RS12E	92.0 - 97.0	0.0	N/A		
96										
97										
98										
99										
100										
101	101.3	574.9								
102			Dolomite, light gray, microcrystalline, hard, thin bedded, wet, iron oxide staining, Iron oxide staining 101-104 and 106-107'		RS13E	97.0 - 107.0	8.0	N/A		
103										
104										
105										
106										
107	107.0	569.2								

No Refusal /
Bottom of Hole at 107.0 Ft.

Top of Rock = 23.5 Ft.
Top of Rock Elevation = 652.7 Ft.

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/4/23</u>	Date Completed: <u>5/15/23</u>
Borehole/Well No: <u>GWC-29R</u>	Northing (ft): <u>1505485.9</u>	Easting (ft): <u>2075868.3</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.136405</u>	Longitude: <u>W84.896094</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>676.22</u>	Stickup (ft, ags): <u>2.90</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>107.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>106.0</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>679.12</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>25.79</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.90 ft, ags</u>	Stick up: <u>2.90</u> ft, ags
	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	
	Grout <u>24.0 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite <u>91.0 ft, bgs</u>	Casing Top: <u>2.90</u> ft, ags Bottom: <u>96.0</u> ft, bgs
	Top of Screen <u>96.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
	2 inch casing	Screen Slot Size: <u>0.010"</u>
	91.0 ft bgs Filter pack	Screen Top: <u>96.0</u> ft, bgs Bottom: <u>106.0</u> ft, bgs
	0.010" Slot screen	Sump/end cap Top: <u>106.0</u> ft, bgs Bottom: <u>106.5</u> ft, bgs
	Bottom of screen <u>106.0 ft, bgs</u>	Grout Quantity: <u>99 gallons</u>
	106.5 ft, bgs Sump/end cap	Grout Type: <u>Aquaguard</u>
	Top of backfill below filter pack (see notes) <u>106.0 ft, bgs</u>	Grout Top: <u>4.0</u> ft, bgs Bottom: <u>24.0</u> ft, bgs
	Terminus of borehole <u>107.0 ft, bgs</u>	Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
	107.0 ft, bgs Base of filter pack	Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>86.0</u> ft, bgs Bottom: <u>91.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>91.0</u> ft, bgs Bottom: <u>106.0</u> ft, bgs
		Notes: 4.5 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume - 2.5 ft ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets 13 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-30
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.135636, Long. -84.896143 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 681.86 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 4/24/23 </u> Completed <u> 4/25/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 29.4 ft </u> Date/Time <u> 4/25/23 </u>
Inspector <u> G. Robertson </u> Logger <u> G. Robertson </u>	Depth to Water <u> N/A </u> Date/Time <u> N/A </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Prosonic SR120 </u> Driller <u> M. Herron </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	681.9	Top of Hole						
1			SILTY LEAN CLAY WITH SAND, CL, 5YR 3/4 (dark reddish brown), low plasticity, firm, wet						
2									
3									
4				RS01E	0.0 - 7.0	7.0	N/A		
5	5.0	676.9	SANDY LEAN CLAY WITH SILT, CL, 5YR 5/8 (yellowish red), low plasticity, firm, moist						
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16	15.5	666.4	CLAYEY SILTY SAND, SM, 5YR 5/6 (yellowish red), fine, medium dense, moist						
17									
18									

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-30**
 Boring Location Lat. 34.135636, Long. -84.896143
 Surface Elevation 681.86 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
18			CLAYEY SILTY SAND, SM, 5YR 5/6 (yellowish red), fine, medium dense, moist <i>(Continued)</i>						
19									
20									
21									
22					RS03E	17.0 - 27.0	9.0	N/A	
23	23.0	658.9							
24			SILTY POORLY GRADED SAND WITH CLAY WITH GRAVEL, SM, 10YR 4/4 (dark yellowish brown), fine, loose, wet, Pebble to cobble size chert gravel						
25									
26									
27			Dolomite, light gray, microcrystalline, hard, slightly weathered, wet, iron oxide staining						
28									
29									
30									
31									
32	32.0	649.9			RS04E	27.0 - 37.0	8.5	N/A	
33			Dolomite, gray, microcrystalline, hard, slightly weathered						
34									
35									
36									
37									
38	38.0	643.9							
39			Dolomite, gray, microcrystalline, hard, slightly weathered, wet						
40									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-30
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.135636, Long. -84.896143 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 681.86 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
41			Dolomite, gray, microcrystalline, hard, slightly weathered, wet <i>(Continued)</i>						
42				RS05E	37.0 - 47.0	10.0	N/A		
43									
44									
45									
46	46.0	635.9	Dolomite, gray, microcrystalline, hard, slightly weathered, wet, iron oxide staining						
47									
48				RS06E	47.0 - 50.0	1.0	N/A		
49									
50	50.0	631.9							

No Refusal /
Bottom of Hole at 50.0 Ft.

Top of Rock = 26.5 Ft.
Top of Rock Elevation = 655.4 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/24/23</u>	Date Completed: <u>4/25/23</u>
Borehole/Well No: <u>GWC-30</u>	Northing (ft): <u>1505206.2</u>	Easting (ft): <u>2075851.5</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.135636</u>	Longitude: <u>W84.896143</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>681.86</u>	Stickup (ft, ags): <u>3.15</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>50.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>48.0</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>685.00</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>29.38</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>3.10 ft, ags</u>	Stick up: <u>3.10</u> ft, ags
	Ground surface - 0.0'	
		Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>23.0 ft, bgs</u>	Casing Top: <u>3.10</u> ft, ags Bottom: <u>38.0</u> ft, bgs
	Bentonite <u>34.5 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Top of Screen <u>38.0 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Bottom of screen <u>48.0 ft, bgs</u>	Screen Top: <u>38.0</u> ft, bgs Bottom: <u>48.0</u> ft, bgs
	Top of backfill below filter pack (see notes) <u>50.0 ft, bgs</u>	Sump/end cap Top: <u>48.0</u> ft, bgs Bottom: <u>48.5</u> ft, bgs
	Terminus of borehole <u>50.0 ft, bgs</u>	Grout Quantity: <u>60 gallons</u>
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.1</u> ft, bgs Bottom: <u>23.0</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>23.0</u> ft, bgs Bottom: <u>34.5</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>34.5</u> ft, bgs Bottom: <u>50.0</u> ft, bgs
		Notes: Five (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume ~ 2.5 ft ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets Two bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations




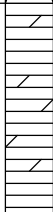
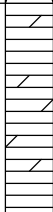
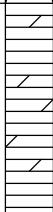
Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-31
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.134870, Long. -84.896251</u>
Project Number <u>175569450</u>	Surface Elevation <u>680.20 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/5/23</u> Completed <u>5/6/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>27.8 ft</u> Date/Time <u>5/7/23 12:50</u>
Inspector <u>J. Massey</u> Logger <u>J. Massey</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Myer</u>	Approved By <u>C. Sutherland</u>

Depth Ft ²	Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	680.2	Top of Hole						
1			Topsoil						
2	2.0	678.2							
3			SILTY LEAN CLAY, CL, 2.5YR 4/4 (reddish brown) to 10R 4/4 (weak red), low plasticity, soft to firm, moist, Homogeneous	RS01E	0.0 - 9.0	6.0	N/A		
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14	14.0	666.2							
15			SILTY LEAN CLAY, CL-ML, 5YR 4/6 (yellowish red), low plasticity, firm, moist	RS02E	9.0 - 20.0	11.0	N/A		
16									
17									
18	18.0	662.2							
19			CLAYEY SILTY SAND WITH GRAVEL, SM, 10YR 6/8 (brownish yellow) with 5YR 5/8 (yellowish red), very fine, loose to medium dense, moist, iron oxide staining, Manganese nodules, mottling	RS03E	20.0 - 30.0	9.0	N/A		
20									
21									
22									
23									
24									
25	25.0	655.2							
26			SANDY WELL GRADED GRAVEL WITH SILT, GW, 2.5Y 7/4 (pale brown) to 10YR 5/6 (yellowish brown), fine to coarse, medium dense, moist, gap graded, Quartzite gravel; brown coarse sand zone with angular dolostone gravel at 29 to 30 feet bgs.						
27									
28									
29									
30	30.0	650.2							
31			SILTY WELL GRADED GRAVEL, GW-GM, 10YR 6/8 (brownish yellow), fine to coarse, loose, moist to wet, gap graded, Residium containing subrounded quartzite pebbles and cherty dolomite fragments						soft zone at 34 to 40
32									
33									
34									
35									

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

Stantec Boring No. **GWC-31**
 Boring Location Lat. 34.134870, Long. -84.896251
 Surface Elevation 680.20 ft Elevation Datum NAVD88

Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation		Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
35		 SILTY WELL GRADED GRAVEL, GW-GM, 10YR 6/8 (brownish yellow), fine to coarse, loose, moist to wet, gap graded, Residuum containing subrounded quartzite pebbles and cherty dolomite fragments <i>(Continued)</i>		RS04E	30.0 - 40.0	6.0	N/A	void 40-50
36								
37								
38								
39	40.0	640.2						
40		Void						
41		 WELL GRADED GRAVEL WITH CLAY, GC, 10YR 6/8 (brownish yellow) with 5YR 6/8 (reddish yellow), fine to coarse, very loose to medium dense, wet, well graded		RS05E	40.0 - 50.0	0.0	N/A	void 55 to 59
42								
43								
44								
45								
46								
47		 Dolomite, dark gray with light white, finely crystalline to microcrystalline, hard, massive bedded, slightly weathered, Munsell N3; abundant fracture filling, recrystallization; pyrite replacement nodules		RS06E	50.0 - 60.0	4.0	N/A	
48								
49	50.0	630.2						
50		 Dolomite, dark gray with light white, finely crystalline to microcrystalline, hard, thin to massive bedded, Munsell N3; thin bedding at 60 feet bgs; abundant fracture filling, recrystallization; pyrite replacement nodules						
51								
52								
53								
54	54.0	626.2						
55	55.0	625.2						
56		Void						
57		 Dolomite, dark gray with light white, finely crystalline to microcrystalline, hard, thin to massive bedded, Munsell N3; thin bedding at 60 feet bgs; abundant fracture filling, recrystallization; pyrite replacement nodules						
58								
59	59.0		621.2					
60								
61								
62		 Dolomite, dark gray with light white, finely crystalline to microcrystalline, hard, thin to massive bedded, Munsell N3; thin bedding at 60 feet bgs; abundant fracture filling, recrystallization; pyrite replacement nodules		RS07E	60.0 - 70.0	7.0	N/A	
63								
64								
65								
66								
67								
68								
69								
70	70.0	610.2						

No Refusal /
 Bottom of Hole at 70.0 Ft.

Top of Rock = 54.0 Ft.
 Top of Rock Elevation = 626.2 Ft.

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/6/2023</u>	Date Completed: <u>5/8/2023</u>
Borehole/Well No: <u>GWC-31</u>	Northing (ft): <u>1504927.6</u>	Easting (ft): <u>2075816.9</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.134870</u>	Longitude: <u>W84.896251</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>680.20</u>	Stickup (ft, ags): <u>2.93</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>70.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>67.2</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>683.13</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>27.75</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Josh Massey</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
—	Stick up <u>2.93 ft, ags</u>	Stick up: <u>2.93</u> ft, ags
—	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>23.4 ft, bgs</u>	Casing Top: <u>2.93</u> ft, ags Bottom: <u>56.8</u> ft, bgs
	2 inch casing	Screen Type: <u>U-pack</u>
	Bentonite <u>53.9 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	53.9 ft, bgs Filter pack	Screen Top: <u>56.8</u> ft, bgs Bottom: <u>66.8</u> ft, bgs
	Top of Screen <u>56.8 ft, bgs</u>	Sump/end cap Top: <u>66.8</u> ft, bgs Bottom: <u>67.2</u> ft, bgs
	0.010" Slot screen	Grout Quantity: <u>33</u> gallons
	67.2 ft, bgs Sump/end cap	Grout Type: <u>Aquaguard</u>
	Terminus of borehole <u>70.0 ft, bgs</u>	Grout Top: <u>0.5</u> ft, bgs Bottom: <u>23.4</u> ft, bgs
		Density Initial: <u>n/a</u> lbs/gal Return: <u>n/a</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>23.4</u> ft, bgs Bottom: <u>53.9</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products GP #1</u>
		Filter Pack: Top: <u>53.9</u> ft, bgs Bottom: <u>70.0</u> ft, bgs
		Notes:
		5 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume ~2.5 ft3
		11 bags (50 lb) Hole Plug bentonite chips, 3/8"
		Backfill below sand pack: n/a
		* Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-31R
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.134941, Long. -84.896243</u>
Project Number <u>175569450</u>	Surface Elevation <u>680.18 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>4/25/23</u> Completed <u>5/3/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>27.3 ft</u> Date/Time <u>5/1/23 15:15</u>
Inspector <u>G. Robertson</u> Logger <u>G. Robertson</u>	Depth to Water <u>23.2 ft</u> Date/Time <u>5/15/23 15:15</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Prosonic SR120</u> Driller <u>M. Herron</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u> Approved By <u>C. Sutherland</u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	680.2	Top of Hole						
1			SILTY LEAN CLAY LITTLE SAND, CL, 10R 3/4 (dusky red), low plasticity, firm, moist						
2									
3	3.0	677.2							
4			SILTY LEAN CLAY LITTLE SAND, CL, 10R 4/6 (red), low plasticity, firm, moist	RS01E		0.0 - 7.0	7.0	N/A	
5									
6									
7									
8									
9									
10									
11									
12				RS02E		7.0 - 17.0	10.0	N/A	
13	13.0	667.2							
14			SILTY POORLY GRADED SAND WITH CLAY, SM, 10R 4/6 (red), fine, medium dense, moist, no staining						
15									
16									
17									
18	18.0	662.2							
19			SANDY WELL GRADED GRAVEL WITH SILT WITH CLAY, GM, 10R 4/6 (red), very fine to coarse, loose, moist						
20	20.0	660.2							

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-31R**
 Boring Location Lat. 34.134941, Long. -84.896243
 Surface Elevation 680.18 ft Elevation Datum NAVD88

Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation		Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
20		SILTY POORLY GRADED SAND WITH CLAY TRACE GRAVEL, SM, 5YR 5/6 (yellowish red), fine, medium dense, moist, 30 to 38' no recovery, soft drilling, possibly gravelly, silty sand.						
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								30 - 38 no recovery, soft zone immedietly above top of bedrock. Possibly gravelly, silty, sand, wet.
31								
32								
33								
34								
35								
36								
37								
38	642.2							
39		Dolomite, hard, No Recovery - based on drilling, believed to be hard, dolomite, wet.						
40	640.2							
41		Void						
42								
43								
44								
45								

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWC-31R
 Boring Location Lat. 34.134941, Long. -84.896243
 Surface Elevation 680.18 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
45			Void (Continued)						
46									
47	47.0	633.2							
48	48.5	631.7	Dolomite, light gray, microcrystalline, hard, massive bedded, slightly weathered, wet, Calcite vein fillings, fractured. Munsell color N7.	RS06E		47.0 - 50.0	3.0	N/A	
49	50.0	630.2	Dolomite, light gray, microcrystalline, hard, massive bedded, moderately weathered, wet, With clay filled voids. Soft reddish brown clay 2.5 YR 5/4, little silt, wet, high plasticity. Munsell color N8.						
50			Dolomite, gray, microcrystalline, very hard, massive bedded, slightly weathered, wet, Calcite vein fillings. Munsell color N7.						
51									
52									
53									
54				RS07E		50.0 - 58.0	2.6	N/A	
55									
56									
57									
58	58.0	622.2							
59			Dolomite, light gray and dark gray, microcrystalline, thin bedded, iron oxide staining, inclined, Appears brecciated; occasional small (1/8" diameter) vugs, some filled with dolomite. Munsell color N3.						
60									
61									
62									
63				RS08E		58.0 - 67.0	2.5	N/A	
64									
65									
66									
67									
68	68.0	612.2							
69			Void						
70									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-31R**
 Boring Location Lat. 34.134941, Long. -84.896243
 Surface Elevation 680.18 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
70			Void (Continued)						
71									
72					RS09E	67.0 - 77.0	0.0	N/A	
73									
74									
75									
76									
77	77.0	603.2	Dolomite, light gray, microcrystalline, hard, thin bedded to medium bedded, slightly weathered, wet, Some calcite veins approximately 1/16" to 1/2" thick. Iron oxide staining along fractures 94' to 96' bgs. Munsell color N7.						
78									
79									
80									
81									
82					RS10E	77.0 - 87.0	4.0	N/A	
83									
84									
85									
86									
87									
88									
89									
90									
91									
92				RS11E	87.0 - 97.0	5.0	N/A		
93									
94									
95									

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-31R**
 Boring Location Lat. 34.134941, Long. -84.896243
 Surface Elevation 680.18 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
95									
96									
97	97.0	583.2							
98			Dolomite, light gray, microcrystalline, hard, thin bedded, moderately weathered, wet, iron oxide staining, Rounded quartzite and subrounded agate/chert pebbles. Munsell color N7						
99									
100									
101									
102					RS12E	97.0 - 107.0	3.0	N/A	
103	103.0	577.2							
104			Void						
105									
106	106.0	574.2							
107	107.0	573.2	Dolomite, light gray, microcrystalline, hard, thin, moderately weathered, wet, iron oxide staining, Munsell color N7						

No Refusal /
Bottom of Hole at 107.0 Ft.

Top of Rock = 38.0 Ft.
Top of Rock Elevation = 642.2 Ft.

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/25/23</u>	Date Completed: <u>5/4/23</u>
Borehole/Well No: <u>GWC-31R</u>	Northing (ft): <u>1504953.4</u>	Easting (ft): <u>2075819.5</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.134941</u>	Longitude: <u>W84.896243</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>680.18</u>	Stickup (ft, ags): <u>2.91</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>107.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>106.5</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>683.09</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>27.31</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	2.91 ft, ags Inch Diameter Protective Cover with Locking Lid Ground surface - 0.0'	Stick up: <u>2.91</u> ft, ags
	Outer casing	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>24.0</u> ft, bgs	Casing Top: <u>2.91</u> ft, ags Bottom: <u>96.0</u> ft, bgs
	2 inch casing	Screen Type: <u>U-pack</u>
	Bentonite <u>90.0</u> ft, bgs	Screen Slot Size: <u>0.010"</u>
	90 Filter pack	Screen Top: <u>96.0</u> ft, bgs Bottom: <u>106.0</u> ft, bgs
	Top of Screen <u>96.0</u> ft, bgs	Sump/end cap Top: <u>106.0</u> ft, bgs Bottom: <u>106.5</u> ft, bgs
	0.010" Slot screen	Grout Quantity: <u>75</u> gallons
	106.5 ft, bgs Sump/end cap	Grout Type: <u>Aquaguard</u>
	107.0 ft, bgs Base of filter pack	Grout Top: <u>2.0</u> ft, bgs Bottom: <u>24.0</u> ft, bgs
	Terminus of borehole <u>107.0</u> ft, bgs	Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>24.0</u> ft, bgs Bottom: <u>90.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>90.0</u> ft, bgs Bottom: <u>106.0</u> ft, bgs
		Notes: 20 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume - 2.5 ft ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets 24 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-32
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.133989, Long. -84.896452</u>
Project Number <u>175569450</u>	Surface Elevation <u>688.93 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/7/23</u> Completed <u>5/8/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>36.1 ft</u> Date/Time <u>5/9/23 13:06</u>
Inspector <u>J. Massey</u> Logger <u>J. Massey</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Myer</u> Approved By <u>C. Sutherland</u>	

Depth Ft ²	Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	688.9	Top of Hole						
1	1.0	687.9	Topsoil						
2			LEAN CLAY, CL, 10R 3/4 (dusky red), low to medium plasticity, firm, dry						
5					RS01E	0.0 - 10.0	4.0	N/A	
8	8.0	680.9	GRAVELLY LEAN CLAY, CL, 2.5YR 4/4 (reddish brown) with 10YR 7/8 (yellow), low plasticity, firm, dry to moist, Basal quartzite, subrounded gravel						
12	12.0	676.9	GRAVELLY LEAN CLAY WITH SAND, SC, 2.5YR 4/4 (reddish brown) to 10YR 7/8 (yellow), very fine to coarse, medium dense, dry to moist, iron oxide staining, Lensed, gap graded, Abundant black heavy mineral replacement nodules						
14	14.0	674.9			RS02E	10.0 - 20.0	9.5	N/A	
15			SILTY WELL GRADED GRAVEL WITH CLAY, GM, 10YR 6/8 (brownish yellow) to 5YR 5/8 (yellowish red), very fine to coarse, medium dense to dense, moist, iron oxide staining, Lensed, well graded, Quartzite and chert gravel						
16									
17									
18									
19									
20									

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-32**
 Boring Location Lat. 34.133989, Long. -84.896452
 Surface Elevation 688.93 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation	Rock Core:		RQD %	Run Ft	Rec. Ft	Rec. %		
20			SILTY WELL GRADED GRAVEL WITH CLAY, GM, 10YR 6/8 (brownish yellow) to 5YR 5/8 (yellowish red), very fine to coarse, medium dense to dense, moist, iron oxide staining, Lensed, well graded, Quartzite and chert gravel <i>(Continued)</i>						
21									
22									
23									
24	664.9		SILTY FAT CLAY SOME GRAVEL, CH, 2.5Y 7/4 (pale brown) with 2.5Y 7/1 (light gray), medium to high plasticity, firm to hard, moist, Blocky, Weathered cherty dolomite, mottled	RS03E	20.0 - 30.0	9.0	N/A		
25									
26									
27	661.9		CLAYEY SILTY SAND LITTLE GRAVEL, SM, 10YR 3/6 (dark yellowish brown) to 2.5Y 8/3 (pale brown), fine to medium, medium dense, moist, iron oxide staining, Lensed, moderately graded, Sand to clay interbedding, mottled						
28									
29									
30	658.9		SILTY FAT CLAY WITH SAND, CH, 10YR 6/8 (brownish yellow) with 2.5Y 7/4 (pale brown), medium plasticity, hard, iron oxide staining, Lensed, Pale tan mottling, interbedded fine sand from weathered dolomite, subangular cherty dolomite gravel	RS04E	30.0 - 34.0	3.0	N/A		
31									
32									
33	655.9		SANDY WELL GRADED GRAVEL WITH CLAY WITH SILT, GW-GM, 10YR 4/6 (dark yellowish brown) with 5Y 6/1 (gray), very fine to coarse, loose, moist, iron oxide staining, Lensed, weak cementation, gap graded, Residuum transitioning to partially weathered top of rock contact						
34	654.9								
35									
36			Dolomite (90%) With Quartzite (10%) Dolomite, dark gray with pale white, finely crystalline to very finely crystalline, hard, massive bedded, slightly weathered to moderately weathered, iron oxide staining, Quartzite gravel at 34 to 35 feet bgs	RS05E	34.0 - 40.0	5.0	N/A		
37									
38									
39									
40									
41									
42	646.9		Void						void
43									
44									
45	643.9								

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-32
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133989, Long. -84.896452 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 688.93 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
45			Dolomite, dark gray to light gray, finely crystalline to very finely crystalline, hard, massive bedded to thin bedded, iron oxide staining, Calcite and dolomite fracture fill, veins, some thin beds		RS06E	40.0 - 50.0	5.0	N/A		
46										
47										
48										
49										
50										
51										
52										
53										
54										
55					RS07E	50.0 - 60.0	8.0	N/A		
56										
57									healed fractures with iron staining	
58										
59										
60	60.0	628.9								

No Refusal /
Bottom of Hole at 60.0 Ft.

Top of Rock = 34.0 Ft.
Top of Rock Elevation = 654.9 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT R0,GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/7/2023</u>	Date Completed: <u>5/9/2023</u>
Borehole/Well No: <u>GWC-32</u>	Northing (ft): <u>1504607.5</u>	Easting (ft): <u>2075753.7</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.133989</u>	Longitude: <u>W84.896452</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>688.93</u>	Stickup (ft, ags): <u>3.25</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>60.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>59.0</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>692.18</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>36.05</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Josh Massey</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
—	Stick up <u>3.25 ft, ags</u>	Stick up: <u>3.25</u> ft, ags
—	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>24.0 ft, bgs</u>	Casing Top: <u>3.25</u> ft, ags Bottom: <u>56.8</u> ft, bgs
	2 inch casing	Screen Type: <u>U-pack</u>
	Bentonite <u>46.6 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Filter pack	Screen Top: <u>48.6</u> ft, bgs Bottom: <u>58.6</u> ft, bgs
	Top of Screen <u>48.6 ft, bgs</u>	Sump/end cap Top: <u>58.6</u> ft, bgs Bottom: <u>59.0</u> ft, bgs
	0.010" Slot screen	Grout Quantity: <u>40</u> gallons
	59.0 ft, bgs Sump/end cap	Grout Type: <u>Aquaguard</u>
	Terminus of borehole <u>60.0 ft, bgs</u>	Grout Top: <u>0.0</u> ft, bgs Bottom: <u>24.0</u> ft, bgs
		Density Initial: <u>n/a</u> lbs/gal Return: <u>n/a</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>46.6</u> ft, bgs Bottom: <u>24.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>46.6</u> ft, bgs Bottom: <u>60.0</u> ft, bgs
		Notes:
		<u>4 (50 lb) bags Southern Products Silica GP #1 pack</u>
		<u>- Estimated dry filter pack volume ~2.0 ft³</u>
		<u>8 bags (50 lb) Hole Plug bentonite chips, 3/8"</u>
		<u>Backfill below sand pack: n/a</u>
		<u>* Grout mixed to manufacturers recommendations</u>

APPENDIX C
BOREHOLE GEOPHYSICS REPORT



June 1, 2023

Brian Steele, P.G.
Stantec
10745 Westside Way, Suite 250
Alpharetta, Georgia 30009

RE: Geophysical Letter Report | Project #230155
Geophysical Borehole Logging, Plant Bowen, Bartow County, Georgia

Collier Geophysics performed geophysical borehole logging services in four borings located at Plant Bowen, in Bartow County, Georgia. The field investigation was performed during four separate mobilizations between May 2, 2023 and May 20, 2023. This investigation was conducted to aid Stantec in evaluating bedrock conditions. The geophysical logs consisted of a combination of acoustic televiewer, optical televiewer, caliper, fluid conductivity, fluid temperature, natural gamma, single point resistance (SPR), spontaneous potential (SP), and normal resistivity. The survey was led by Collier Geophysicist Eric Armstrong. The following report presents results from the geophysical investigation and summarizes the site conditions, field methods, data acquisition, and interpretation procedures.

The logging data was analyzed to determine the location and orientation of fractures. In addition to these data sets, synthetic caliper logs were calculated from the acoustic televiewer travel time data to aid in the interpretation. Dip and azimuth (dip direction) were calculated for each detected fracture based on the televiewer datasets.

Boring Descriptions

A summary of the four logged boreholes is presented in the table below. All depths are referenced from ground surface.

Borehole ID:	GWC-27R	GWC-29R	GWC-31R	GWA-34R
Appr. Casing Diameter:	5.5 in	6.0 in	6.0 in	5.5 in
Casing Material:	Steel	Steel	Steel	Steel
Appr. Open Hole Diameter:	6.2 in	4.9 in	8.3 in	9.4 in
Open Hole Section:	49.2-88.6 ft	97.1-105.0 ft	75.9-90.4 ft	86.8-92.0 ft

Equipment and Methodology

Acoustic Televiewer

Acoustic televiewer (ATV) logging produces a high resolution, magnetically oriented digital image of the borehole wall to map the location and orientation of intersecting fractures, foliations, and lithologic contacts. The Acoustic televiewer tool emits a rotating, narrow, acoustic beam that is reflected off the borehole wall. The travel time and amplitude of the reflected wave are recorded by the tool and used to create borehole images. Both datasets are useful for identifying the location and orientation of fractures. The amplitude of the reflected signal will decrease at the

location of fractures and the travel time will increase. The travel time data can also be used for developing a high resolution caliper log for a more comprehensive analysis of fractures. Acoustic televiewers can only be used in fluid filled boreholes. However, the fluid does not have to be optically clear for the method to work.

When operating the ATV, a “time window” is set based on the borehole diameter. The time window is the time interval in which the ATV instrument searches for an echo from the borehole wall. For smaller increases in borehole diameter around fractures and sections of weaker rock, the ATV typically records an accurate borehole diameter (correlates well with three-arm caliper data). However, if borehole openings are much larger than the borehole diameter, the echo from the borehole wall may fall outside the time window, or be too weak to be detected. In these situations, borehole diameters recorded with ATV may be inaccurate. Since ATV only records the reflection from the borehole wall, the data cannot be used to determine how far a fracture extends from the borehole. The acoustic televiewer has a vertical resolution of 2 millimeters.

Optical Televiewer

Optical televiewer (OTV) logging is used to record and digitize a 360-degree color image of the borehole wall. Planar features such as fractures, foliation, and lithologic contacts can be identified directly on the images. The tool is magnetically oriented in order to determine the strike and dip of features. OTV has a vertical resolution of 2mm. As a result, it is able to see features other tools may not resolve. Optical images can be collected above or below the water surface, provided the water is sufficiently clear for viewing the borehole wall.

3-Arm Caliper

Caliper logging is used to generate a profile of the borehole diameter with depth. The tool measures the borehole diameter using three spring-loaded arms. Narrow enlargements in the borehole diameter can, in most cases, be attributed to fractures. Caliper logging can be conducted above and below the water surface.

Natural Gamma

Natural gamma tools measure the gamma radiation from the formation. These logs can be used to discriminate between different formations by utilizing variations in the concentration of naturally occurring radioactive isotopes such as potassium, uranium and thorium. These logs are particularly popular for correlating logs and locating clay and shale formations since radioactive elements tend to concentrate in these materials. Natural gamma logging can be conducted in cased and uncased boreholes, water-filled and dry.

Fluid Temperature

Fluid temperature logging is used to identify where water enters or exits the borehole. In the absence of fluid flow, a gradual increase on water temperature of approximately 1°F per 100 feet of depth is expected. Rapid changes in the fluid temperature indicate water-producing or water-receiving zones. Little or no temperature gradient indicates intervals of vertical flow.

Fluid Conductivity

Fluid conductivity logging is used to measure the electrical conductivity of the fluid in the borehole. Variations in fluid conductivity can be contributed to concentration variations of dissolved solids.

These differences can occur when sources of water have contrasting chemistry and have come from different transmissive zones. Fluid temperature and conductivity are measured concurrently using the same logging tool.

Single Point Resistance (SPR)

Single point resistance logging involves passing an alternate current between a surface electrode and a probe electrode and measuring the voltage difference created by the current. SPR is then calculated using Ohm's law. SPR is the sum of cable resistance, and the resistance based on the composition of the medium, the cross-sectional area and length of the path through the medium. Therefore, the single point resistance log does not provide quantitative data. In general, SPR increases with increasing grain size and decreases with increasing borehole diameter, fracture density, and the concentration of dissolved solids in the water. Single-point resistance logs are useful in the determination of lithology, water quality, and location of fracture zones.

Spontaneous Potential (SP)

SP logging is conducted to measure naturally occurring voltage differences along a borehole. The method has been found useful for delineating sandstone/shale layering and other boundaries between permeable and impermeable beds. The measurements are made with reference to an electrode at ground level. Therefore, SP logging does not provide quantitative data.

Normal Resistivity

Resistivity logging is used to characterize the rock or sediment in a borehole by measuring its electrical resistivity. Resistivity is a fundamental material property which represents how strongly a material opposes the flow of electric current. The normal resistivity probe measures the formation resistivity with two different electrode spacings (16 inches and 64 inches). These two readings are referred to as short and long resistivity, since the volume of investigation of the normal resistivity log increases with increasing electrode spacing. The log must run in holes containing electrically conductive mud or water.

Field Methodology

Collier Geophysics used a Robertson Geo logging system to collect all geophysical borehole data. Data was collected within the entire open section of the borehole where practical. All data was QC'd at the end of each day prior to demobilizing.

Results and Discussion

The logs were analyzed for fractures and other features using WellCAD software, manufactured by Advanced Logic Technology. The travel time data from the acoustic televiewer log was used to develop a maximum caliper log. Fractures were interpreted through a complete data analysis of all logs. Dip and azimuth (dip direction) were calculated for each detected fracture. The fracture data was corrected from apparent to true dip and azimuth using deviation logs included with the televiewer dataset, and from magnetic north to true north by rotating the fracture azimuths 5.2° counter-clockwise. Magnetic north is 5.2° west of true north at the site (according to National Oceanic and Atmospheric Administration). The reported azimuth is measured clockwise from true north. The televiewer centralizers had to be reduced for boring GWC-31R due to some unknown obstacles. This resulted in poor centralization and poor televiewer data quality. The open hole

section for GWA-34R was too short for the televiewers to establish orientation due to magnetic field distortion by the steel casing. As a result, only the fracture dip could be measured for this boring. A fracture summary table including fracture attributes is provided in Appendix 1. Schmidt stereonet (lower hemisphere) with fracture characteristics and fracture rose diagrams are presented on Appendix 2. All logs are presented on Appendix 3. All depth measurements are referenced from ground surface.

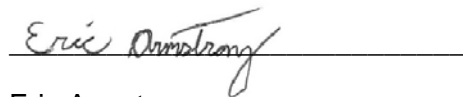
Closure

Geophysical borehole logging, like any non-intrusive investigation methods, requires the subjective interpretation of indirect measurements. As such, there is an inherent margin of error, which is unavoidable. Our methods of data acquisition and interpretation for this project are complete as is reasonably possible, and have been successfully applied by Collier geophysicists to investigations of similar size and nature. We believe the results presented herein to be a reasonable representation of the subsurface conditions. However, due to the subjective nature of any type of interpretation, we cannot guarantee that our results are accurate in all areas. In addition, all subsurface features present at the site may not have been detected or identified.

If you have any questions regarding the field procedures, data analyses, or the interpretive results presented herein, please do not hesitate to contact us. We appreciate working with you and look forward to providing Stantec with geophysical services in the future.

Respectfully Submitted,

Collier Geophysics, LLC

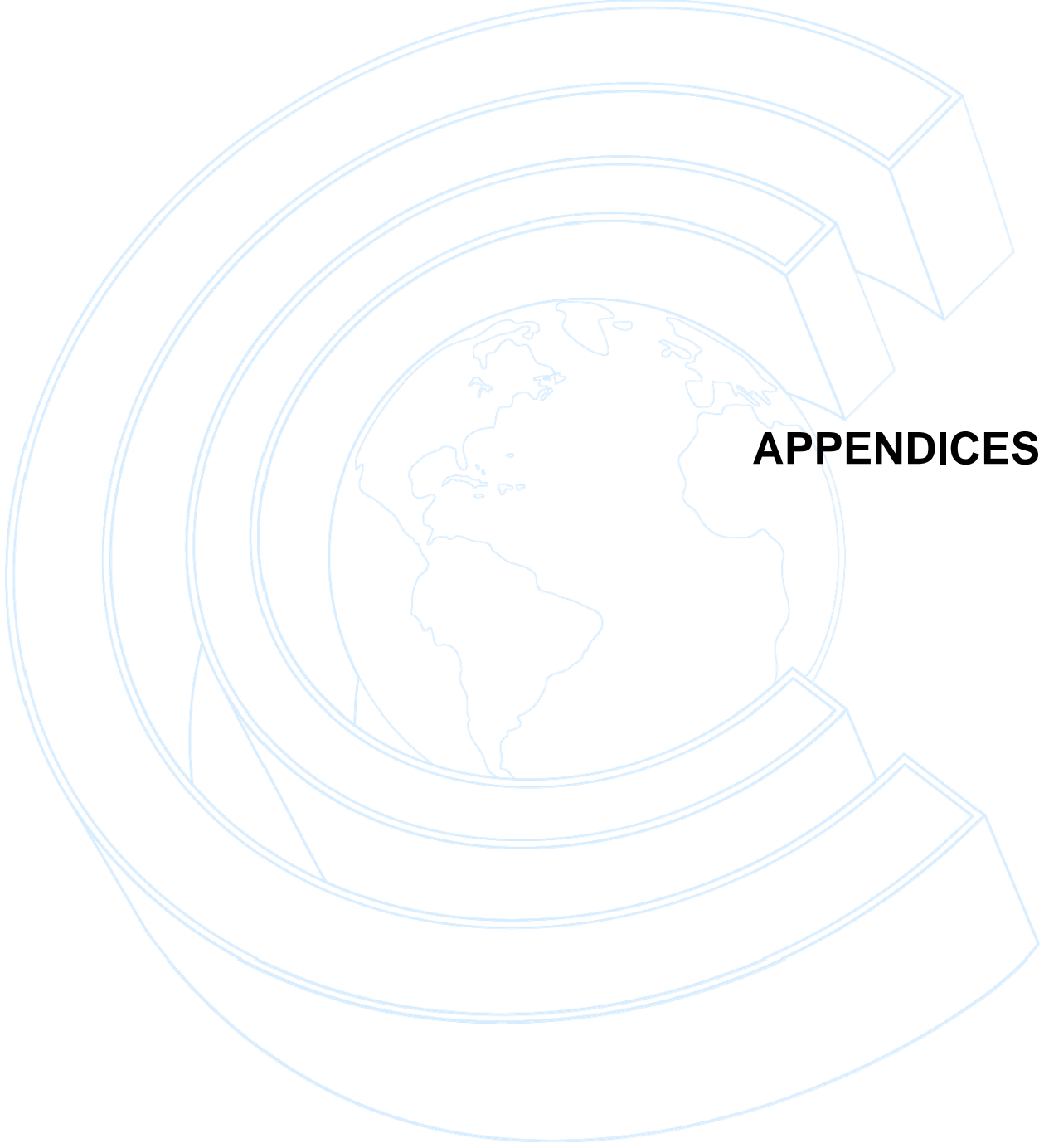


Eric Armstrong
Geophysicist



Jorgen Bergstrom, P.G., P.Gp.
Senior Geophysicist

(1 copy e-mailed PDF format)



APPENDICES



APPENDIX I: Tabular Fracture Data

Borehole ID: GWC-27R

Depth (ft)	Azimuth (degrees)	Dip (degrees)	Aperture (mm)
54.6	142	43	1
58.4	265	69	1
62.8	12	4	1
66.0	126	82	1
66.1	333	63	1
66.5	350	3	8
66.8	352	7	2
67.0	80	83	1
67.1	335	6	7
67.8	98	0	19
69.1	170	2	3
69.5	4	3	26
69.8	324	2	4
70.7	5	1	2
71.4	176	26	1
71.6	340	49	1
71.7	57	9	10
71.9	151	70	3
72.5	339	1	2
72.6	330	14	4
72.7	150	40	4
75.0	98	44	7
81.5	21	83	3
84.6	355	5	3
84.6	175	80	1
84.9	355	11	6
85.2	10	8	1
85.8	160	9	1
86.0	359	9	1
86.1	357	12	1
86.5	352	1	1
86.5	298	7	1
87.1	340	7	2
87.8	354	82	2

Borehole ID: GWC-29R

Depth (ft)	Azimuth (degrees)	Dip (degrees)	Aperture (mm)
97.4	60	19	7
97.6	80	19	3
98.5	106	18	1
100.5	296	62	1
101.2	285	74	1
101.3	344	6	2
101.5	352	6	6
101.7	10	77	1
103.4	107	16	1

Borehole ID: GWC-31R

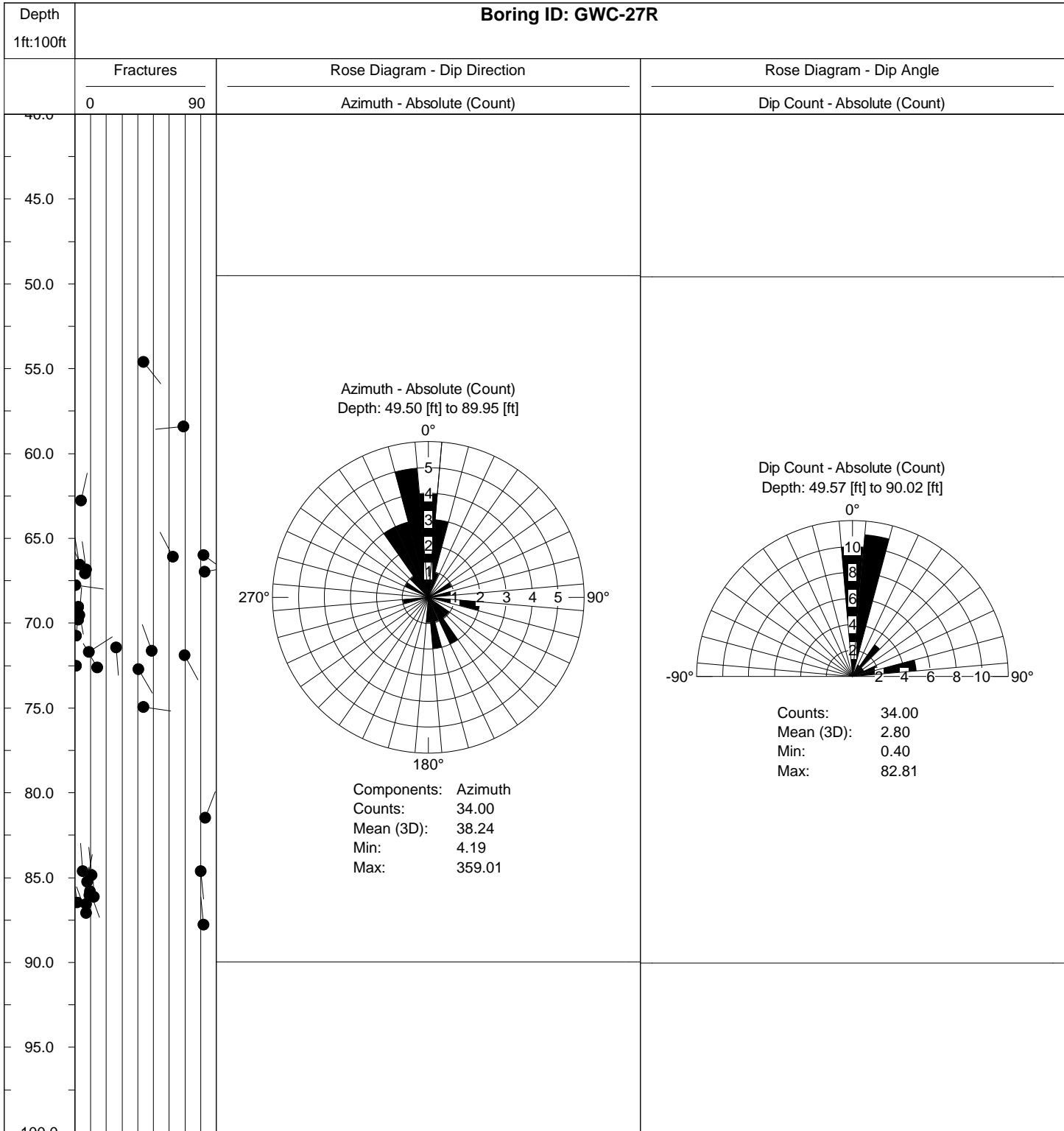
Depth (ft)	Azimuth (degrees)	Dip (degrees)	Aperture (mm)
80.0	234	22	1
80.4	30	54	7
81.2	2	2	3
81.8	344	76	2
83.7	341	3	11
84.8	359	3	15
86.1	177	1	1
86.4	206	1	1
86.5	183	2	1
87.2	85	7	5
88.0	124	53	1
88.1	187	2	6
88.3	3	2	1
88.7	183	7	1
89.0	173	28	1

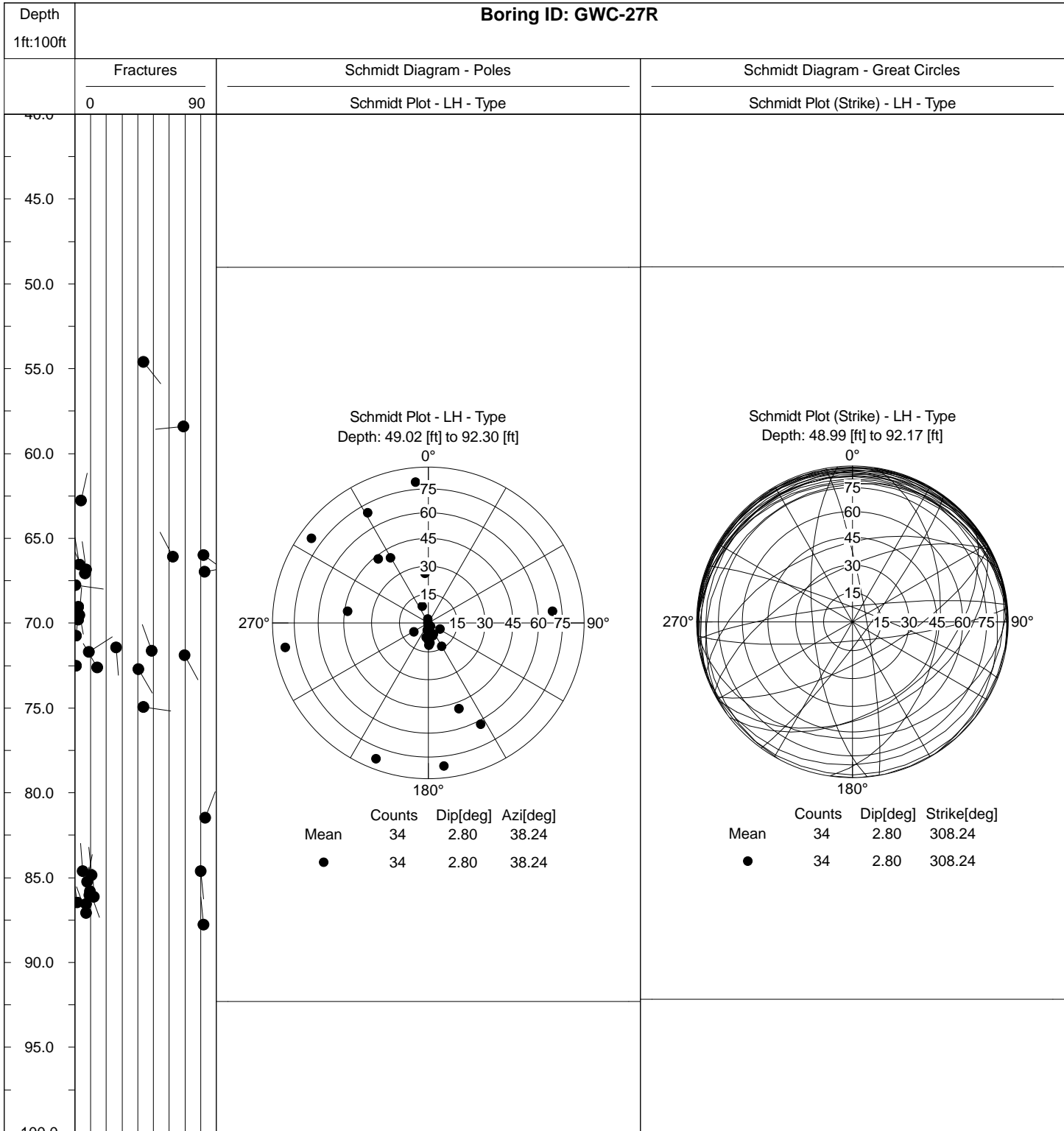
Borehole ID: GWC-34R

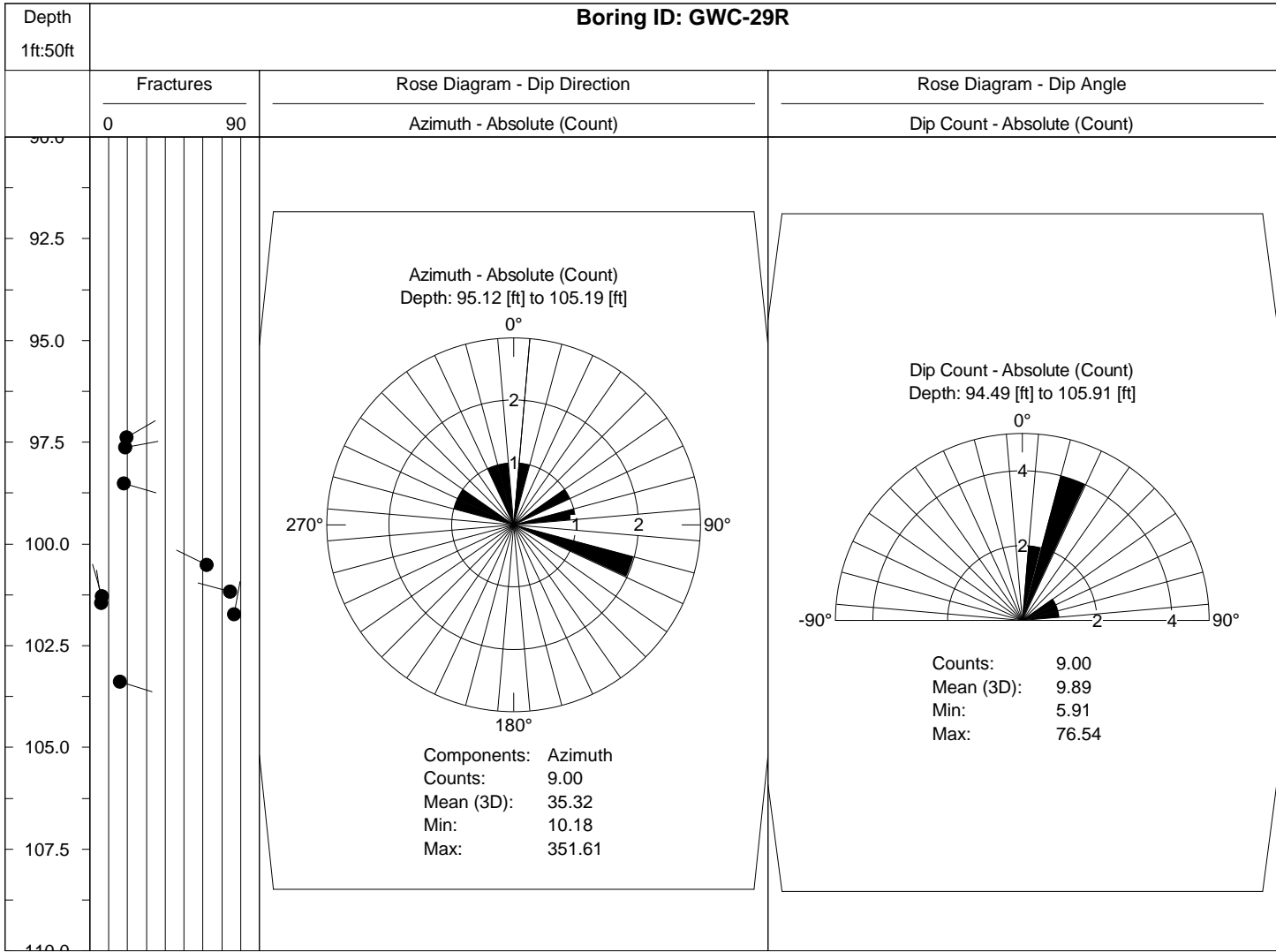
Depth (ft)	Azimuth (degrees)	Dip (degrees)	Aperture (mm)
87.0	N/A	1	7
87.4	N/A	5	6
88.7	N/A	64	3

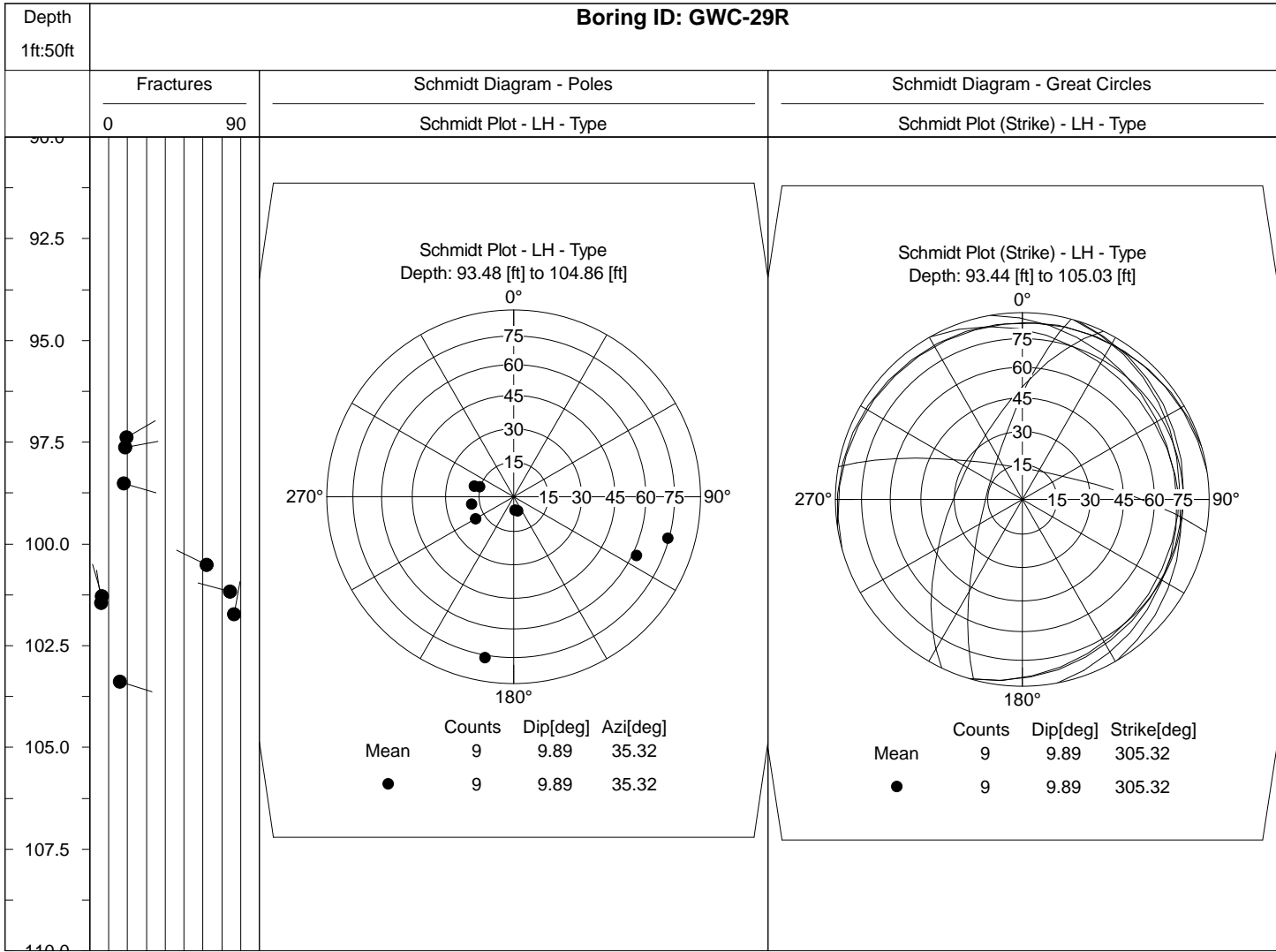


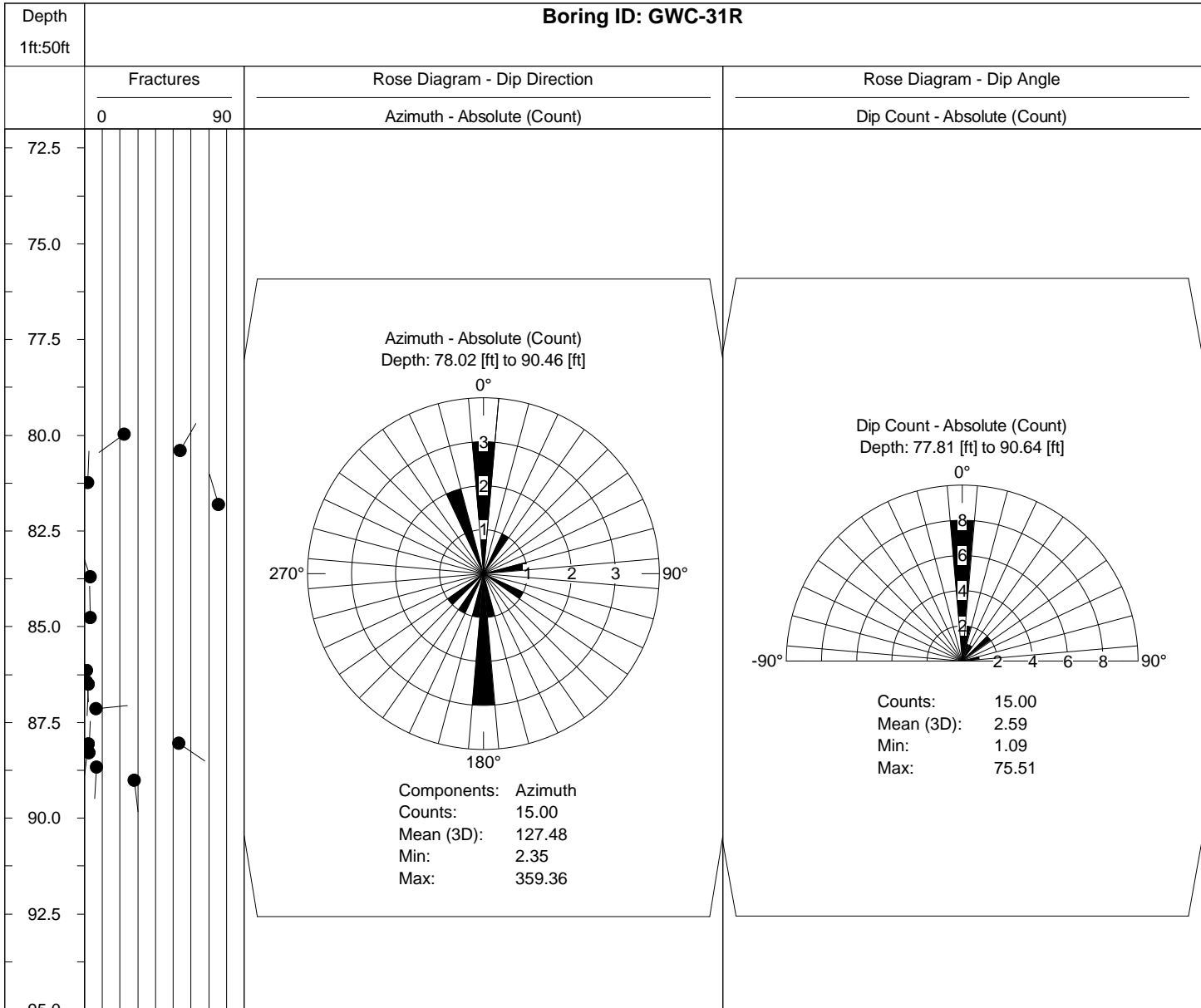
APPENDIX II: Rose Diagrams and Schmidt Plots

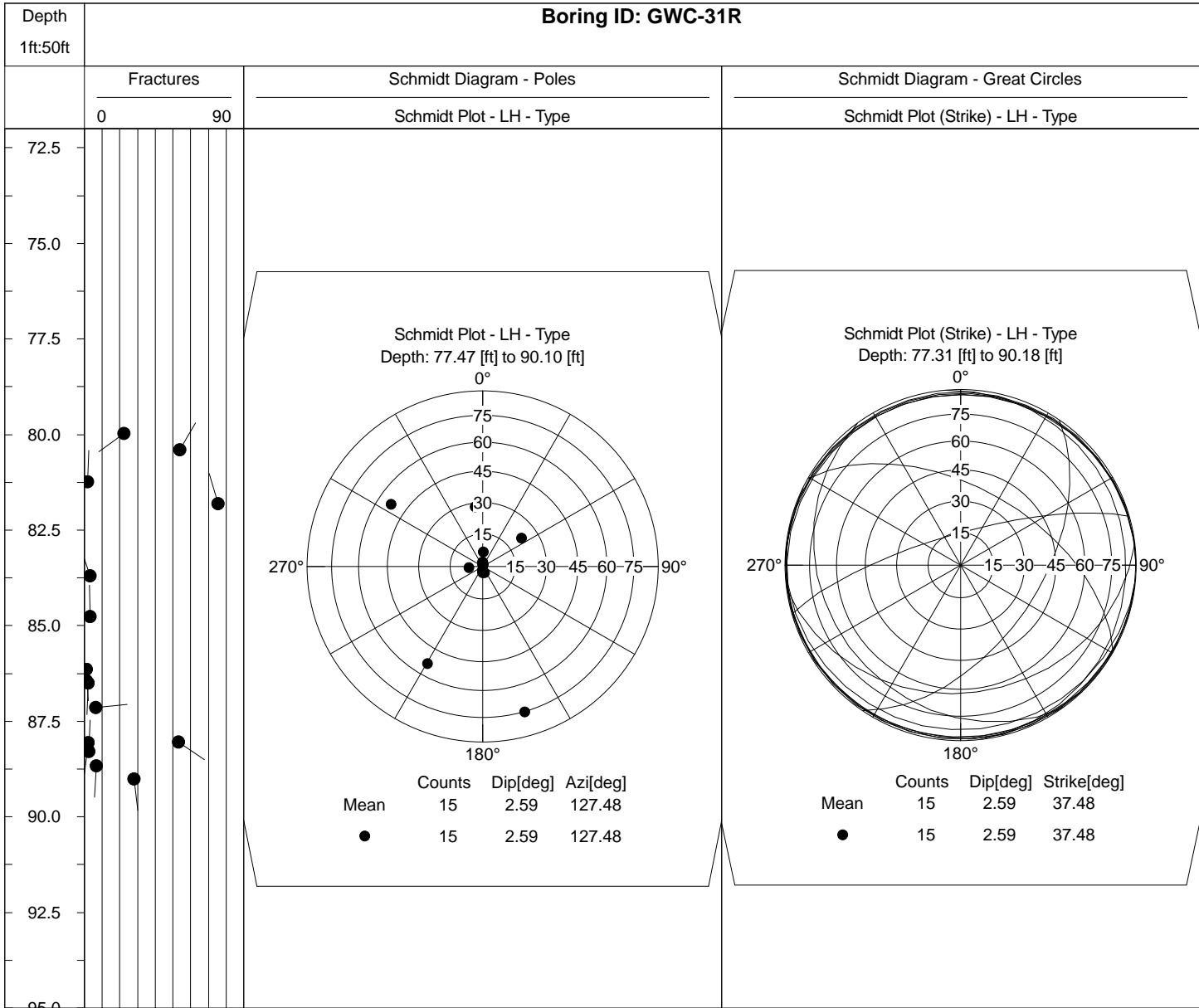








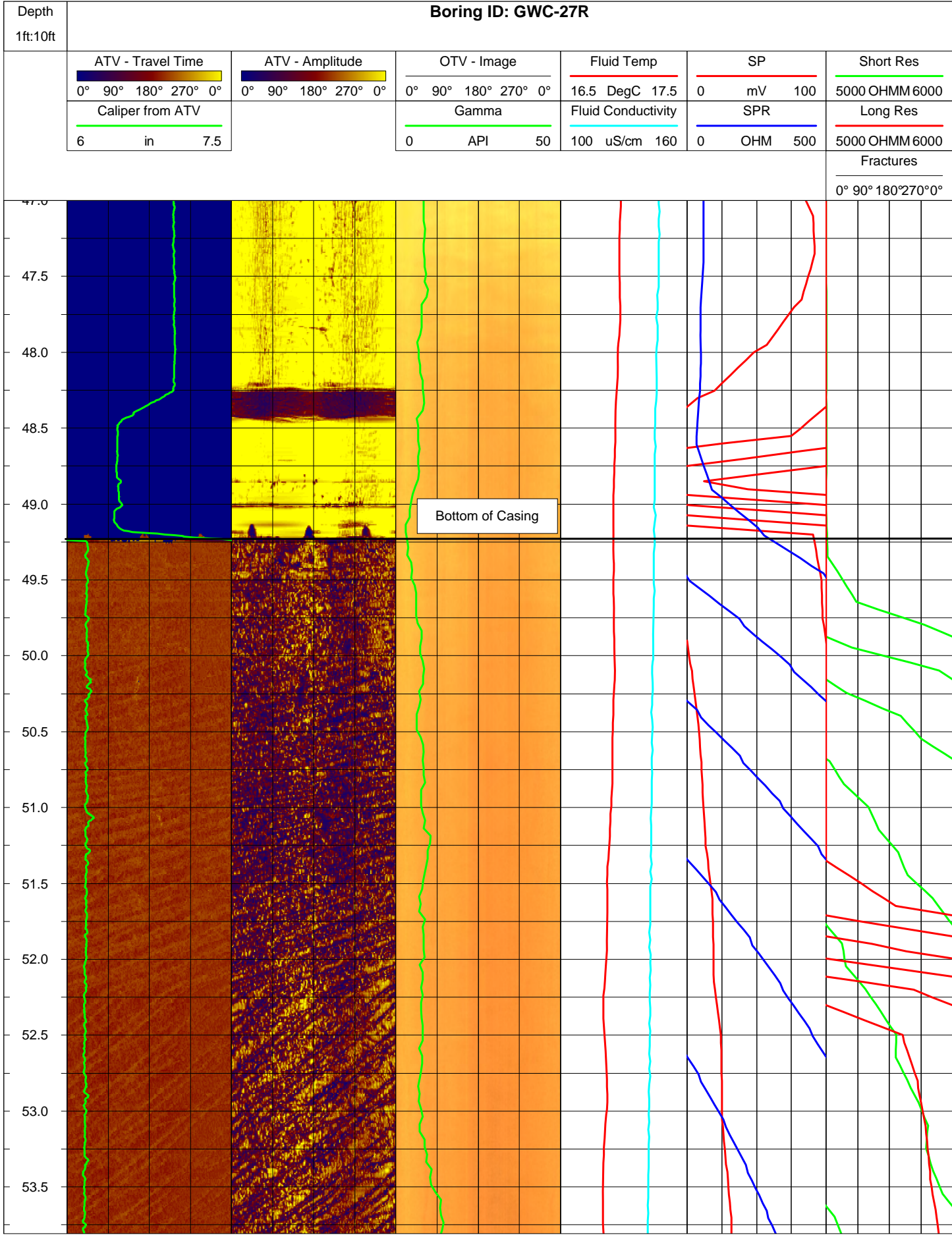




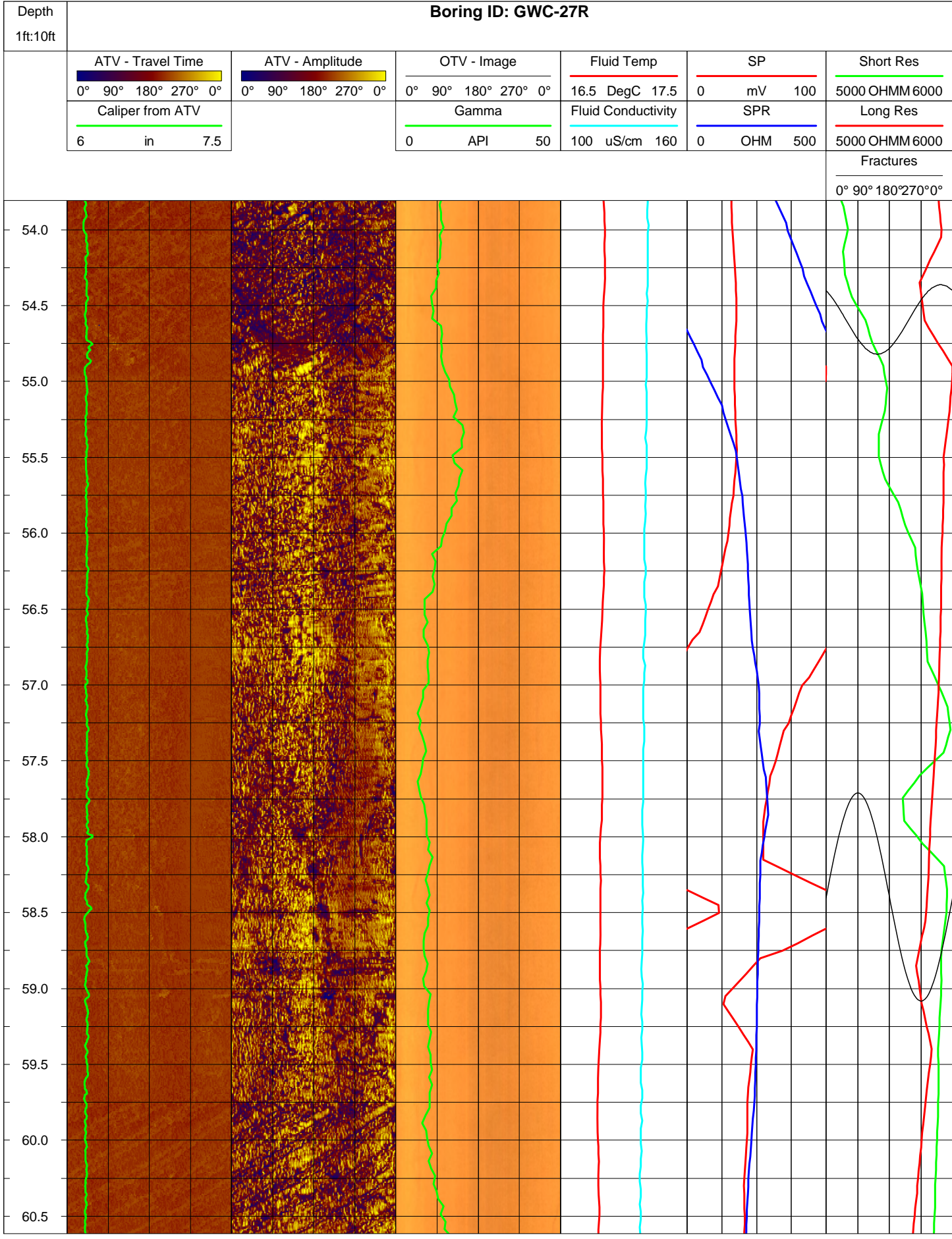


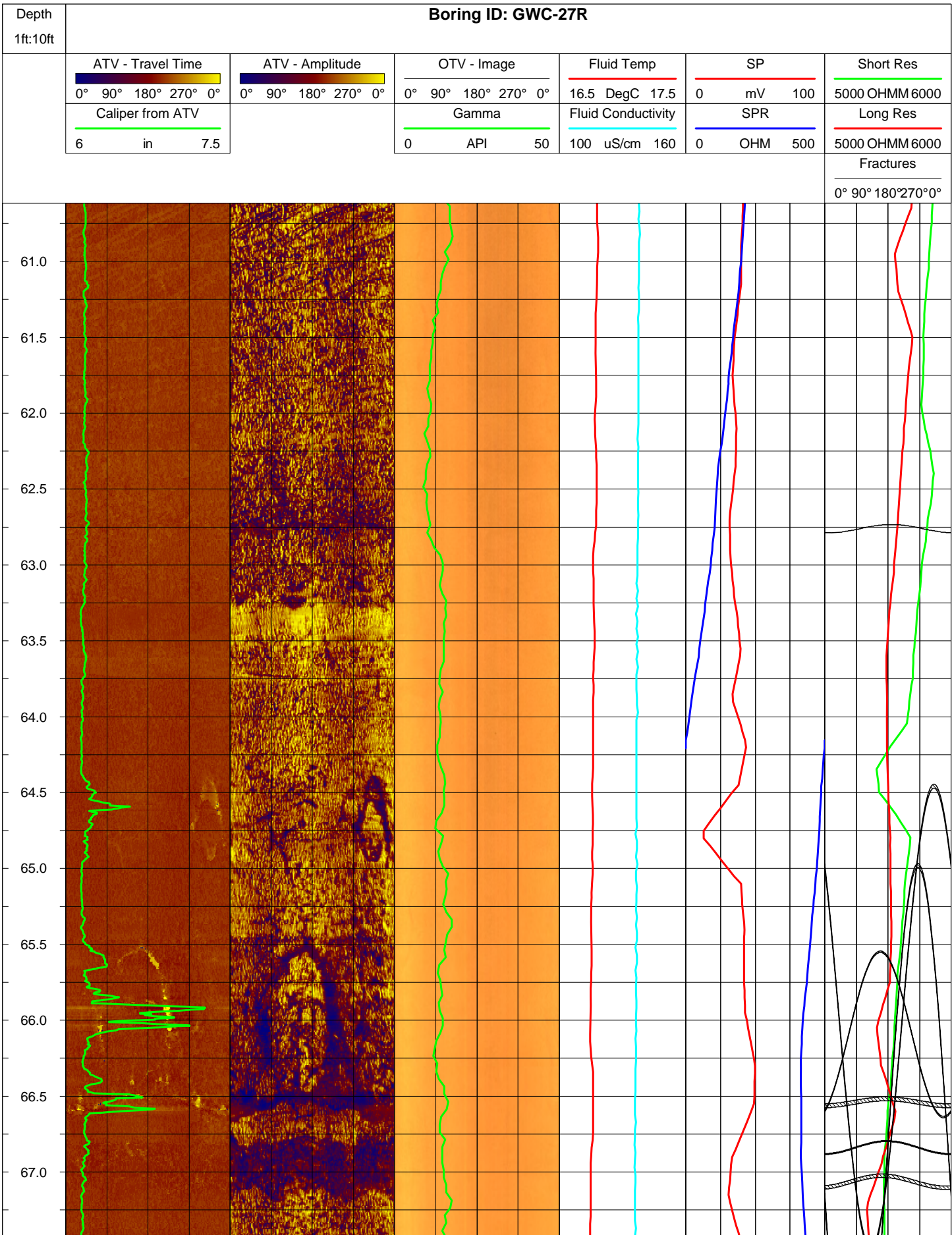
APPENDIX III: Logs and Interpretations

Boring ID: GWC-27R

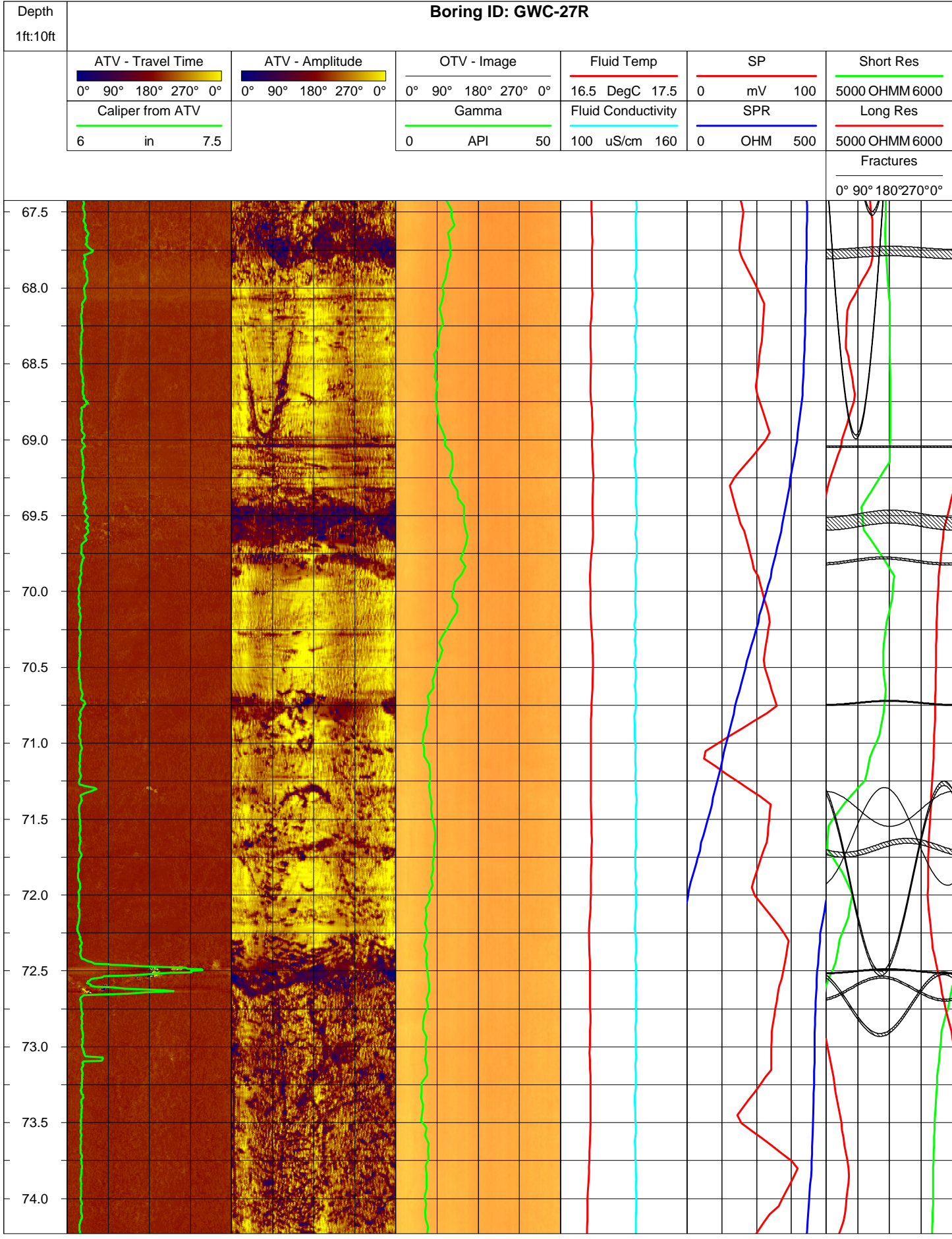


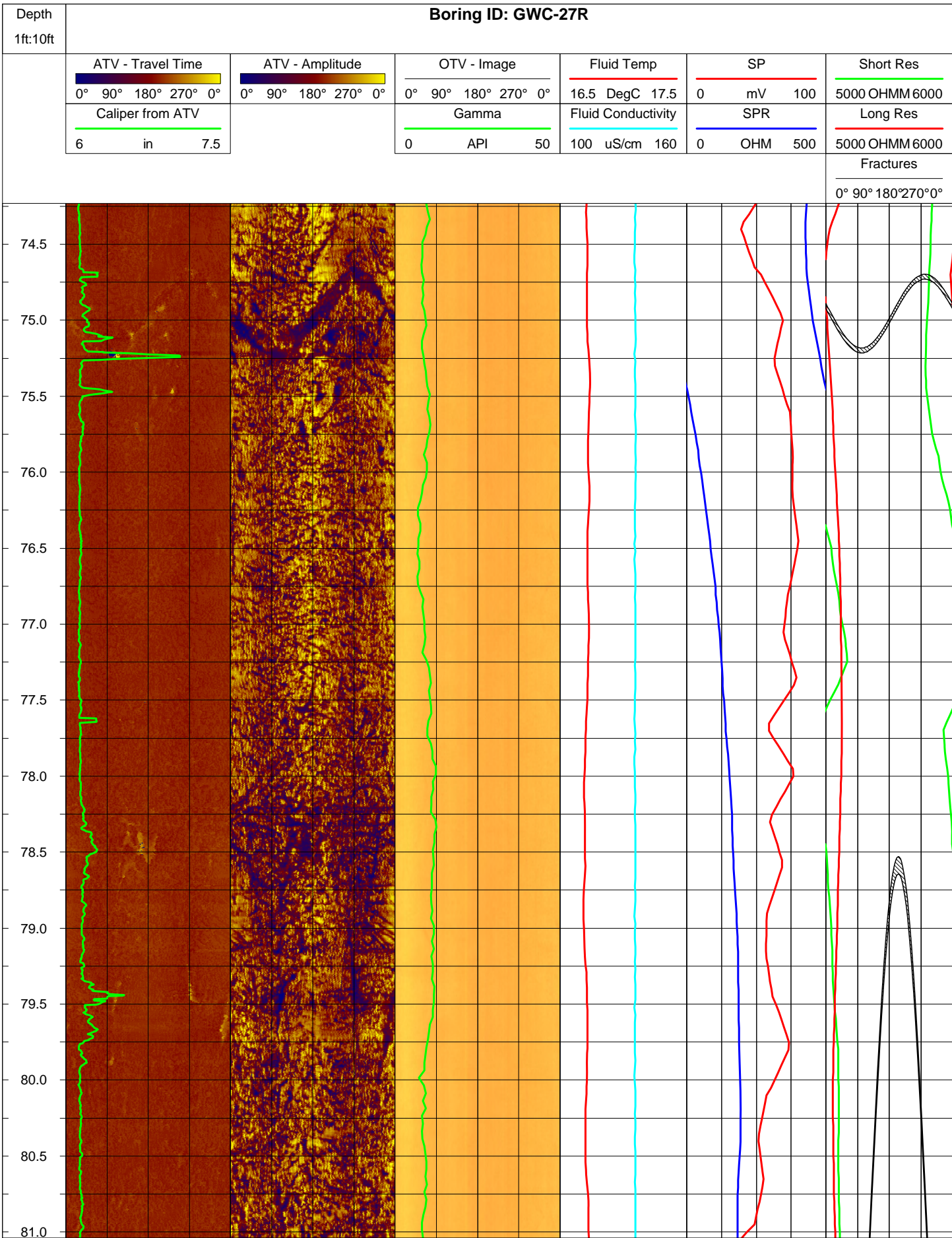
Boring ID: GWC-27R

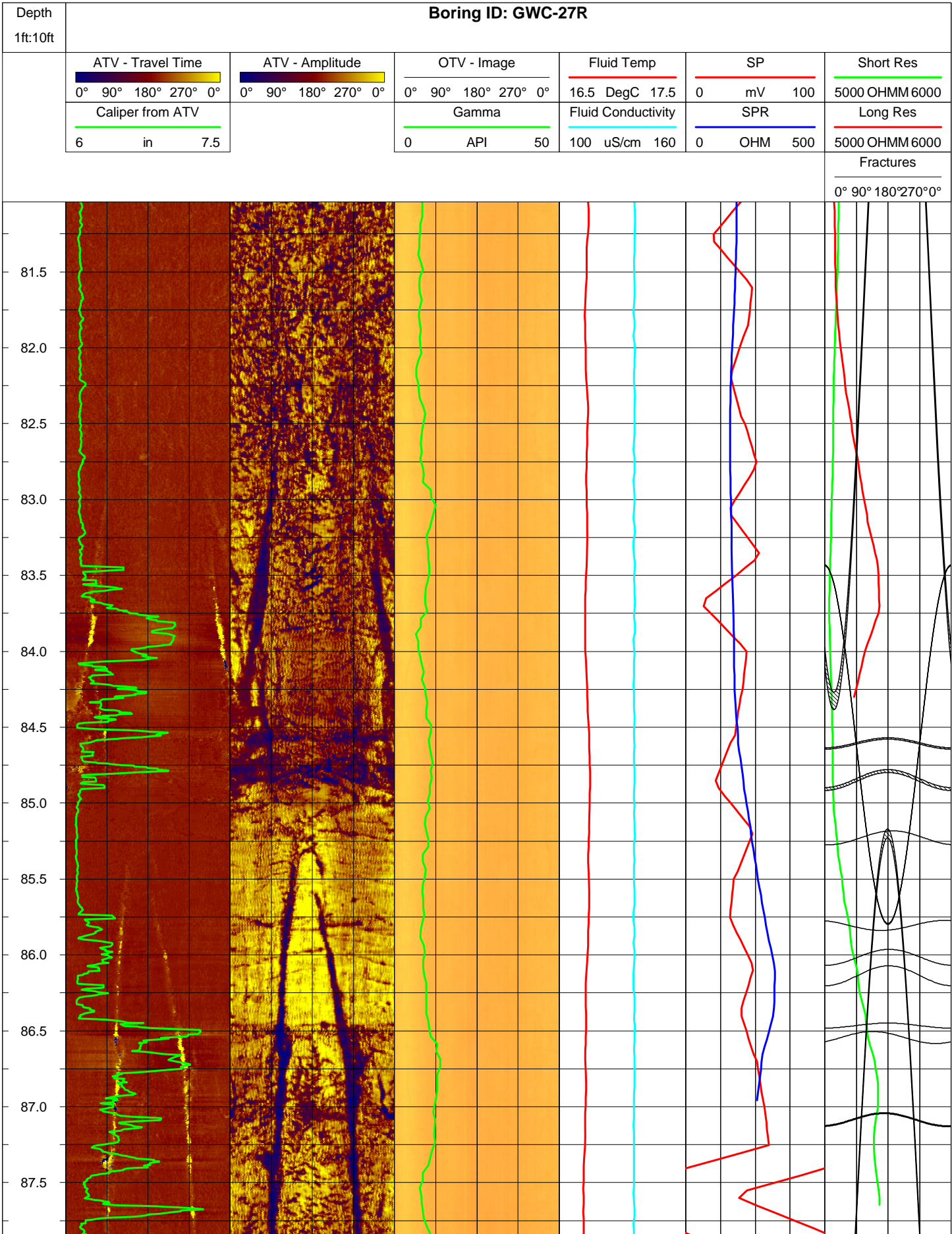


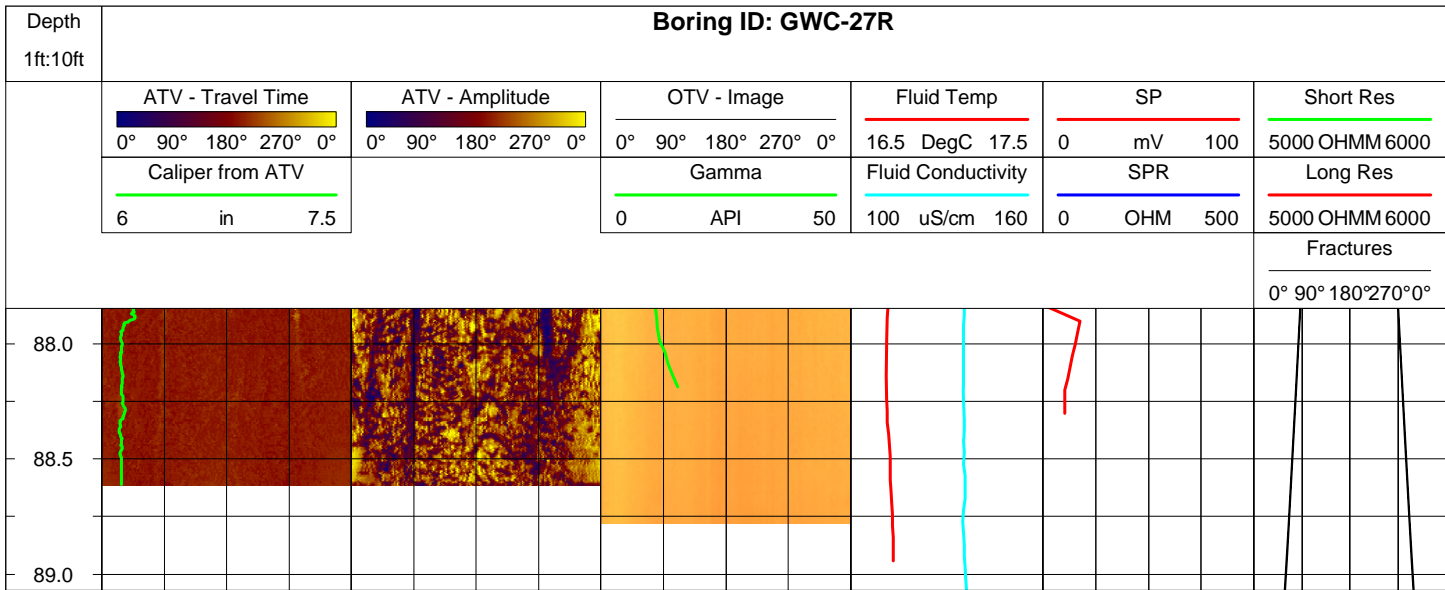


Boring ID: GWC-27R

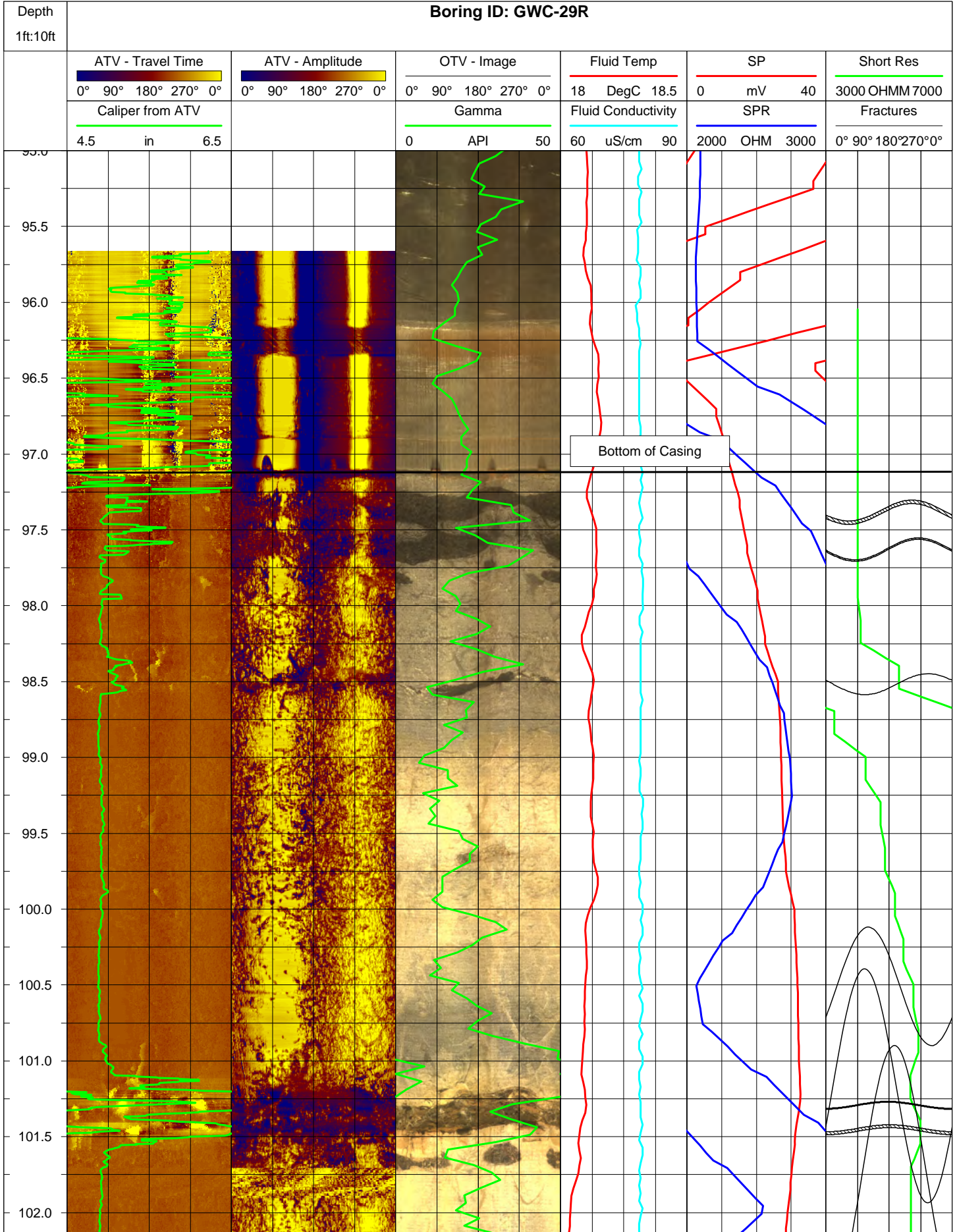




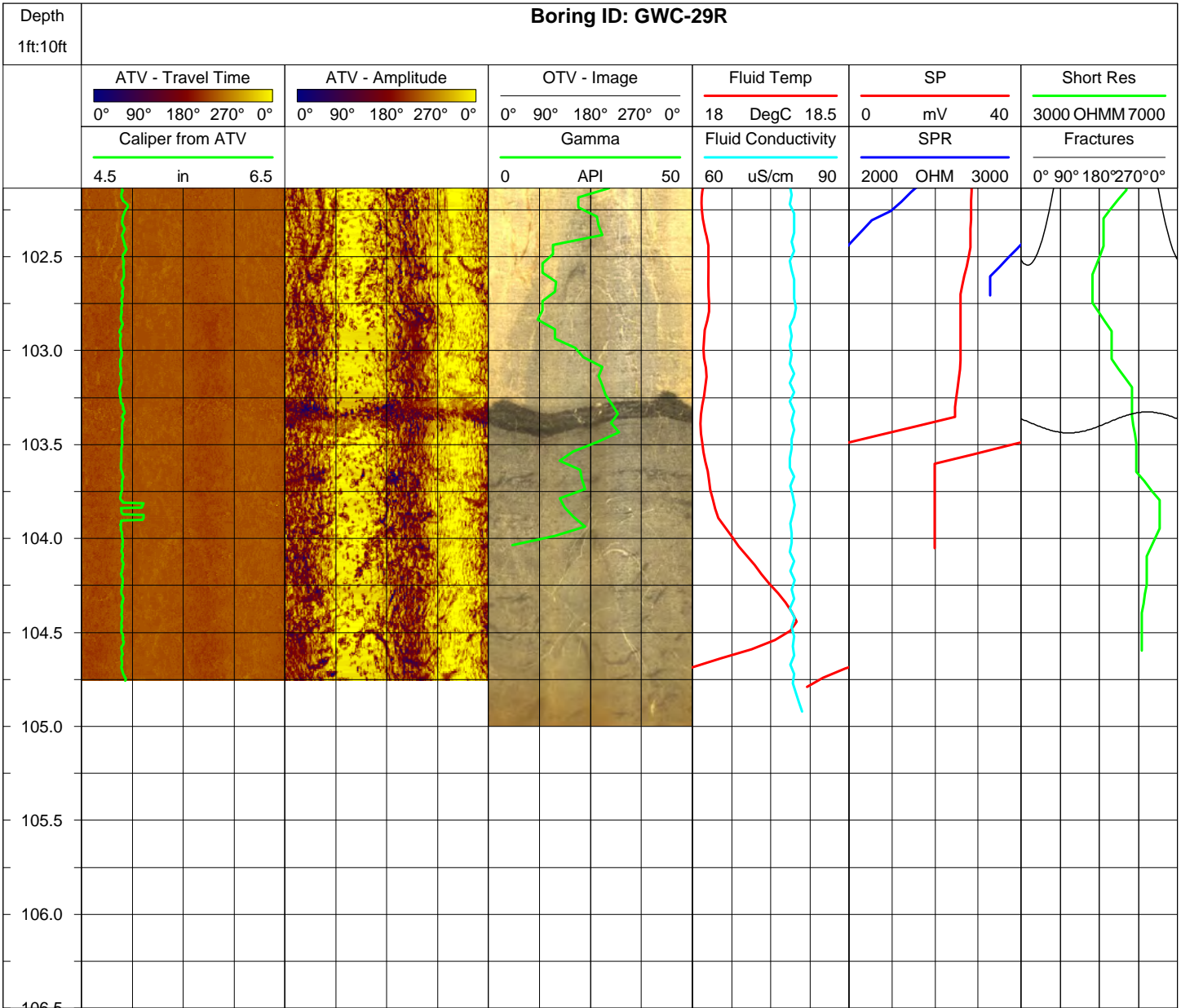


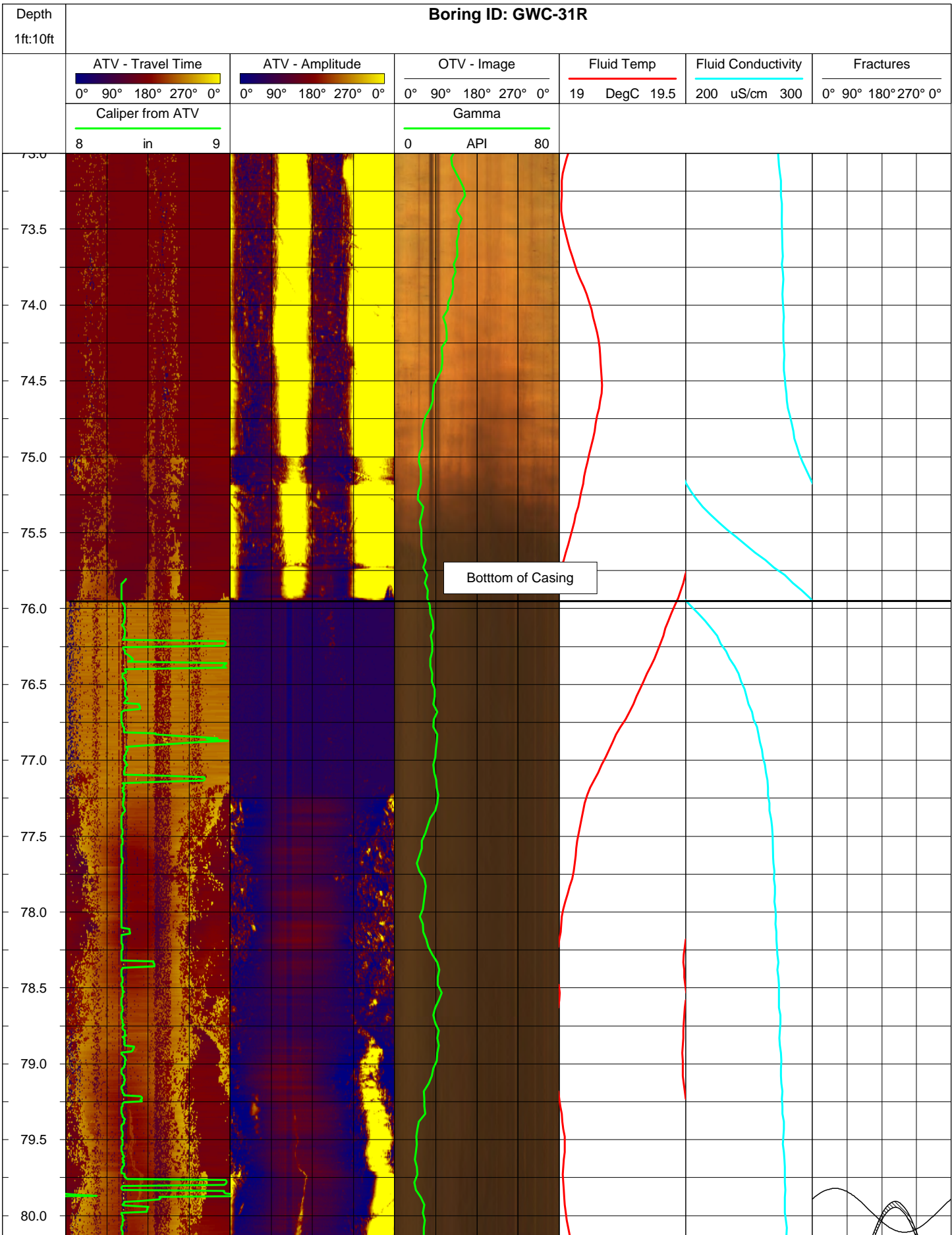


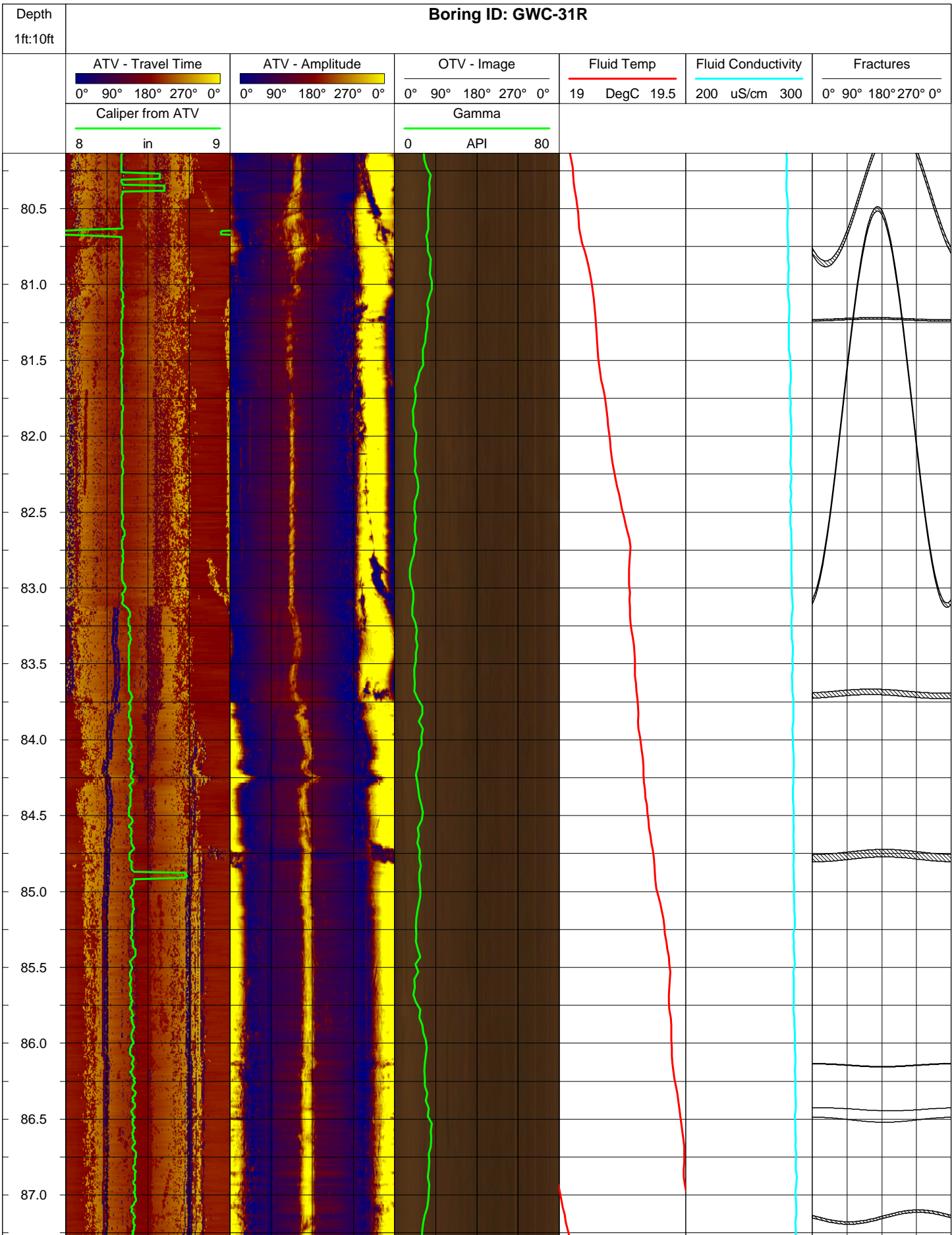
Boring ID: GWC-29R

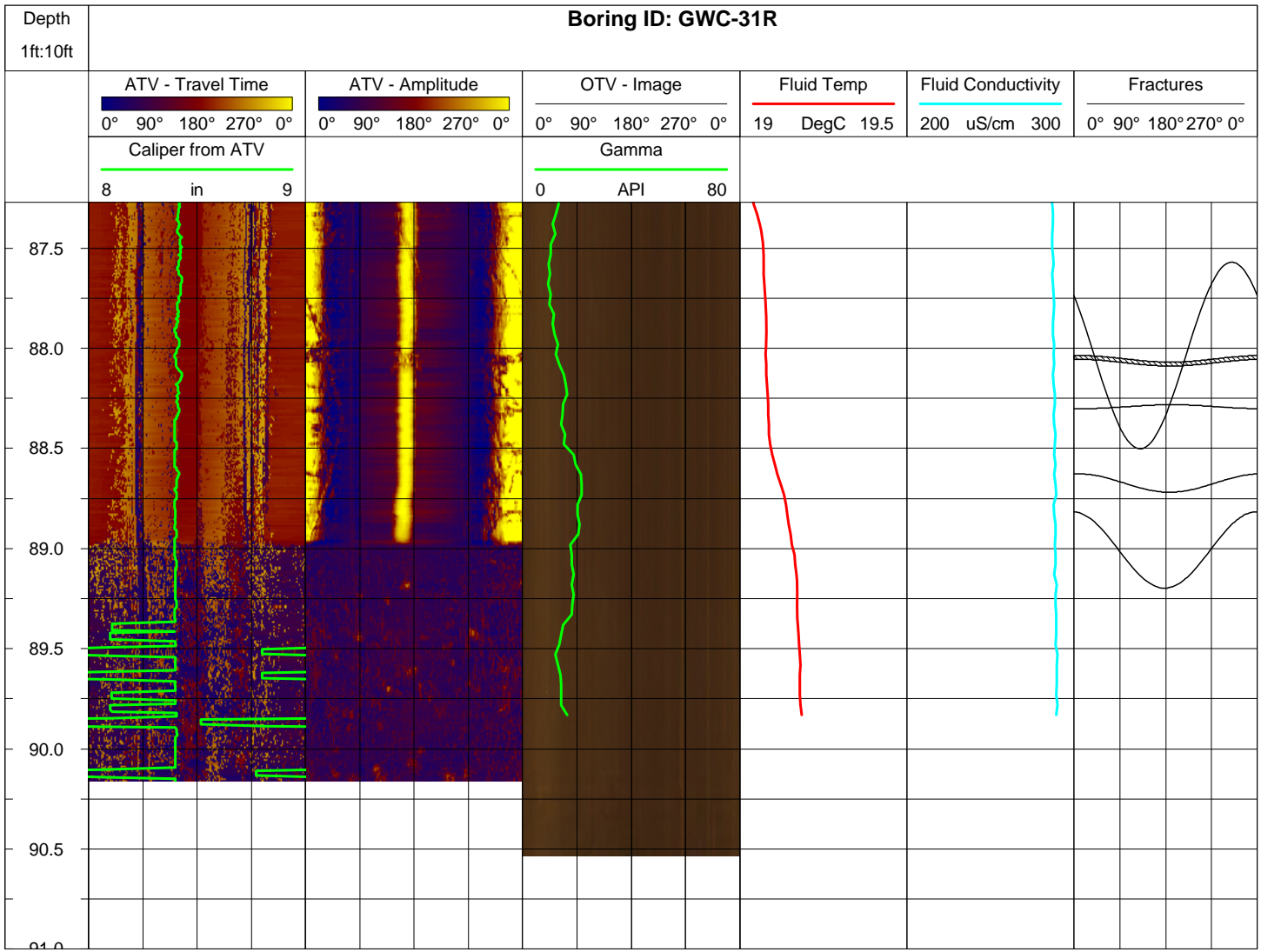


Boring ID: GWC-29R

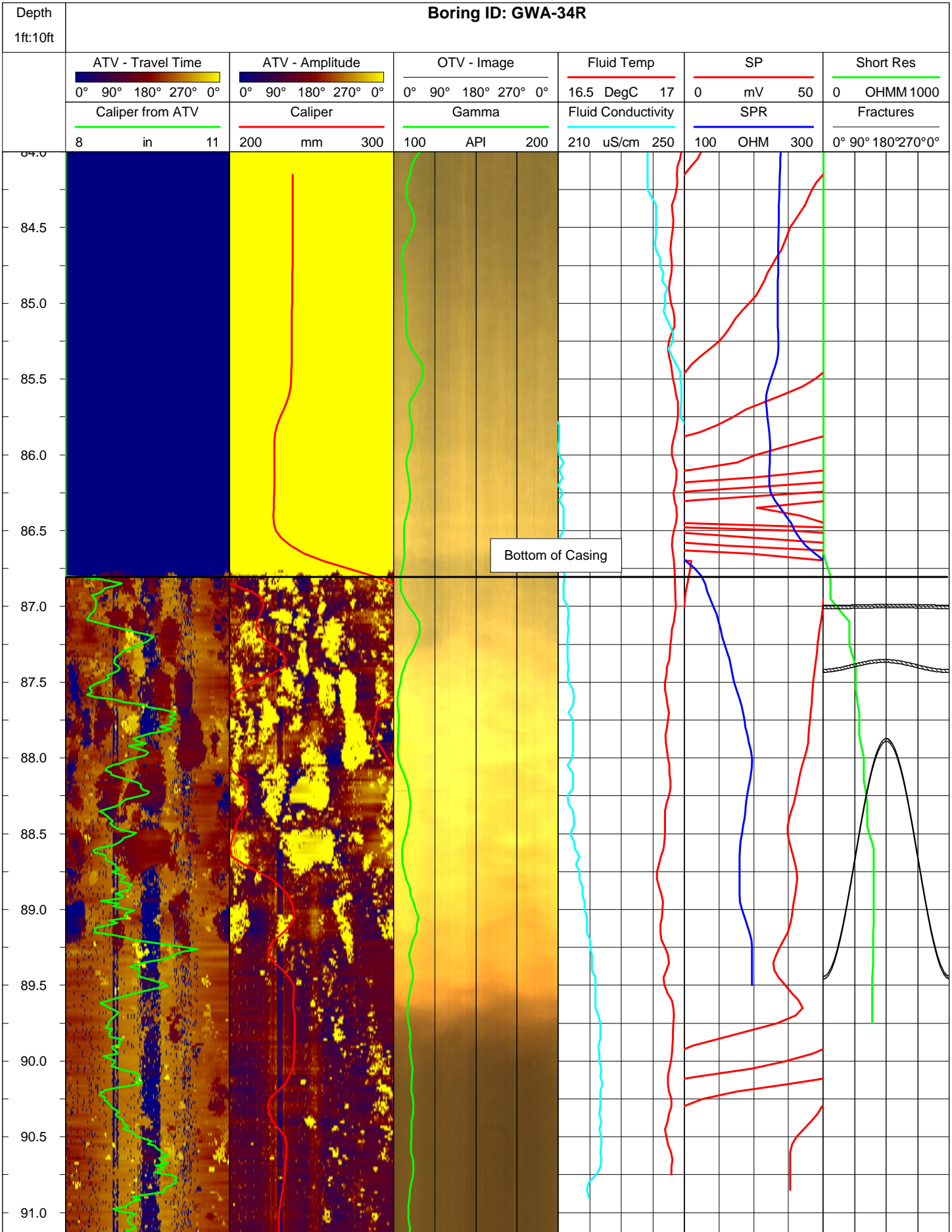








Boring ID: GWA-34R



Boring ID: GWA-34R

Depth 1ft:10ft	Boring ID: GWA-34R																							
	ATV - Travel Time				ATV - Amplitude				OTV - Image				Fluid Temp		SP		Short Res							
	0° 90° 180° 270° 0°				0° 90° 180° 270° 0°				0° 90° 180° 270° 0°				16.5 DegC 17		0 mV 50		0 OHMM 1000							
	Caliper from ATV				Caliper				Gamma				Fluid Conductivity		SPR		Fractures							
8 in 11				200 mm 300				100 API 200				210 uS/cm 250		100 OHM 300		0° 90° 180° 270° 0°								
91.5																								
92.0																								
92.5																								

**APPENDIX D
WELL DEVELOPMENT FORM AND
CALIBRATION FORMS**

EQUIPMENT CALIBRATION LOG

Field Technician William Lacker	Date 5/4/23	Time (Calibration) 11:12	Time (Mid-day Check) 13:40
AquaTroll SN 789301	Turbidity Meter Type LaMotte 2020	SN 2068-0320	
Project May 2023 LF Development	Weather Conditions 73°/41° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air cal)				90.93	
Specific Conductance (µS/cm)	22250153 11/23	24.16	4490	4523.4	
pH (4)	22250153 11/23	24.12	4	4.11	
pH (7)	2216893 11/23	21.28	7	7.09	
pH (10)	21320202 12/23	19.63	10	10.13	
ORP (mV)	21390144 11/23	20.37	228	218.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.04	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.28	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.98	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check		4		±0.1 SU	Yes	No	
Mid-Day pH (7) check		7		±0.1 SU	Yes	No	
Mid-Day pH (10) check		10		±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789301
Created 5/4/2023

Sensor RDO
Serial Number 878603
Last Calibrated 5/4/2023

Calibration Details

Slope 1.100098
Offset 0.00 mg/L

Calibration point 100%

Concentration 7.42 mg/L
Temperature 24.60 °C
Barometric Pressure 994.12 mbar

Sensor Conductivity
Serial Number 789301
Last Calibrated 5/4/2023

Calibration Details

Cell Constant 0.994
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor Level
Serial Number 787061
Last Calibrated Factory Defaults

Sensor pH/ORP
Serial Number 21177
Last Calibrated 5/4/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 120.8 mV
Temperature 24.12 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -50.7 mV
Temperature 21.28 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-216.3 mV
Temperature	19.63 °C

Slope and Offset 1

Slope	-56.78 mV/pH
Offset	-49.5 mV

Slope and Offset 2

Slope	-54.68 mV/pH
Offset	-49.6 mV

ORP

ORP Solution	ORP Standard
Offset	55.2 mV
Temperature	20.37 °C

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duca	Date: 5/4/23	Time (Calibration): 0840	Time (Mid-day Check): 1607
AquaTroll SN: 893479	Turbidity Meter Type: la motte	SN: 7042-3818	
Project: LF Development	Weather Conditions: Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				104.44	
Specific Conductance (µS/cm)	22250153 11/23	10.46	4490	4377.9	
pH (4)	22250153 11/23	11.14	4	4.12	
pH (7)	2216893 11/23	11.35	7	7.17	
pH (10)	21320202 12/23	11.72	10	10.27	
ORP (mV)	21390144 11/23	11.51	228	234.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.09	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.24	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	32.88	4	4.16	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	39.16	7	7.09	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	38.37	10	9.98	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/9/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/4/2023

Calibration Details

Slope 0.9992682
Offset 0.00 mg/L

Calibration point 100%

Concentration 11.14 mg/L
Temperature 9.71 °C
Barometric Pressure 992.55 mbar

Sensor	Conductivity
--------	--------------

Serial Number	893479
Last Calibrated	5/4/2023

Calibration Details

Cell Constant 1.148
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
--------	-------

Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
--------	--------

Serial Number	21688
Last Calibrated	5/4/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.02 pH
pH mV 51.8 mV
Temperature 32.71 °C

Calibration Point 2

pH of Buffer 6.98 pH
pH mV -121.2 mV
Temperature 39.16 °C

Calibration Point 3

pH of Buffer	9.87 pH
pH mV	-286.7 mV
Temperature	38.45 °C

Slope and Offset 1

Slope	-58.46 mV/pH
Offset	-122.4 mV

Slope and Offset 2

Slope	-57.24 mV/pH
Offset	-122.4 mV

ORP

ORP Solution	ORP Standard
Offset	84.9 mV
Temperature	11.47 °C

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/9/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/4/2023

Calibration Details

Slope 0.9992682
Offset 0.00 mg/L

Calibration point 100%

Concentration 11.14 mg/L
Temperature 9.71 °C
Barometric Pressure 992.55 mbar

Sensor	Conductivity
--------	--------------

Serial Number	893479
Last Calibrated	5/4/2023

Calibration Details

Cell Constant 1.148
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
--------	-------

Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
--------	--------

Serial Number	21688
Last Calibrated	5/4/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.02 pH
pH mV 51.8 mV
Temperature 32.71 °C

Calibration Point 2

pH of Buffer 6.98 pH
pH mV -121.2 mV
Temperature 39.16 °C

Calibration Point 3

pH of Buffer	9.87 pH
pH mV	-286.7 mV
Temperature	38.45 °C

Slope and Offset 1

Slope	-58.46 mV/pH
Offset	-122.4 mV

Slope and Offset 2

Slope	-57.24 mV/pH
Offset	-122.4 mV

ORP

ORP Solution	ORP Standard
Offset	84.9 mV
Temperature	11.47 °C

EQUIPMENT CALIBRATION LOG

Field Technician	William Laaker	Date	5/10/23	Time (Calibration)	13:40	Time (Mid-day Check)	15:40
AquaTroll SN	789310	Turbidity Meter Type	LaMotte 2020	SN	7042-3818		
Project	May 2023 LF Development		Weather Conditions	84°/61° sunny			

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				98.41	
Specific Conductance (µS/cm)	22250153 11/23	31.76	4490	4813.9	
pH (4)	22250153 11/23	31.74	4	4.09	
pH (7)	2216893 11/23	29.67	7	7.11	
pH (10)	21320202 12/23	28.72	10	10.07	
ORP (mV)	21390144 11/23	28.06	228	206.3	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.04	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.78	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	30.26	4	4.03	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	29.82	7	7.07	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	30.14	10	9.96	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 5/10/2023

Sensor	RDO
Serial Number	878616
Last Calibrated	5/10/2023

Calibration Details

Slope 1.046241
Offset 0.00 mg/L

Calibration point 100%

Concentration 6.70 mg/L
Temperature 33.42 °C
Barometric Pressure 996.28 mbar

Sensor	Conductivity
Serial Number	789310
Last Calibrated	5/10/2023

Calibration Details

Cell Constant 1.105
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	787063
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21174
Last Calibrated	5/10/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.01 pH
pH mV 73.6 mV
Temperature 31.74 °C

Calibration Point 2

pH of Buffer 6.99 pH
pH mV -102.8 mV
Temperature 29.67 °C

Calibration Point 3

pH of Buffer	9.95 pH
pH mV	-265.9 mV
Temperature	28.72 °C

Slope and Offset 1

Slope	-59.21 mV/pH
Offset	-103.4 mV

Slope and Offset 2

Slope	-55.08 mV/pH
Offset	-103.4 mV

ORP

ORP Solution	ORP Standard
Offset	109.6 mV
Temperature	28.06 °C

EQUIPMENT CALIBRATION LOG

Field Technician Meredith Duncan	Date 5/10/23	Time (Calibration) 0830	Time (Mid-day Check) 1530
AquaTroll SN 893479	Turbidity Meter Type la motte		SN 2068-0320
Project Bowen Development	Weather Conditions 80° Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				102.33	
Specific Conductance (µS/cm)	22250153 11/23	20.62	4490	4723.6	
pH (4)	22250153 11/23	21.29	4	3.89	
pH (7)	2216893 11/23	21.47	7	7.01	
pH (10)	21320202 12/23	21.65	10	10.01	
ORP (mV)	21390144 11/23	21.56	228	205.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	+/-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.12	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.32	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	27.21	4	4.19	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	27.28	7	7.25	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	28.11	10	10.19	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/10/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/10/2023

Calibration Details

Slope 0.9764001
Offset 0.00 mg/L

Calibration point 100%

Concentration 9.25 mg/L
Temperature 19.42 °C
Barometric Pressure 995.09 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/10/2023

Calibration Details

Cell Constant 0.99
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/10/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 57.2 mV
Temperature 21.29 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -116.0 mV
Temperature 21.48 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-277.9 mV
Temperature	21.67 °C

Slope and Offset 1

Slope	-57.34 mV/pH
Offset	-114.8 mV

Slope and Offset 2

Slope	-53.44 mV/pH
Offset	-114.9 mV

ORP

ORP Solution	ORP Standard
Offset	107.1 mV
Temperature	21.60 °C

Field Technician: Meredith Duncan	Date: 5/12/2023	Time (Calibration): 1040	Time (Mid-day Check): 1255
AquaTroll SN: 893479	Turbidity Meter Type: La Motte		SN: 2068-0320
Project: Bowen Development	Weather Conditions: 70 Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				99.38%	
Specific Conductance (µS/cm)	22250153 11/23	21.87	4490	4067.8	
pH (4)	22250153 11/23	21.94	4	3.85	
pH (7)	2216893 11/23	21.92	7	6.78	
pH (10)	21320202 12/23	21.93	10	9.83	
ORP (mV)	21390144 11/23	21.94	228	226.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	+/-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.79	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.23	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	22.34	4	4.01	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	22.40	7	7.06	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	22.15	10	10.10	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/12/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/12/2023

Calibration Details

Slope 0.9826346
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.79 mg/L
Temperature 21.85 °C
Barometric Pressure 998.57 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/12/2023

Calibration Details

Cell Constant 1.092
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/12/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 55.7 mV
Temperature 21.94 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -116.5 mV
Temperature 21.92 °C

Calibration Point 3

pH of Buffer 10.05 pH
pH mV -279.7 mV
Temperature 21.94 °C

Slope and Offset 1

Slope -57.02 mV/pH
Offset -115.4 mV

Slope and Offset 2

Slope -53.85 mV/pH
Offset -115.5 mV

ORP

ORP Solution ORP Standard
Offset 110.0 mV
Temperature 21.94 °C

EQUIPMENT CALIBRATION LOG

Field Technician: William Lauker	Date: 5/17/23	Time (Calibration): 9:12	Time (Mid-day Check): 11:20
AquaTroll SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 2068-0320	
Project: May 2023 LF Development	Weather Conditions: 77°/63° cloudy, rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				101.65	
Specific Conductance (µS/cm)	22250153 11/23	21.07	4490	4531.2	
pH (4)	22250153 11/23	21.27	4	4.03	
pH (7)	2216893 11/23	21.63	7	6.97	
pH (10)	21320202 12/23	21.71	10	10.01	
ORP (mV)	21390144 11/23	21.68	228	239.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.76	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.17	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	23.13	4	4.02	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	23.15	7	7.09	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	23.35	10	10.02	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 5/17/2023

Sensor RDO
Serial Number 878616
Last Calibrated 5/17/2023

Calibration Details

Slope 1.028807
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.48 mg/L
Temperature 20.78 °C
Barometric Pressure 988.00 mbar

Sensor Conductivity
Serial Number 789310
Last Calibrated 5/17/2023

Calibration Details

Cell Constant 0.993
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor Level
Serial Number 787063
Last Calibrated Factory Defaults

Sensor pH/ORP
Serial Number 21174
Last Calibrated 5/17/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 69.7 mV
Temperature 21.27 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -99.1 mV
Temperature 21.63 °C

Calibration Point 3

pH of Buffer 10.05 pH
pH mV -262.3 mV
Temperature 21.71 °C

Slope and Offset 1

Slope -55.91 mV/pH
Offset -98.0 mV

Slope and Offset 2

Slope -53.85 mV/pH
Offset -98.1 mV

ORP

ORP Solution ORP Standard
Offset 98.4 mV
Temperature 21.62 °C

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 5/17/23	Time (Calibration): 0900	Time (Mid-day Check): 1112
AquaTroll SN: 893479	Turbidity Meter Type: la motte		SN: 7042-3818
Project: Bowen Development	Weather Conditions: 68° Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air cal)				99.40	
Specific Conductance (µS/cm)	22250153 11/23	21.07	4490	4505.4	
pH (4)	22250153 11/23	21.20	4	3.99	
pH (7)	2216893 11/23	21.26	7	7.03	
pH (10)	21320202 12/23	21.29	10	10.04	
ORP (mV)	21390144 11/23	21.34	228	231.1	

		Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU		0	0.01	+/-0.5 NTU	Yes No	
Turbidity 1 NTU		1	1.13	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU		10	10.23	+/- 0.5 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	22.35	4	4.07	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check	22.05	7	7.11	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check	21.43	10	10.05	+/- 0.1 SU	Yes No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/17/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/17/2023

Calibration Details

Slope 1.013828
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.58 mg/L
Temperature 20.91 °C
Barometric Pressure 988.12 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/17/2023

Calibration Details

Cell Constant 0.985
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/17/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 54.9 mV
Temperature 21.20 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -116.5 mV
Temperature 21.26 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-278.7 mV
Temperature	21.29 °C

Slope and Offset 1

Slope	-56.76 mV/pH
Offset	-115.3 mV

Slope and Offset 2

Slope	-53.53 mV/pH
Offset	-115.4 mV

ORP

ORP Solution	ORP Standard
Offset	111.7 mV
Temperature	21.34 °C

Field Technician: Meredith Duncan	Date: 5/22/2023	Time (Calibration): 1330	Time (Mid-day Check): 1548
AquaTroll SN: 893479	Turbidity Meter Type: La Motte		SN: 2068-0320
Project: Bowen Development	Weather Conditions: 70 Rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				99.11%	
Specific Conductance (µS/cm)	22250153 11/23	26.01	4490	4476.6	
pH (4)	22250153 11/23	26.11	4	3.99	
pH (7)	2216893 11/23	25.20	7	6.97	
pH (10)	21320202 12/23	24.62	10	10.09	
ORP (mV)	21390144 11/23	24.42	228	223.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.82	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.62	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	25.99	4	4.02	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	24.60	7	7.11	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	23.44	10	10.06	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/22/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/22/2023

Calibration Details

Slope 1.022819
Offset 0.00 mg/L

Calibration point 100%

Concentration 7.77 mg/L
Temperature 26.09 °C
Barometric Pressure 994.65 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/22/2023

Calibration Details

Cell Constant 1.081
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/22/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 52.3 mV
Temperature 26.11 °C

Calibration Point 2

pH of Buffer 7.00 pH
pH mV -120.6 mV
Temperature 25.18 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-284.8 mV
Temperature	24.62 °C

Slope and Offset 1

Slope	-57.65 mV/pH
Offset	-120.6 mV

Slope and Offset 2

Slope	-54.74 mV/pH
Offset	-120.6 mV

ORP

ORP Solution	ORP Standard
Offset	117.4 mV
Temperature	24.42 °C

EQUIPMENT CALIBRATION LOG

Field Technician: William Laaker	Date: 5/24/23	Time (Calibration): 9:02	Time (Mid-day Check): 10:10
AquaTroll SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 2068-0320	
Project: May 2023 LF Development	Weather Conditions: 79°/56° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air cal)				100.71	
Specific Conductance (µS/cm)	22250153 11/23	16.72	4490	340000	
pH (4)	22250153 11/23	16.81	4	4.01	
pH (7)	2216893 11/23	16.77	7	7.09	
pH (10)	21320202 12/23	16.77	10	10.12	
ORP (mV)	21390144 11/23	16.81	228	234.4 233.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.82	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.28	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.61	4	4.01	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	17.60	7	7.09	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	17.43	10	10.10	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 5/24/2023

Sensor RDO
Serial Number 878616
Last Calibrated 5/24/2023

Calibration Details

Slope 1.020467
Offset 0.00 mg/L

Calibration point 100%

Concentration 9.37 mg/L
Temperature 16.69 °C
Barometric Pressure 996.22 mbar

Sensor Conductivity
Serial Number 789310
Last Calibrated 5/24/2023

Calibration Details

Cell Constant 1.115
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor Level
Serial Number 787063
Last Calibrated Factory Defaults

Sensor pH/ORP
Serial Number 21174
Last Calibrated 5/24/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 68.0 mV
Temperature 16.81 °C

Calibration Point 2

pH of Buffer 7.04 pH
pH mV -101.2 mV
Temperature 16.77 °C

Calibration Point 3

pH of Buffer 10.11 pH
pH mV -261.9 mV
Temperature 16.77 °C

Slope and Offset 1

Slope -55.65 mV/pH
Offset -98.9 mV

Slope and Offset 2

Slope -52.35 mV/pH
Offset -99.1 mV

ORP

ORP Solution ORP Standard
Offset 91.8 mV
Temperature 16.81 °C

EQUIPMENT CALIBRATION LOG

Field Technician	Meredith Duncan	Date	5/24/23	Time (Calibration)	0900	Time (Mid-day Check)	1130
AquaTroll SN	893479	Turbidity Meter Type	la motte	SN	7042-3818		
Project	Bowen Development		Weather Conditions	72° Sunny			

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				100.33	
Specific Conductance (µS/cm)	22250153 11/23	18.08	4490	4810.7	
pH (4)	22250153 11/23	18.94	4	4.00	
pH (7)	2216893 11/23	18.99	7	6.90	
pH (10)	21320202 12/23	19.14	10	9.99	
ORP (mV)	21390144 11/23	14.03	228	238.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	+/-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.96	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.23	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	23.98	4	4.10	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	24.05	7	7.13	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	24.16	10	10.07	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/24/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/24/2023

Calibration Details

Slope 1.019582
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.97 mg/L
Temperature 18.84 °C
Barometric Pressure 995.89 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/24/2023

Calibration Details

Cell Constant 1.009
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/24/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 50.5 mV
Temperature 18.96 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -119.1 mV
Temperature 18.99 °C

Calibration Point 3

pH of Buffer 10.05 pH
pH mV -282.0 mV
Temperature 19.14 °C

Slope and Offset 1

Slope -56.16 mV/pH
Offset -118.0 mV

Slope and Offset 2

Slope -53.76 mV/pH
Offset -118.1 mV

ORP

ORP Solution ORP Standard
Offset 108.3 mV
Temperature 19.03 °C

EQUIPMENT CALIBRATION LOG

Field Technician William Laaker	Date 5/30/23	Time (Calibration) 10:19	Time (Mid-day Check) 15:30
AquaTroll SN 789310	Turbidity Meter Type LaMotte 2020	SN 2068-0320	
Project May 2023 LF Development	Weather Conditions 81°/55° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				100.31	
Specific Conductance (µS/cm)	22250153 11/23	17.96	4490	4458.3	
pH (4)	22250153 11/23	18.33	4	4.01	
pH (7)	2216893 11/23	18.39	7	7.06	
pH (10)	21320202 12/23	18.47	10	10.12	
ORP (mV)	21390144 11/23	18.62	228	219.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.04	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.16	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.05	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.81	4	4.08	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	24.70	7	7.11	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	25.31	10	10.10	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 5/30/2023

Sensor	RDO
Serial Number	878616
Last Calibrated	5/30/2023

Calibration Details

Slope 1.017035
Offset 0.00 mg/L

Calibration point 100%

Concentration 9.16 mg/L
Temperature 17.80 °C
Barometric Pressure 993.06 mbar

Sensor	Conductivity
Serial Number	789310
Last Calibrated	5/30/2023

Calibration Details

Cell Constant 1.123
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	787063
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21174
Last Calibrated	5/30/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 67.6 mV
Temperature 18.33 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -102.7 mV
Temperature 18.39 °C

Calibration Point 3

pH of Buffer 10.05 pH
pH mV -263.9 mV
Temperature 18.47 °C

Slope and Offset 1

Slope -56.38 mV/pH
Offset -101.5 mV

Slope and Offset 2

Slope -53.23 mV/pH
Offset -101.6 mV

ORP

ORP Solution ORP Standard
Offset 99.6 mV
Temperature 18.62 °C

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duca
 AquaTroll SN: 893479
 Project: Bowen Dev.
 Date: 5/30/23
 Time (Calibration): 1320
 Time (Mid-day Check): 1520
 Turbidity Meter Type: La Motte
 SN: 7042-3818
 Weather Conditions: 80° Sunny

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air cal)				104.16	
Specific Conductance (µS/cm)	22250153 11/23	26.43	4490	4573.1	
pH (4)	22250153 11/23	26.61	4	3.95	
pH (7)	2216893 11/23	24.88	7	6.90	
pH (10)	21320202 12/23	23.90	10	9.95	
ORP (mV)	21390144 11/23	23.35	228	217.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	0	0.01	+/-0.5 NTU	Yes No	
Turbidity 1 NTU	1	1.02	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU	10	9.62	+/- 0.5 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	24.22	4	4.05	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check	25.1	7	7.08	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check	25.41	10	10.04	+/- 0.1 SU	Yes No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/30/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/30/2023

Calibration Details

Slope 0.9780982
Offset 0.00 mg/L

Calibration point 100%

Concentration 7.96 mg/L
Temperature 26.75 °C
Barometric Pressure 992.69 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/30/2023

Calibration Details

Cell Constant 0.992
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/30/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 48.6 mV
Temperature 24.07 °C

Calibration Point 2

pH of Buffer 7.00 pH
pH mV -124.9 mV
Temperature 24.00 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-285.7 mV
Temperature	24.11 °C

Slope and Offset 1

Slope	-57.83 mV/pH
Offset	-124.9 mV

Slope and Offset 2

Slope	-53.59 mV/pH
Offset	-124.9 mV

ORP

ORP Solution	ORP Standard
Offset	120.2 mV
Temperature	23.35 °C

EQUIPMENT CALIBRATION LOG

Field Technician William Lacker	Date 5/31/23	Time (Calibration) 10:52	Time (Mid-day Check) 14:50
AquaTroll SN 789310	Turbidity Meter Type LaMotte 2020	SN 2068-0320	
Project May 2023 LF Development	Weather Conditions 80°/64° partly sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				102.02	
Specific Conductance (µS/cm)	22250153 11/23	21.98	4490	4568.7	
pH (4)	22250153 11/23	22.07	4	4.02	
pH (7)	2216893 11/23	21.78	7	7.03	
pH (10)	21320202 12/23	21.71	10	10.03	
ORP (mV)	21390144 11/23	21.71	228	225.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.85	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.15	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	28.06	4	4.10	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	28.63	7	7.16	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	31.50	10	10.12	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 5/31/2023

Sensor	RDO
Serial Number	878616
Last Calibrated	5/31/2023

Calibration Details

Slope 0.9988791
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.59 mg/L
Temperature 22.10 °C
Barometric Pressure 996.27 mbar

Sensor	Conductivity
Serial Number	789310
Last Calibrated	5/31/2023

Calibration Details

Cell Constant 1.103
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	787063
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21174
Last Calibrated	5/31/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 67.3 mV
Temperature 22.07 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -104.5 mV
Temperature 21.78 °C

Calibration Point 3

pH of Buffer 10.05 pH
pH mV -265.9 mV
Temperature 21.71 °C

Slope and Offset 1

Slope -56.86 mV/pH
Offset -103.3 mV

Slope and Offset 2

Slope -53.29 mV/pH
Offset -103.4 mV

ORP

ORP Solution ORP Standard
Offset 102.5 mV
Temperature 21.71 °C

Field Technician: <u>Meredith Durca</u>	Date: <u>5/31/23</u>	Time (Calibration): <u>1421</u>	Time (Mid-day Check): <u>1600</u>
AquaTroll SN: <u>893479</u>	Turbidity Meter Type: <u>la Motte</u>		SN: <u>7042-3818</u>
Project: <u>Bowen Dev.</u>	Weather Conditions: <u>69°</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				<u>101.09</u>	
Specific Conductance (µS/cm)	<u>22250153 11/23</u>	<u>25.45</u>	4490	<u>4458.0</u>	
pH (4)	<u>22250153 11/23</u>	<u>25.42</u>	4	<u>3.99</u>	
pH (7)	<u>2216893 11/23</u>	<u>24.43</u>	7	<u>6.98</u>	
pH (10)	<u>21320202 12/23</u>	<u>23.78</u>	10	<u>10.05</u>	
ORP (mV)	<u>21390144 11/23</u>	<u>23.71</u>	228	<u>227.5</u>	

		Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU		<u>0</u>	<u>0.00</u>	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU		<u>1</u>	<u>1.02</u>	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU		<u>10</u>	<u>10.21</u>	+/- 0.5 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	<u>27.14</u>	<u>4</u>	<u>4.00</u>	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check	<u>26.57</u>	<u>7</u>	<u>7.01</u>	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check	<u>26.43</u>	<u>10</u>	<u>10.01</u>	+/- 0.1 SU	Yes No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/31/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/31/2023

Calibration Details

Slope 0.9686157
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.25 mg/L
Temperature 25.84 °C
Barometric Pressure 995.37 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/31/2023

Calibration Details

Cell Constant 0.999
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/31/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 49.3 mV
Temperature 25.42 °C

Calibration Point 2

pH of Buffer 7.00 pH
pH mV -124.6 mV
Temperature 24.41 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-288.9 mV
Temperature	23.78 °C

Slope and Offset 1

Slope	-57.97 mV/pH
Offset	-124.6 mV

Slope and Offset 2

Slope	-54.78 mV/pH
Offset	-124.6 mV

ORP

ORP Solution	ORP Standard
Offset	121.7 mV
Temperature	23.71 °C

EQUIPMENT CALIBRATION LOG

Field Technician William Laaker	Date 6/2/23	Time (Calibration) 9:26	Time (Mid-day Check) 10:25
AquaTroll SN 789310	Turbidity Meter Type LaMotte 2020	SN 2068-0320	
Project May 2023 LF Development	Weather Conditions 86°/63° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				101.42	
Specific Conductance (µS/cm)	22250153 11/23	23.06	4490	4522.6	
pH (4)	22250153 11/23	23.34	4	4.02	
pH (7)	2216893 11/23	23.57	7	7.04	
pH (10)	21320202 12/23	23.79	10	10.09	
ORP (mV)	21390144 11/23	23.61	228	223.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.86	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.98	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.63	4	4.02	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	24.35	7	7.06	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	23.85	10	9.99	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 6/2/2023

Sensor RDO
Serial Number 878616
Last Calibrated 6/2/2023

Calibration Details

Slope 0.9851922
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.59 mg/L
Temperature 22.61 °C
Barometric Pressure 993.02 mbar

Sensor Conductivity

Serial Number 789310
Last Calibrated 6/2/2023

Calibration Details

Cell Constant 1.095
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor Level

Serial Number 787063
Last Calibrated Factory Defaults

Sensor pH/ORP

Serial Number 21174
Last Calibrated 6/2/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 66.3 mV
Temperature 23.34 °C

Calibration Point 2

pH of Buffer 7.00 pH
pH mV -106.3 mV
Temperature 23.57 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-269.8 mV
Temperature	23.79 °C

Slope and Offset 1

Slope	-57.53 mV/pH
Offset	-106.3 mV

Slope and Offset 2

Slope	-54.49 mV/pH
Offset	-106.3 mV

ORP

ORP Solution	ORP Standard
Offset	106.9 mV
Temperature	23.61 °C

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan Date: 6/2/23 Time (Calibration): 0920 Time (Mid-day Check):
 AquaTroll SN: 893479 Turbidity Meter Type: Iamotte SN: 7042-3818
 Project: Bowen Dev. Weather Conditions: 75° sunny

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				101.58	
Specific Conductance (µS/cm)	22250153 11/23	23.11	4490	4591.7	
pH (4)	22250153 11/23	23.41	4	4.03	
pH (7)	2216893 11/23	23.45	7	7.01	
pH (10)	21320202 12/23	23.42	10	10.01	
ORP (mV)	21390144 11/23	23.21	228	230.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU	1	1.07	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU	10	10.31	+/- 0.5 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	24.11	4	4.01	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check	24.31	7	6.99	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check	24.21	10	10.02	+/- 0.1 SU	Yes No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 6/2/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	6/2/2023

Calibration Details

Slope 0.9534565
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.79 mg/L
Temperature 22.82 °C
Barometric Pressure 993.18 mbar

Sensor	Conductivity
--------	--------------

Serial Number	893479
Last Calibrated	6/2/2023

Calibration Details

Cell Constant 0.978
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
--------	-------

Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
--------	--------

Serial Number	21688
Last Calibrated	6/2/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 47.1 mV
Temperature 23.44 °C

Calibration Point 2

pH of Buffer 7.00 pH
pH mV -124.9 mV
Temperature 23.45 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-288.6 mV
Temperature	23.44 °C

Slope and Offset 1

Slope	-57.36 mV/pH
Offset	-124.9 mV

Slope and Offset 2

Slope	-54.54 mV/pH
Offset	-124.9 mV

ORP

ORP Solution	ORP Standard
Offset	119.3 mV
Temperature	23.22 °C

Low-Flow Test Report:

Test Date / Time: 5/31/2023 1:19:24 PM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWA-33 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.65 ft Total Depth: 66.65 ft Initial Depth to Water: 23.58 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 61.65 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
---	--	--

Test Notes:

Prepurged 378 L

Lowered pump rate to 200 mL/min at 12:00 to lower turbidity.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/31/2023 1:19 PM	00:00	7.40 pH	18.59 °C	209.86 µS/cm	4.99 mg/L	10.64 NTU	88.8 mV	23.58 ft	0.11 PSU	500.00 ml/min
5/31/2023 1:23 PM	04:00	7.62 pH	18.95 °C	209.38 µS/cm	5.00 mg/L	10.75 NTU	66.7 mV	23.58 ft	0.11 PSU	500.00 ml/min
5/31/2023 1:27 PM	08:00	7.76 pH	18.65 °C	208.62 µS/cm	4.97 mg/L	10.21 NTU	59.7 mV	23.58 ft	0.11 PSU	500.00 ml/min
5/31/2023 1:31 PM	12:00	7.82 pH	18.94 °C	210.04 µS/cm	5.04 mg/L	10.20 NTU	54.9 mV	23.58 ft	0.11 PSU	200.00 ml/min
5/31/2023 1:35 PM	16:00	7.82 pH	20.45 °C	211.96 µS/cm	5.00 mg/L	9.85 NTU	50.3 mV	23.58 ft	0.11 PSU	200.00 ml/min
5/31/2023 1:39 PM	20:00	7.85 pH	20.69 °C	210.35 µS/cm	4.92 mg/L	9.69 NTU	48.2 mV	23.58 ft	0.11 PSU	200.00 ml/min
5/31/2023 1:43 PM	24:00	7.87 pH	20.64 °C	210.56 µS/cm	4.92 mg/L	9.46 NTU	46.8 mV	23.58 ft	0.11 PSU	200.00 ml/min
5/31/2023 1:47 PM	28:00	7.89 pH	20.55 °C	210.40 µS/cm	4.87 mg/L	9.57 NTU	45.3 mV	23.58 ft	0.11 PSU	200.00 ml/min
5/31/2023 1:51 PM	32:00	7.90 pH	20.45 °C	210.51 µS/cm	4.91 mg/L	8.25 NTU	44.4 mV	23.58 ft	0.11 PSU	200.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 7/6/2023 12:35:38 PM

Project: Bowen LF GWA-33 Redevelopment July 2023

Operator Name: Meredith Duncan

Location Name: GWA-33 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.69 ft Total Depth: 66.69 ft Initial Depth to Water: 24.05 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 61.69 ft Estimated Total Volume Pumped: 12200 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:

Prepurged 140L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/6/2023 12:35 PM	00:00	7.54 pH	21.46 °C	209.24 µS/cm	5.16 mg/L	57.50 NTU	147.7 mV	24.05 ft	0.10 PSU	500.00 ml/min
7/6/2023 12:39 PM	04:00	7.69 pH	20.31 °C	214.56 µS/cm	5.20 mg/L	56.20 NTU	147.5 mV	24.05 ft	0.10 PSU	500.00 ml/min
7/6/2023 12:43 PM	08:00	7.75 pH	21.02 °C	215.78 µS/cm	5.05 mg/L	57.60 NTU	146.2 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 12:47 PM	12:00	7.73 pH	22.03 °C	217.02 µS/cm	4.95 mg/L	48.30 NTU	144.2 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 12:51 PM	16:00	7.69 pH	23.35 °C	216.61 µS/cm	4.96 mg/L	45.40 NTU	143.4 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 12:55 PM	20:00	7.67 pH	24.02 °C	216.23 µS/cm	4.99 mg/L	48.60 NTU	144.9 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 12:59 PM	24:00	7.67 pH	23.73 °C	216.40 µS/cm	4.77 mg/L	45.20 NTU	146.6 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 1:03 PM	28:00	7.65 pH	24.16 °C	216.23 µS/cm	4.71 mg/L	44.20 NTU	147.5 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 1:07 PM	32:00	7.64 pH	24.06 °C	215.52 µS/cm	4.69 mg/L	40.60 NTU	149.2 mV	24.05 ft	0.10 PSU	250.00 ml/min
7/6/2023 1:11 PM	36:00	7.62 pH	24.40 °C	216.28 µS/cm	4.68 mg/L	44.00 NTU	150.1 mV	24.05 ft	0.10 PSU	250.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 6/2/2023 9:56:35 AM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWA-33R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 102.73 ft Total Depth: 112.73 ft Initial Depth to Water: 23.46 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 107.73 ft Estimated Total Volume Pumped: 7200 ml Flow Cell Volume: 90 ml Final Flow Rate: 300 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
--	--	--

Test Notes:

Prepurged 429 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/2/2023 9:56 AM	00:00	7.44 pH	18.30 °C	253.03 µS/cm	3.78 mg/L	4.36 NTU	67.4 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:00 AM	04:00	7.46 pH	18.69 °C	250.91 µS/cm	3.69 mg/L	3.23 NTU	64.3 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:04 AM	08:00	7.49 pH	18.82 °C	249.85 µS/cm	3.60 mg/L	3.52 NTU	62.5 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:08 AM	12:00	7.49 pH	19.02 °C	249.33 µS/cm	3.57 mg/L	2.85 NTU	60.6 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:12 AM	16:00	7.50 pH	19.16 °C	249.35 µS/cm	3.52 mg/L	2.71 NTU	59.2 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:16 AM	20:00	7.50 pH	19.16 °C	249.21 µS/cm	3.49 mg/L	3.00 NTU	58.6 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:20 AM	24:00	7.52 pH	18.87 °C	248.42 µS/cm	3.46 mg/L	2.16 NTU	57.5 mV	23.56 ft	0.13 PSU	300.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/30/2023 1:48:12 PM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWA-34 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.41 ft Total Depth: 68.41 ft Initial Depth to Water: 19.8 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 63.41 ft Estimated Total Volume Pumped: 32000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.95 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	---	--

Test Notes:

Prepurge 1042L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/30/2023 1:48 PM	00:00	5.81 pH	18.73 °C	264.46 µS/cm	0.11 mg/L	11.92 NTU	30.5 mV	20.75 ft	400.00 ml/min
5/30/2023 1:52 PM	04:00	5.96 pH	18.58 °C	264.54 µS/cm	0.10 mg/L	9.56 NTU	31.3 mV	20.75 ft	400.00 ml/min
5/30/2023 1:56 PM	08:00	5.99 pH	18.97 °C	266.55 µS/cm	0.08 mg/L	12.06 NTU	28.6 mV	20.75 ft	400.00 ml/min
5/30/2023 2:00 PM	12:00	6.03 pH	18.93 °C	265.06 µS/cm	0.08 mg/L	14.50 NTU	29.6 mV	20.75 ft	400.00 ml/min
5/30/2023 2:04 PM	16:00	6.04 pH	19.07 °C	265.90 µS/cm	0.08 mg/L	14.30 NTU	26.7 mV	20.75 ft	400.00 ml/min
5/30/2023 2:08 PM	20:00	6.05 pH	19.15 °C	264.99 µS/cm	0.07 mg/L	10.42 NTU	26.4 mV	20.75 ft	400.00 ml/min
5/30/2023 2:12 PM	24:00	6.07 pH	19.22 °C	268.44 µS/cm	0.09 mg/L	11.50 NTU	24.9 mV	20.75 ft	400.00 ml/min
5/30/2023 2:16 PM	28:00	6.10 pH	18.53 °C	265.08 µS/cm	0.06 mg/L	10.01 NTU	27.3 mV	20.75 ft	400.00 ml/min
5/30/2023 2:20 PM	32:00	6.11 pH	19.00 °C	266.67 µS/cm	0.07 mg/L	8.46 NTU	24.9 mV	20.75 ft	400.00 ml/min
5/30/2023 2:24 PM	36:00	6.13 pH	18.58 °C	264.37 µS/cm	0.05 mg/L	8.45 NTU	25.8 mV	20.75 ft	400.00 ml/min
5/30/2023 2:28 PM	40:00	6.13 pH	19.09 °C	266.82 µS/cm	0.06 mg/L	7.76 NTU	21.7 mV	20.75 ft	400.00 ml/min
5/30/2023 2:32 PM	44:00	6.14 pH	18.99 °C	267.30 µS/cm	0.08 mg/L	6.25 NTU	22.9 mV	20.75 ft	400.00 ml/min
5/30/2023 2:36 PM	48:00	6.16 pH	18.94 °C	266.93 µS/cm	0.07 mg/L	9.03 NTU	22.0 mV	20.75 ft	400.00 ml/min
5/30/2023 2:40 PM	52:00	6.17 pH	19.02 °C	267.57 µS/cm	0.07 mg/L	4.62 NTU	20.3 mV	20.75 ft	400.00 ml/min
5/30/2023 2:44 PM	56:00	6.18 pH	18.89 °C	267.47 µS/cm	0.08 mg/L	3.93 NTU	20.0 mV	20.75 ft	400.00 ml/min

5/30/2023 2:48 PM	01:00:00	6.19 pH	18.74 °C	267.96 µS/cm	0.06 mg/L	4.38 NTU	20.7 mV	20.75 ft	400.00 ml/min
5/30/2023 2:52 PM	01:04:00	6.20 pH	18.67 °C	267.81 µS/cm	0.08 mg/L	4.60 NTU	19.9 mV	20.75 ft	400.00 ml/min
5/30/2023 2:56 PM	01:08:00	6.22 pH	18.49 °C	267.08 µS/cm	0.05 mg/L	3.91 NTU	20.4 mV	20.75 ft	400.00 ml/min
5/30/2023 3:00 PM	01:12:00	6.22 pH	18.58 °C	268.00 µS/cm	0.07 mg/L	4.37 NTU	18.9 mV	20.75 ft	400.00 ml/min
5/30/2023 3:04 PM	01:16:00	6.23 pH	18.40 °C	267.97 µS/cm	0.07 mg/L	3.64 NTU	18.6 mV	20.75 ft	400.00 ml/min
5/30/2023 3:08 PM	01:20:00	6.25 pH	18.18 °C	267.97 µS/cm	0.07 mg/L	3.20 NTU	19.6 mV	20.75 ft	400.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/31/2023 2:37:09 PM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWA-34R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 91.25 ft Total Depth: 101.25 ft Initial Depth to Water: 20.27 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 96.25 ft Estimated Total Volume Pumped: 30400 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.29 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	---	--

Test Notes:

Prepurge 565L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/31/2023 2:37 PM	00:00	6.59 pH	17.86 °C	359.52 µS/cm	0.17 mg/L	11.30 NTU	48.5 mV	20.56 ft	400.00 ml/min
5/31/2023 2:41 PM	04:00	6.53 pH	17.71 °C	364.68 µS/cm	0.14 mg/L	11.98 NTU	53.0 mV	20.56 ft	400.00 ml/min
5/31/2023 2:45 PM	08:00	6.53 pH	17.77 °C	364.74 µS/cm	0.15 mg/L	11.67 NTU	53.2 mV	20.56 ft	400.00 ml/min
5/31/2023 2:49 PM	12:00	6.55 pH	17.51 °C	364.22 µS/cm	0.16 mg/L	11.06 NTU	53.8 mV	20.56 ft	400.00 ml/min
5/31/2023 2:53 PM	16:00	6.53 pH	17.73 °C	364.61 µS/cm	0.16 mg/L	10.38 NTU	53.4 mV	20.56 ft	400.00 ml/min
5/31/2023 2:57 PM	20:00	6.57 pH	17.54 °C	366.63 µS/cm	0.17 mg/L	9.01 NTU	52.0 mV	20.56 ft	400.00 ml/min
5/31/2023 3:01 PM	24:00	6.61 pH	17.49 °C	365.02 µS/cm	0.17 mg/L	9.20 NTU	51.8 mV	20.56 ft	400.00 ml/min
5/31/2023 3:05 PM	28:00	6.62 pH	17.33 °C	364.38 µS/cm	0.17 mg/L	8.24 NTU	52.1 mV	20.56 ft	400.00 ml/min
5/31/2023 3:09 PM	32:00	6.63 pH	17.30 °C	365.59 µS/cm	0.17 mg/L	8.49 NTU	51.0 mV	20.56 ft	400.00 ml/min
5/31/2023 3:13 PM	36:00	6.64 pH	17.68 °C	365.89 µS/cm	0.18 mg/L	7.35 NTU	48.6 mV	20.56 ft	400.00 ml/min
5/31/2023 3:17 PM	40:00	6.65 pH	17.82 °C	365.06 µS/cm	0.19 mg/L	8.33 NTU	47.6 mV	20.56 ft	400.00 ml/min
5/31/2023 3:21 PM	44:00	6.64 pH	17.91 °C	365.26 µS/cm	0.17 mg/L	7.74 NTU	45.6 mV	20.56 ft	400.00 ml/min
5/31/2023 3:25 PM	48:00	6.66 pH	17.60 °C	365.57 µS/cm	0.17 mg/L	7.30 NTU	47.7 mV	20.56 ft	400.00 ml/min
5/31/2023 3:29 PM	52:00	6.66 pH	17.73 °C	365.63 µS/cm	0.18 mg/L	6.30 NTU	46.4 mV	20.56 ft	400.00 ml/min
5/31/2023 3:33 PM	56:00	6.65 pH	17.90 °C	365.24 µS/cm	0.19 mg/L	6.41 NTU	46.0 mV	20.56 ft	400.00 ml/min

5/31/2023 3:37 PM	01:00:00	6.65 pH	17.89 °C	364.99 µS/cm	0.20 mg/L	6.30 NTU	45.7 mV	20.56 ft	400.00 ml/min
5/31/2023 3:41 PM	01:04:00	6.66 pH	17.66 °C	365.09 µS/cm	0.17 mg/L	5.70 NTU	46.4 mV	20.56 ft	400.00 ml/min
5/31/2023 3:45 PM	01:08:00	6.66 pH	17.63 °C	365.24 µS/cm	0.17 mg/L	5.63 NTU	46.5 mV	20.56 ft	400.00 ml/min
5/31/2023 3:49 PM	01:12:00	6.66 pH	17.51 °C	364.91 µS/cm	0.17 mg/L	5.04 NTU	45.3 mV	20.56 ft	400.00 ml/min
5/31/2023 3:53 PM	01:16:00	6.66 pH	17.46 °C	365.78 µS/cm	0.19 mg/L	4.99 NTU	45.7 mV	20.56 ft	400.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/4/2023 10:53:00 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWA-35 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.61 ft Total Depth: 68.61 ft Initial Depth to Water: 41.95 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 38.05 ft Estimated Total Volume Pumped: 30000 ml Flow Cell Volume: 90 ml Final Flow Rate: 1500 ml/min Final Draw Down: 2.95 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:

Prepurge 182L

Grey water at beginning of development

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/4/2023 10:53 AM	00:00	7.20 pH	17.24 °C	533.99 µS/cm	1.71 mg/L	1.93 NTU	92.2 mV	44.89 ft	1.50 l/min
5/4/2023 10:57 AM	04:00	7.19 pH	17.24 °C	529.42 µS/cm	1.65 mg/L	1.97 NTU	87.4 mV	44.92 ft	1.50 l/min
5/4/2023 11:01 AM	08:00	7.18 pH	17.23 °C	528.94 µS/cm	1.72 mg/L	1.73 NTU	87.3 mV	44.91 ft	1.50 l/min
5/4/2023 11:05 AM	12:00	7.18 pH	17.16 °C	529.27 µS/cm	1.66 mg/L	1.52 NTU	87.7 mV	44.91 ft	1.50 l/min
5/4/2023 11:09 AM	16:00	7.17 pH	17.17 °C	529.24 µS/cm	1.60 mg/L	1.62 NTU	88.2 mV	44.90 ft	1.50 l/min
5/4/2023 11:13 AM	20:00	7.17 pH	17.17 °C	529.65 µS/cm	1.71 mg/L	1.52 NTU	89.0 mV	44.90 ft	1.50 l/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 6/2/2023 9:36:00 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWA-57 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 71.13 ft Total Depth: 81.13 ft Initial Depth to Water: 22.91 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 76.13 ft Estimated Total Volume Pumped: 44800 ml Flow Cell Volume: 90 ml Final Flow Rate: 800 ml/min Final Draw Down: 1.5 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:

Prepurge 882L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
6/2/2023 9:36 AM	00:00	7.43 pH	20.14 °C	314.21 µS/cm	1.02 mg/L	7.01 NTU	190.7 mV	24.41 ft	800.00 ml/min
6/2/2023 9:40 AM	04:00	7.44 pH	17.77 °C	326.80 µS/cm	0.17 mg/L	4.94 NTU	121.1 mV	24.41 ft	800.00 ml/min
6/2/2023 9:44 AM	08:00	7.46 pH	17.72 °C	326.99 µS/cm	0.16 mg/L	4.91 NTU	101.6 mV	24.41 ft	800.00 ml/min
6/2/2023 9:48 AM	12:00	7.46 pH	17.67 °C	328.18 µS/cm	0.16 mg/L	5.04 NTU	93.9 mV	24.41 ft	800.00 ml/min
6/2/2023 9:52 AM	16:00	7.46 pH	17.60 °C	329.12 µS/cm	0.16 mg/L	5.00 NTU	91.0 mV	24.41 ft	800.00 ml/min
6/2/2023 9:56 AM	20:00	7.47 pH	17.64 °C	328.61 µS/cm	0.16 mg/L	7.66 NTU	89.0 mV	24.41 ft	800.00 ml/min
6/2/2023 10:00 AM	24:00	7.47 pH	17.64 °C	328.64 µS/cm	0.16 mg/L	8.49 NTU	87.6 mV	24.41 ft	800.00 ml/min
6/2/2023 10:04 AM	28:00	7.47 pH	17.91 °C	327.71 µS/cm	0.16 mg/L	7.46 NTU	87.4 mV	24.41 ft	800.00 ml/min
6/2/2023 10:08 AM	32:00	7.46 pH	18.09 °C	328.74 µS/cm	0.12 mg/L	7.32 NTU	86.8 mV	24.41 ft	800.00 ml/min
6/2/2023 10:12 AM	36:00	7.46 pH	18.20 °C	327.83 µS/cm	0.09 mg/L	6.98 NTU	86.0 mV	24.41 ft	800.00 ml/min
6/2/2023 10:16 AM	40:00	7.46 pH	18.13 °C	328.24 µS/cm	0.09 mg/L	6.14 NTU	85.6 mV	24.41 ft	800.00 ml/min
6/2/2023 10:20 AM	44:00	7.46 pH	18.12 °C	328.36 µS/cm	0.10 mg/L	6.07 NTU	85.5 mV	24.41 ft	800.00 ml/min
6/2/2023 10:24 AM	48:00	7.46 pH	18.22 °C	327.51 µS/cm	0.09 mg/L	6.19 NTU	86.0 mV	24.41 ft	800.00 ml/min
6/2/2023 10:28 AM	52:00	7.45 pH	18.38 °C	328.04 µS/cm	0.08 mg/L	6.42 NTU	86.2 mV	24.41 ft	800.00 ml/min
6/2/2023 10:32 AM	56:00	7.45 pH	18.62 °C	327.49 µS/cm	0.05 mg/L	6.00 NTU	85.1 mV	24.41 ft	800.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/4/2023 11:48:42 AM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWC-26 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 31.81 ft Total Depth: 41.81 ft Initial Depth to Water: 22.44 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 36.81 ft Estimated Total Volume Pumped: 40000 ml Flow Cell Volume: 90 ml Final Flow Rate: 1000 ml/min Final Draw Down: 0.16 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
---	--	--

Test Notes:

Prepurged 308 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/4/2023 11:48 AM	00:00	7.14 pH	18.35 °C	410.77 µS/cm	4.20 mg/L	7.36 NTU	84.9 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 11:52 AM	04:00	7.14 pH	18.30 °C	410.76 µS/cm	4.14 mg/L	5.82 NTU	72.2 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 11:56 AM	08:00	7.14 pH	18.41 °C	409.51 µS/cm	4.18 mg/L	6.37 NTU	68.6 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:00 PM	12:00	7.15 pH	18.43 °C	410.67 µS/cm	4.18 mg/L	5.41 NTU	66.2 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:04 PM	16:00	7.15 pH	18.39 °C	410.30 µS/cm	4.18 mg/L	4.71 NTU	65.0 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:08 PM	20:00	7.16 pH	18.48 °C	409.39 µS/cm	4.15 mg/L	3.78 NTU	64.2 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:12 PM	24:00	7.15 pH	18.58 °C	410.82 µS/cm	4.18 mg/L	3.47 NTU	63.8 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:16 PM	28:00	7.17 pH	18.53 °C	410.20 µS/cm	4.17 mg/L	3.09 NTU	62.9 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:20 PM	32:00	7.17 pH	18.55 °C	410.80 µS/cm	4.19 mg/L	2.73 NTU	62.6 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:24 PM	36:00	7.17 pH	18.63 °C	409.97 µS/cm	4.11 mg/L	2.75 NTU	62.4 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:28 PM	40:00	7.16 pH	18.79 °C	410.38 µS/cm	4.14 mg/L	2.24 NTU	62.6 mV	22.60 ft	0.20 PSU	1,000.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/10/2023 2:09:26 PM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

<p>Location Name: GWC-27 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 35.43 ft Total Depth: 45.43 ft Initial Depth to Water: 22.96 ft</p>	<p>Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 40.43 ft Estimated Total Volume Pumped: 16800 ml Flow Cell Volume: 90 ml Final Flow Rate: 300 ml/min Final Draw Down: 0.13 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789310</p>
--	--	---

Test Notes:

Prepurged 333 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/10/2023 2:09 PM	00:00	7.09 pH	21.09 °C	544.99 µS/cm	4.08 mg/L	8.56 NTU	78.3 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:13 PM	04:00	7.08 pH	21.00 °C	549.96 µS/cm	4.06 mg/L	8.37 NTU	75.4 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:17 PM	08:00	7.07 pH	20.87 °C	556.45 µS/cm	4.03 mg/L	7.00 NTU	74.7 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:21 PM	12:00	7.06 pH	21.09 °C	548.72 µS/cm	4.10 mg/L	8.67 NTU	73.1 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:25 PM	16:00	7.06 pH	21.09 °C	546.04 µS/cm	4.10 mg/L	8.07 NTU	72.4 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:29 PM	20:00	7.07 pH	20.96 °C	548.42 µS/cm	4.06 mg/L	7.78 NTU	72.3 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:33 PM	24:00	7.07 pH	20.65 °C	545.95 µS/cm	4.06 mg/L	7.18 NTU	72.3 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:37 PM	28:00	7.06 pH	20.42 °C	551.97 µS/cm	4.09 mg/L	6.66 NTU	72.7 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:41 PM	32:00	7.06 pH	20.20 °C	555.27 µS/cm	4.03 mg/L	5.63 NTU	73.0 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:45 PM	36:00	7.06 pH	20.20 °C	549.93 µS/cm	4.09 mg/L	6.24 NTU	72.5 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:49 PM	40:00	7.05 pH	20.31 °C	551.40 µS/cm	4.07 mg/L	5.81 NTU	72.4 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:53 PM	44:00	7.05 pH	20.11 °C	554.97 µS/cm	4.06 mg/L	5.46 NTU	72.9 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:57 PM	48:00	7.04 pH	19.89 °C	558.62 µS/cm	4.04 mg/L	4.48 NTU	73.3 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 3:01 PM	52:00	7.04 pH	20.02 °C	559.12 µS/cm	4.06 mg/L	4.31 NTU	73.0 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 3:05 PM	56:00	7.04 pH	19.79 °C	557.11 µS/cm	4.04 mg/L	4.47 NTU	73.4 mV	23.09 ft	0.27 PSU	300.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/22/2023 2:14:38 PM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWC-27R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.3 ft Total Depth: 92.3 ft Initial Depth to Water: 23.86 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 87.3 ft Estimated Total Volume Pumped: 80000 ml Flow Cell Volume: 90 ml Final Flow Rate: 1000 ml/min Final Draw Down: 7.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	---	--

Test Notes:

Prepurge 392L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/22/2023 2:14 PM	00:00	7.55 pH	17.64 °C	300.55 µS/cm	6.65 mg/L	10.49 NTU	141.1 mV	30.30 ft	1,000.00 ml/min
5/22/2023 2:18 PM	04:00	7.61 pH	17.68 °C	301.01 µS/cm	6.64 mg/L	9.57 NTU	139.8 mV	30.51 ft	1,000.00 ml/min
5/22/2023 2:22 PM	08:00	7.62 pH	17.55 °C	301.99 µS/cm	6.64 mg/L	6.56 NTU	139.9 mV	30.55 ft	1,000.00 ml/min
5/22/2023 2:26 PM	12:00	7.60 pH	17.64 °C	301.42 µS/cm	6.64 mg/L	5.49 NTU	140.4 mV	30.60 ft	1,000.00 ml/min
5/22/2023 2:30 PM	16:00	7.61 pH	17.54 °C	301.59 µS/cm	6.67 mg/L	4.89 NTU	140.4 mV	30.65 ft	1,000.00 ml/min
5/22/2023 2:34 PM	20:00	7.64 pH	17.55 °C	301.59 µS/cm	6.67 mg/L	4.97 NTU	140.0 mV	30.70 ft	1,000.00 ml/min
5/22/2023 2:38 PM	24:00	7.65 pH	17.53 °C	301.47 µS/cm	6.66 mg/L	4.20 NTU	140.3 mV	30.73 ft	1,000.00 ml/min
5/22/2023 2:42 PM	28:00	7.65 pH	17.55 °C	301.70 µS/cm	6.66 mg/L	5.75 NTU	140.5 mV	30.76 ft	1,000.00 ml/min
5/22/2023 2:46 PM	32:00	7.65 pH	17.55 °C	301.71 µS/cm	6.65 mg/L	5.48 NTU	140.4 mV	30.81 ft	1,000.00 ml/min
5/22/2023 2:50 PM	36:00	7.64 pH	17.64 °C	301.67 µS/cm	6.65 mg/L	5.07 NTU	140.6 mV	30.83 ft	1,000.00 ml/min
5/22/2023 2:54 PM	40:00	7.63 pH	17.59 °C	301.60 µS/cm	6.62 mg/L	3.97 NTU	140.8 mV	30.85 ft	1,000.00 ml/min
5/22/2023 2:58 PM	44:00	7.63 pH	17.54 °C	301.97 µS/cm	6.63 mg/L	3.98 NTU	141.0 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:02 PM	48:00	7.61 pH	17.48 °C	301.56 µS/cm	6.61 mg/L	3.65 NTU	141.5 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:06 PM	52:00	7.60 pH	17.56 °C	301.88 µS/cm	6.61 mg/L	3.47 NTU	141.6 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:10 PM	56:00	7.60 pH	17.44 °C	301.87 µS/cm	6.62 mg/L	3.78 NTU	141.6 mV	30.89 ft	1,000.00 ml/min

5/22/2023 3:14 PM	01:00:00	7.60 pH	17.42 °C	301.68 µS/cm	6.61 mg/L	3.86 NTU	141.7 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:18 PM	01:04:00	7.59 pH	17.35 °C	301.73 µS/cm	6.62 mg/L	3.82 NTU	141.9 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:22 PM	01:08:00	7.59 pH	17.31 °C	301.76 µS/cm	6.62 mg/L	3.49 NTU	141.8 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:26 PM	01:12:00	7.59 pH	17.41 °C	301.75 µS/cm	6.61 mg/L	3.90 NTU	142.1 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:30 PM	01:16:00	7.58 pH	17.46 °C	301.36 µS/cm	6.60 mg/L	3.09 NTU	141.8 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:34 PM	01:20:00	7.59 pH	17.41 °C	302.21 µS/cm	6.62 mg/L	2.79 NTU	141.7 mV	30.89 ft	1,000.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/10/2023 9:56:12 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWC-28 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.31 ft Total Depth: 47.31 ft Initial Depth to Water: 22.35 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 38.05 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 5.95 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:

Prepurge 175L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/10/2023 9:56 AM	00:00	7.39 pH	17.64 °C	259.82 µS/cm	7.02 mg/L	2.58 NTU	159.1 mV	27.80 ft	250.00 ml/min
5/10/2023 10:00 AM	04:00	7.45 pH	17.46 °C	259.63 µS/cm	7.08 mg/L	1.74 NTU	144.5 mV	28.00 ft	250.00 ml/min
5/10/2023 10:04 AM	08:00	7.47 pH	17.57 °C	260.07 µS/cm	7.23 mg/L	1.16 NTU	140.3 mV	28.15 ft	250.00 ml/min
5/10/2023 10:08 AM	12:00	7.49 pH	17.66 °C	260.20 µS/cm	7.32 mg/L	1.74 NTU	137.9 mV	28.23 ft	250.00 ml/min
5/10/2023 10:12 AM	16:00	7.49 pH	17.70 °C	261.41 µS/cm	7.36 mg/L	1.92 NTU	137.9 mV	28.27 ft	250.00 ml/min
5/10/2023 10:16 AM	20:00	7.49 pH	18.06 °C	261.56 µS/cm	7.60 mg/L	1.73 NTU	137.9 mV	28.28 ft	250.00 ml/min
5/10/2023 10:20 AM	24:00	7.50 pH	17.71 °C	262.22 µS/cm	7.66 mg/L	1.39 NTU	137.4 mV	28.30 ft	250.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/24/2023 9:27:48 AM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWC-29 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 51.69 ft Total Depth: 61.69 ft Initial Depth to Water: 27.31 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 56.69 ft Estimated Total Volume Pumped: 24000 ml Flow Cell Volume: 90 ml Final Flow Rate: 1000 ml/min Final Draw Down: 0.18 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
---	--	--

Test Notes:

Prepurged 772 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/24/2023 9:27 AM	00:00	7.21 pH	16.23 °C	303.73 µS/cm	4.33 mg/L	4.05 NTU	69.9 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:31 AM	04:00	7.20 pH	16.23 °C	304.43 µS/cm	4.45 mg/L	2.77 NTU	67.4 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:35 AM	08:00	7.21 pH	16.25 °C	303.39 µS/cm	4.39 mg/L	1.80 NTU	66.0 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:39 AM	12:00	7.21 pH	16.27 °C	298.14 µS/cm	4.39 mg/L	1.33 NTU	65.3 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:43 AM	16:00	7.22 pH	16.27 °C	304.52 µS/cm	4.36 mg/L	0.89 NTU	65.0 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:47 AM	20:00	7.22 pH	16.27 °C	304.99 µS/cm	4.36 mg/L	0.76 NTU	64.5 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:51 AM	24:00	7.22 pH	16.27 °C	304.98 µS/cm	4.33 mg/L	0.41 NTU	63.9 mV	27.49 ft	0.16 PSU	1,000.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/30/2023 2:48:12 PM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 27.83 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 6400 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 45.16 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
---	--	--

Test Notes:

Prepurged 119 L

Drawdown did not stabilize but all other criteria stable.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/30/2023 2:48 PM	00:00	7.48 pH	22.34 °C	317.46 µS/cm	4.48 mg/L	2.57 NTU	37.7 mV	66.22 ft	0.17 PSU	200.00 ml/min
5/30/2023 2:52 PM	04:00	7.48 pH	21.27 °C	319.61 µS/cm	5.01 mg/L	2.47 NTU	37.7 mV	67.06 ft	0.17 PSU	200.00 ml/min
5/30/2023 2:56 PM	08:00	7.50 pH	21.08 °C	326.38 µS/cm	5.14 mg/L	1.93 NTU	40.6 mV	68.08 ft	0.17 PSU	200.00 ml/min
5/30/2023 3:00 PM	12:00	7.50 pH	21.29 °C	335.45 µS/cm	5.16 mg/L	1.40 NTU	40.6 mV	69.18 ft	0.18 PSU	200.00 ml/min
5/30/2023 3:04 PM	16:00	7.49 pH	22.05 °C	337.08 µS/cm	5.15 mg/L	1.31 NTU	39.2 mV	70.09 ft	0.18 PSU	200.00 ml/min
5/30/2023 3:08 PM	20:00	7.49 pH	22.25 °C	336.57 µS/cm	5.16 mg/L	0.96 NTU	39.1 mV	70.92 ft	0.18 PSU	200.00 ml/min
5/30/2023 3:12 PM	24:00	7.48 pH	23.06 °C	334.34 µS/cm	4.93 mg/L	0.83 NTU	37.3 mV	71.64 ft	0.18 PSU	200.00 ml/min
5/30/2023 3:16 PM	28:00	7.47 pH	23.07 °C	328.27 µS/cm	4.75 mg/L	0.60 NTU	37.7 mV	72.40 ft	0.17 PSU	200.00 ml/min
5/30/2023 3:20 PM	32:00	7.45 pH	23.86 °C	331.14 µS/cm	4.66 mg/L	0.66 NTU	37.5 mV	72.99 ft	0.18 PSU	200.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/17/2023 9:43:58 AM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

<p>Location Name: GWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41 ft Total Depth: 51 ft Initial Depth to Water: 32.68 ft</p>	<p>Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 50 ft Estimated Total Volume Pumped: 7040 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 8.41 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789310</p>
--	--	---

Test Notes:

Prepurged 166 L

Drawdown did not stabilize. DTW dropped below screen interval with stable criteria and low turbidity. Development complete.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/17/2023 9:43 AM	00:00	7.17 pH	19.16 °C	292.12 µS/cm	8.49 mg/L	0.21 NTU	71.8 mV	36.69 ft	0.16 PSU	110.00 ml/min
5/17/2023 9:47 AM	04:00	7.17 pH	19.09 °C	290.27 µS/cm	8.39 mg/L	0.39 NTU	70.9 mV	36.94 ft	0.15 PSU	110.00 ml/min
5/17/2023 9:51 AM	08:00	7.16 pH	19.17 °C	290.22 µS/cm	8.33 mg/L	1.14 NTU	70.5 mV	37.30 ft	0.15 PSU	110.00 ml/min
5/17/2023 9:55 AM	12:00	7.16 pH	19.31 °C	290.16 µS/cm	8.31 mg/L	1.56 NTU	70.9 mV	37.57 ft	0.15 PSU	110.00 ml/min
5/17/2023 9:59 AM	16:00	7.16 pH	19.22 °C	288.99 µS/cm	8.16 mg/L	1.70 NTU	69.8 mV	37.86 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:03 AM	20:00	7.16 pH	19.03 °C	288.86 µS/cm	8.16 mg/L	1.82 NTU	70.0 mV	38.25 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:07 AM	24:00	7.15 pH	19.25 °C	290.00 µS/cm	8.15 mg/L	1.87 NTU	70.1 mV	38.50 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:11 AM	28:00	7.16 pH	19.47 °C	288.56 µS/cm	8.07 mg/L	1.89 NTU	70.0 mV	38.75 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:15 AM	32:00	7.16 pH	19.29 °C	289.38 µS/cm	8.11 mg/L	1.51 NTU	69.6 mV	39.05 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:19 AM	36:00	7.16 pH	19.26 °C	289.61 µS/cm	8.10 mg/L	1.43 NTU	69.9 mV	39.32 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:23 AM	40:00	7.17 pH	19.11 °C	288.23 µS/cm	8.02 mg/L	1.15 NTU	70.4 mV	39.61 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:27 AM	44:00	7.17 pH	19.05 °C	289.40 µS/cm	8.06 mg/L	1.37 NTU	70.4 mV	39.91 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:31 AM	48:00	7.16 pH	19.24 °C	289.76 µS/cm	8.03 mg/L	0.61 NTU	69.9 mV	40.17 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:35 AM	52:00	7.17 pH	19.13 °C	288.72 µS/cm	7.94 mg/L	0.52 NTU	70.4 mV	40.48 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:39 AM	56:00	7.17 pH	19.13 °C	289.23 µS/cm	7.96 mg/L	0.07 NTU	70.5 mV	40.75 ft	0.15 PSU	110.00 ml/min

5/17/2023 10:43 AM	01:00:00	7.16 pH	19.38 °C	289.62 μS/cm	7.94 mg/L	0.78 NTU	70.6 mV	40.96 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:47 AM	01:04:00	7.16 pH	19.84 °C	290.22 μS/cm	7.89 mg/L	0.82 NTU	69.7 mV	41.09 ft	0.15 PSU	110.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/12/2023 10:57:53 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWC-31 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 60.18 ft Total Depth: 70.18 ft Initial Depth to Water: 30.5 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 38.05 ft Estimated Total Volume Pumped: 34000 ml Flow Cell Volume: 90 ml Final Flow Rate: 500 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	--	--

Test Notes:

Prepurge 546L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/12/2023 10:57 AM	00:00	7.30 pH	20.46 °C	357.72 µS/cm	4.57 mg/L	10.86 NTU	204.5 mV	30.60 ft	500.00 ml/min
5/12/2023 11:01 AM	04:00	7.14 pH	17.51 °C	331.88 µS/cm	1.86 mg/L	9.43 NTU	151.5 mV	30.60 ft	500.00 ml/min
5/12/2023 11:05 AM	08:00	7.10 pH	17.54 °C	332.83 µS/cm	1.83 mg/L	10.61 NTU	131.9 mV	30.60 ft	500.00 ml/min
5/12/2023 11:09 AM	12:00	7.09 pH	17.58 °C	333.23 µS/cm	1.86 mg/L	9.43 NTU	125.3 mV	30.60 ft	500.00 ml/min
5/12/2023 11:13 AM	16:00	7.08 pH	17.53 °C	333.28 µS/cm	1.85 mg/L	9.31 NTU	122.8 mV	30.60 ft	500.00 ml/min
5/12/2023 11:17 AM	20:00	7.07 pH	17.52 °C	332.74 µS/cm	1.85 mg/L	7.56 NTU	122.0 mV	30.60 ft	500.00 ml/min
5/12/2023 11:21 AM	24:00	7.07 pH	17.49 °C	332.88 µS/cm	1.86 mg/L	5.79 NTU	121.2 mV	30.60 ft	500.00 ml/min
5/12/2023 11:25 AM	28:00	7.06 pH	17.55 °C	332.65 µS/cm	1.88 mg/L	4.83 NTU	120.8 mV	30.60 ft	500.00 ml/min
5/12/2023 11:29 AM	32:00	7.07 pH	17.56 °C	333.19 µS/cm	1.87 mg/L	5.55 NTU	120.3 mV	30.60 ft	500.00 ml/min
5/12/2023 11:33 AM	36:00	7.06 pH	17.77 °C	333.39 µS/cm	1.87 mg/L	4.18 NTU	120.2 mV	30.60 ft	500.00 ml/min
5/12/2023 11:37 AM	40:00	7.06 pH	18.00 °C	334.25 µS/cm	1.86 mg/L	3.57 NTU	120.5 mV	30.60 ft	500.00 ml/min
5/12/2023 11:41 AM	44:00	7.06 pH	17.97 °C	333.34 µS/cm	1.86 mg/L	3.91 NTU	121.1 mV	30.60 ft	500.00 ml/min
5/12/2023 11:45 AM	48:00	7.06 pH	18.00 °C	334.10 µS/cm	1.84 mg/L	3.06 NTU	121.0 mV	30.60 ft	500.00 ml/min
5/12/2023 11:49 AM	52:00	7.07 pH	17.94 °C	333.65 µS/cm	1.85 mg/L	2.67 NTU	121.3 mV	30.60 ft	500.00 ml/min
5/12/2023 11:53 AM	56:00	7.07 pH	17.87 °C	333.78 µS/cm	1.87 mg/L	2.69 NTU	121.9 mV	30.60 ft	500.00 ml/min

5/12/2023 11:57 AM	01:00:00	7.07 pH	17.92 °C	333.98 µS/cm	1.86 mg/L	2.93 NTU	121.9 mV	30.60 ft	500.00 ml/min
5/12/2023 12:01 PM	01:04:00	7.07 pH	18.09 °C	334.17 µS/cm	1.85 mg/L	2.48 NTU	122.3 mV	30.60 ft	500.00 ml/min
5/12/2023 12:05 PM	01:08:00	7.07 pH	18.09 °C	334.10 µS/cm	1.87 mg/L	2.40 NTU	123.0 mV	30.60 ft	500.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/17/2023 9:50:43 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWC-31R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 98.89 ft Total Depth: 108.89 ft Initial Depth to Water: 30.92 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 103.89 ft Estimated Total Volume Pumped: 54000 ml Flow Cell Volume: 90 ml Final Flow Rate: 750 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:

Prepurge 868L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/17/2023 9:50 AM	00:00	7.19 pH	19.62 °C	290.80 µS/cm	3.26 mg/L	6.34 NTU	187.8 mV	30.94 ft	750.00 ml/min
5/17/2023 9:54 AM	04:00	7.22 pH	17.55 °C	300.01 µS/cm	3.09 mg/L	5.50 NTU	159.8 mV	30.94 ft	750.00 ml/min
5/17/2023 9:58 AM	08:00	7.20 pH	17.42 °C	300.15 µS/cm	3.11 mg/L	3.33 NTU	148.5 mV	30.94 ft	750.00 ml/min
5/17/2023 10:02 AM	12:00	7.18 pH	17.49 °C	299.91 µS/cm	3.14 mg/L	3.07 NTU	142.2 mV	30.94 ft	750.00 ml/min
5/17/2023 10:06 AM	16:00	7.17 pH	17.46 °C	300.01 µS/cm	3.12 mg/L	2.94 NTU	138.9 mV	30.94 ft	750.00 ml/min
5/17/2023 10:10 AM	20:00	7.18 pH	17.51 °C	299.72 µS/cm	3.18 mg/L	2.77 NTU	136.6 mV	30.94 ft	750.00 ml/min
5/17/2023 10:14 AM	24:00	7.17 pH	17.46 °C	299.38 µS/cm	3.19 mg/L	2.84 NTU	135.1 mV	30.94 ft	750.00 ml/min
5/17/2023 10:18 AM	28:00	7.17 pH	17.42 °C	299.14 µS/cm	3.21 mg/L	2.68 NTU	133.8 mV	30.94 ft	750.00 ml/min
5/17/2023 10:22 AM	32:00	7.16 pH	17.38 °C	299.21 µS/cm	3.23 mg/L	2.81 NTU	133.0 mV	30.94 ft	750.00 ml/min
5/17/2023 10:26 AM	36:00	7.16 pH	17.42 °C	299.19 µS/cm	3.26 mg/L	2.59 NTU	132.1 mV	30.94 ft	750.00 ml/min
5/17/2023 10:30 AM	40:00	7.16 pH	17.44 °C	299.11 µS/cm	3.22 mg/L	3.17 NTU	131.1 mV	30.94 ft	750.00 ml/min
5/17/2023 10:34 AM	44:00	7.16 pH	17.46 °C	299.14 µS/cm	3.29 mg/L	3.36 NTU	130.6 mV	30.94 ft	750.00 ml/min
5/17/2023 10:38 AM	48:00	7.16 pH	17.46 °C	298.64 µS/cm	3.24 mg/L	2.75 NTU	130.1 mV	30.94 ft	750.00 ml/min
5/17/2023 10:42 AM	52:00	7.16 pH	17.46 °C	298.70 µS/cm	3.30 mg/L	3.05 NTU	129.6 mV	30.94 ft	750.00 ml/min
5/17/2023 10:46 AM	56:00	7.16 pH	17.60 °C	298.87 µS/cm	3.24 mg/L	3.52 NTU	129.3 mV	30.94 ft	750.00 ml/min

5/17/2023 10:50 AM	01:00:00	7.15 pH	17.77 °C	299.55 µS/cm	3.31 mg/L	2.38 NTU	129.0 mV	30.94 ft	750.00 ml/min
5/17/2023 10:54 AM	01:04:00	7.16 pH	17.82 °C	299.06 µS/cm	3.32 mg/L	2.54 NTU	128.8 mV	30.94 ft	750.00 ml/min
5/17/2023 10:58 AM	01:08:00	7.16 pH	17.76 °C	298.26 µS/cm	3.34 mg/L	2.30 NTU	129.0 mV	30.94 ft	750.00 ml/min
5/17/2023 11:02 AM	01:12:00	7.15 pH	17.63 °C	299.23 µS/cm	3.36 mg/L	2.28 NTU	129.1 mV	30.94 ft	750.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 5/24/2023 10:45:28 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWC-32 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.43 ft Total Depth: 62.43 ft Initial Depth to Water: 39.86 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 57.43 ft Estimated Total Volume Pumped: 7000 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 8.67 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:

Prepurge 93L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/24/2023 10:45 AM	00:00	7.20 pH	31.42 °C	362.19 µS/cm	5.87 mg/L	11.89 NTU	138.6 mV	48.21 ft	250.00 ml/min
5/24/2023 10:49 AM	04:00	7.08 pH	22.59 °C	387.04 µS/cm	6.04 mg/L	7.07 NTU	133.0 mV	48.34 ft	250.00 ml/min
5/24/2023 10:53 AM	08:00	7.04 pH	21.91 °C	388.09 µS/cm	6.16 mg/L	4.47 NTU	134.2 mV	48.47 ft	250.00 ml/min
5/24/2023 10:57 AM	12:00	7.01 pH	22.22 °C	388.54 µS/cm	6.09 mg/L	3.05 NTU	134.9 mV	48.50 ft	250.00 ml/min
5/24/2023 11:01 AM	16:00	6.99 pH	22.26 °C	386.86 µS/cm	6.05 mg/L	3.60 NTU	136.3 mV	48.51 ft	250.00 ml/min
5/24/2023 11:05 AM	20:00	6.98 pH	22.41 °C	386.99 µS/cm	6.08 mg/L	3.86 NTU	137.8 mV	48.53 ft	250.00 ml/min
5/24/2023 11:09 AM	24:00	6.97 pH	22.46 °C	386.66 µS/cm	6.06 mg/L	3.43 NTU	138.3 mV	48.53 ft	250.00 ml/min
5/24/2023 11:13 AM	28:00	6.96 pH	22.74 °C	387.87 µS/cm	6.05 mg/L	2.93 NTU	147.5 mV	48.53 ft	250.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

APPENDIX E
CERTIFIED WELL SURVEY

Metro Engineering & Surveying Co., Inc.
 Plant Bowen-Euharlee, GA.
 Monitoring Well Survey Data
 June 13, 2023
 MES Job No.: 15476

Well ID	Latitude	Longitude	Casing Northing	Casing Easting	Top of Casing Elevation (PVC)	Nail on Pad Northing	Nail on Pad Easting	Nail on Pad Elevation	Ground Elevation (Rebar)
GWC26	N34.138443	W84.897943	1506231.7	2075314.3	676.28	1506231.0	2075314.1	673.28	673.15
GWC27	N34.137919	W84.897363	1506039.7	2075488.4	675.85	1506039.0	2075487.8	673.20	673.21
GWC27R	N34.137872	W84.897296	1506022.3	2075508.5	676.17	1506021.4	2075507.9	673.13	673.29
GWC28	N34.137270	W84.896520	1505801.7	2075741.9	675.30	1505801.1	2075741.4	672.89	672.82
GWC29	N34.136471	W84.896086	1505509.8	2075871.2	679.29	1505509.2	2075871.4	676.33	676.13
GWC29R	N34.136405	W84.896094	1505485.9	2075868.3	679.12	1505485.0	2075868.5	676.34	676.22
GWC30	N34.135636	W84.896143	1505206.2	2075851.5	685.00	1505205.9	2075852.4	682.20	681.86
GWC31	N34.134870	W84.896251	1504927.6	2075816.9	683.13	1504927.5	2075817.5	680.34	680.20
GWC31R	N34.134941	W84.896243	1504953.4	2075819.5	683.09	1504953.0	2075820.5	680.22	680.18
GWC32	N34.133989	W84.896452	1504607.5	2075753.7	692.18	1504606.3	2075753.8	689.20	688.93
GWA33	N34.133244	W84.898594	1504341.0	2075103.7	675.48	1504341.8	2075104.0	672.75	672.57
GWA33R	N34.133252	W84.898678	1504344.0	2075078.2	675.20	1504345.1	2075078.4	672.21	672.13
GWA34	N34.133357	W84.900917	1504387.1	2074401.0	673.25	1504388.0	2074401.3	670.57	670.19
GWA34R	N34.133387	W84.900992	1504398.3	2074378.3	672.95	1504399.0	2074378.3	670.46	670.24
GWA35	N34.134194	W84.902100	1504694.2	2074045.1	696.66	1504694.6	2074044.7	693.79	693.83
GWA57	N34.133192	W84.899584	1504324.3	2074803.9	675.07	1504325.5	2074804.0	672.14	672.06

Benchmarks	Latitude	Longitude	Northing	Easting	Elevation	Description
GWC-24R	N34.139704	W84.899635	1506694.0	2074805.7	673.94	Nail on Pad
GWA-36RA	N34.135187	W84.904354	1505060.8	2073365.8	682.50	Nail on Pad



Survey Data Certification for Southern Company to determine the northing, easting and vertical elevation of the nail in the concrete pad & the top of the PVC well casing.

Date of field survey: June 7, 2023 thru June 9, 2023.

Field survey positional tolerance: 0.5 feet horizontal-NAD83(2011), 0.01 feet vertical-NAVD88.

Equipment used for horizontal location: Leica GS16 (Base Unit) and Leica GS18T (Rover Unit).

The vertical location of each well was established based upon level runs with a digital level loop from nails on concrete pads of existing wells established by others (GWC-24R Nail on pad elev.= 673.94 and GWA-36RA Nail on pad elev.=682.50) using a Leica DNA10 digital level.

**APPENDIX C
MEMORANDA ON HYDROGEOLOGIC
MONITORING PROGRAM**



To:	Kristen Jurinko, P.G. Southern Company Services, Inc.	From:	Andrew Stevens, P.G. Stantec Consulting Services Inc.
File:	Hydrogeological Monitoring Memo	Date:	June 30, 2023

Reference: Solid Waste Disposal Facility Permit No. 008-018D (CCR) -Hydrogeological Monitoring Program December 12, 2022, through June 6, 2023

Background

Stantec Consulting Services Inc. (Stantec) was retained by Southern Company Services, Inc. (SCS), to assist with the hydrogeological (water level) monitoring program at Georgia Power Company's Plant Bowen (Site) Landfill Cells 1 & 2, 3 & 4, 9 & 10. The work is being conducted to comply with Georgia Department of Natural Resources Environmental Protection Division (GA EPD) Solid Waste Permit No. 008-018D (CCR) to assist with early detection of subsurface changes that might indicate land subsidence or sinkhole formation. Groundwater level fluctuations are monitored in accordance with 2022 CCR Permit Groundwater Monitoring Plan.

The Site utilizes In-Situ[®] Inc telemetry and reporting software and pressure transducers to collect and record groundwater elevations from monitoring wells located around the perimeter of the landfill cells. The program was initiated in 2014 at Cells 1 & 2, expanded in 2015, 2016 and 2023 to Cells 3 & 4, Cells 9 & 10 and Cells 5 & 6 & 7 & 8, respectively. Four transducers were removed from the monitoring network on October 12, 2022 due to landfill expansion. These transducers will be redeployed after the evaluation of hydrogeologic conditions at new well installs at Cells 5&6 and 7&8 in June 2023. During this reporting period transducers were deployed in overburden and bedrock wells as follows:

Cells 1 & 2:

- Six overburden wells (GWA-1 (overburden/bedrock), GWA-3A, GWC-7Z, GWC-11, GWC-13, and GWC-15)
- Six bedrock wells (GWA-2R, GWC-6RZ, GWC-8RR, GWC-11R, GWC-13R, and GWC-15R)

Cells 3 & 4:

- Three overburden wells (GWC-18, GWA-36A, GWA-37)
- Six bedrock wells (GWC-16R, GWC-18R, GWC-21R, GWC-24R, GWC-25R, GWA-36RA)

Cells 9 & 10:

- Six overburden wells (GWA-39Z, GWA-41, GWA-43, GWC-45, GWC-47, and GWC-49Z)
- Six bedrock wells (GWA-39RZ, GWA-41R, GWA-43R, GWC-45R, GWC-47R, and GWC-49R)

Reference: Solid Waste Disposal Facility Permit No. 008-018D (CCR) - Hydrogeological Monitoring Program, December 12, 2022, through June 6, 2023

Water level data are electronically logged multiple times daily by each transducer. Most logged data are uploaded after each reading via satellite telemetry to a central In-Situ Inc.® database. Automated reports are accessible via the In-Situ® database website (ISI Data Center) where the telemetry data are stored and compiled.

In addition to collecting transducer data, Etowah River levels and rainfall data for the reporting period were obtained from a U.S. Geological Survey gauge (02394670) near Cartersville, Georgia.

This reporting period included the transition from In-Situ telemetry (ISI Data Center) to In-Situ VuLink® being installed in the monitoring wells. HydroVu communicates data through the global cellular network versus the existing satellite data transmission telemetry devices currently installed at the Site. The ISI to VuLink® transition occurred January 20, 2023, and May 2 through May 4, 2023 (Table 1). Data transmitted via VuLink® technology are accessed through HydroVu® online dashboard.

Maintenance Observations

During the reporting period, the following well locations were noted by Southern Company Civil Field Services (SCS-CFS) staff as having issues: GWA-24R, GWA-36A, GWA-41R, GWC-7Z, GWC-47, and GWC-47R (Table 1). The wells with transducers were visited for maintenance, manual data downloads, battery change outs, transducer replacement, desiccant replacement, solar panel adjustment, or reconnection of modem or transducer cables. Data transmission for GWC-24R was lost January 3rd, 2023. On January 20, 2023, SCS-CFS replaced the ISI to VuLink®. SCS-CFS replaced GWA-36RA transducer cable and storage cube, batteries were replaced in GWA-41R and GWC-7Z, and GWC-47 had a new TrollHub installed (Table 1). The groundwater elevations in GWA-36A rose 3.21 feet May 24th, 2023, and has stayed roughly 3 feet higher than the offset boring GWA-36RA. Resolute Environmental and Water Resources Consulting field staff checked the depth to water (DTW) at GWA-36A on May 30, 2023, there was a 2.97-foot discrepancy between the transducer water level and the field recorded water level. This change is not indicative of land subsidence or sinkhole formation. The discrepancy between the water level reported by the transducer and field recorded data is being troubleshoot and maintenance is ongoing.

Water Level Fluctuations

Continuous groundwater level data and river stage elevations for the Etowah River were recorded between December 12, 2022, and June 6, 2023. Reporting period hydrographs for Cells 1 & 2, 3 & 4, and 9 & 10 are shown in Figures 1A through 3B.

Table 1 records maintenance completed during the reporting period that resulted in water level trend anomalies. During the reporting period, manual groundwater elevation gauging and groundwater sample collection took place over the period of February 8, through February 22, 2023, as well as additional ground water sampling that occurred March 16, 2023, and April 11, 2023. These field efforts are considered known disruptions to water table and are marked on the hydrograph plots (Figures 1A through 3B). Transducer maintenance activities and repairs occur throughout the monitoring period and consist of resetting reference water elevation depths, resealing boxes, ant infestation control, replacing desiccants and replacing power controller units and batteries. Periodic sampling and maintenance may induce drifts in pressure readings. When drifts are noted, the reference depth to water is re-set and the logging cycle is re-started.

The water levels in monitoring wells equipped with transducers exhibited similar overall trends during the reporting period. Groundwater elevations show an overall stable trend during this six-month period with steadily increasing water levels from December to mid-February, then decreasing water levels from late February through early June.

The fluctuations of groundwater elevations generally mimic the Etowah River levels in response to rain events and wet conditions. Some of the hydrograph responses may be attributable to the fluctuations in

Reference: Solid Waste Disposal Facility Permit No. 008-018D (CCR) - Hydrogeological Monitoring Program, December 12, 2022, through June 6, 2023

water levels in the nearby General Service Water Pond. Similar to previous events, wells GWA-41 and GWA-41R showed rapid hydrograph responses to rainfall during the monitoring period as groundwater in both the overburden and bedrock aquifers at this location responded equally to rainfall events. During this monitoring period, the potentiometric surface of the bedrock aquifer remained above the top of competent bedrock in the instrumented monitoring wells. This higher hydrostatic pressure of the bedrock aquifer limits removal of material from the overburden that could result in subsidence issues. The observed variations in groundwater elevations are attributed to rainfall variations, or due to sampling or maintenance activities at the monitoring points. A comparison of river stage and precipitation data with recorded groundwater elevations (Figures 1A through 3B) shows that both sets of data follow similar overall patterns. Two rainfall events greater than 1.5 inches occurred during the monitoring period. First rainfall event was on January 4th (2.44 inches) and the second event was April 8th (2.21 inches) according to the U.S. Geological Survey gauge (02394670) near Cartersville, Georgia.

Conclusions and Recommendations

Observed disruptions in the transducer water levels were found to be directly attributed to (a) drawdown during sampling events, water level gauging, well development, and (b) to maintenance of wells, transducers, or telemetry units, or (c) rainfall events. December 12, 2022, through June 6, 2023, hydrologic monitoring data did not show water level fluctuations attributed to subsurface changes that might be indicative of land subsidence or sinkhole formation. Hydrogeologic monitoring will continue at Plant Bowen.

Regards,

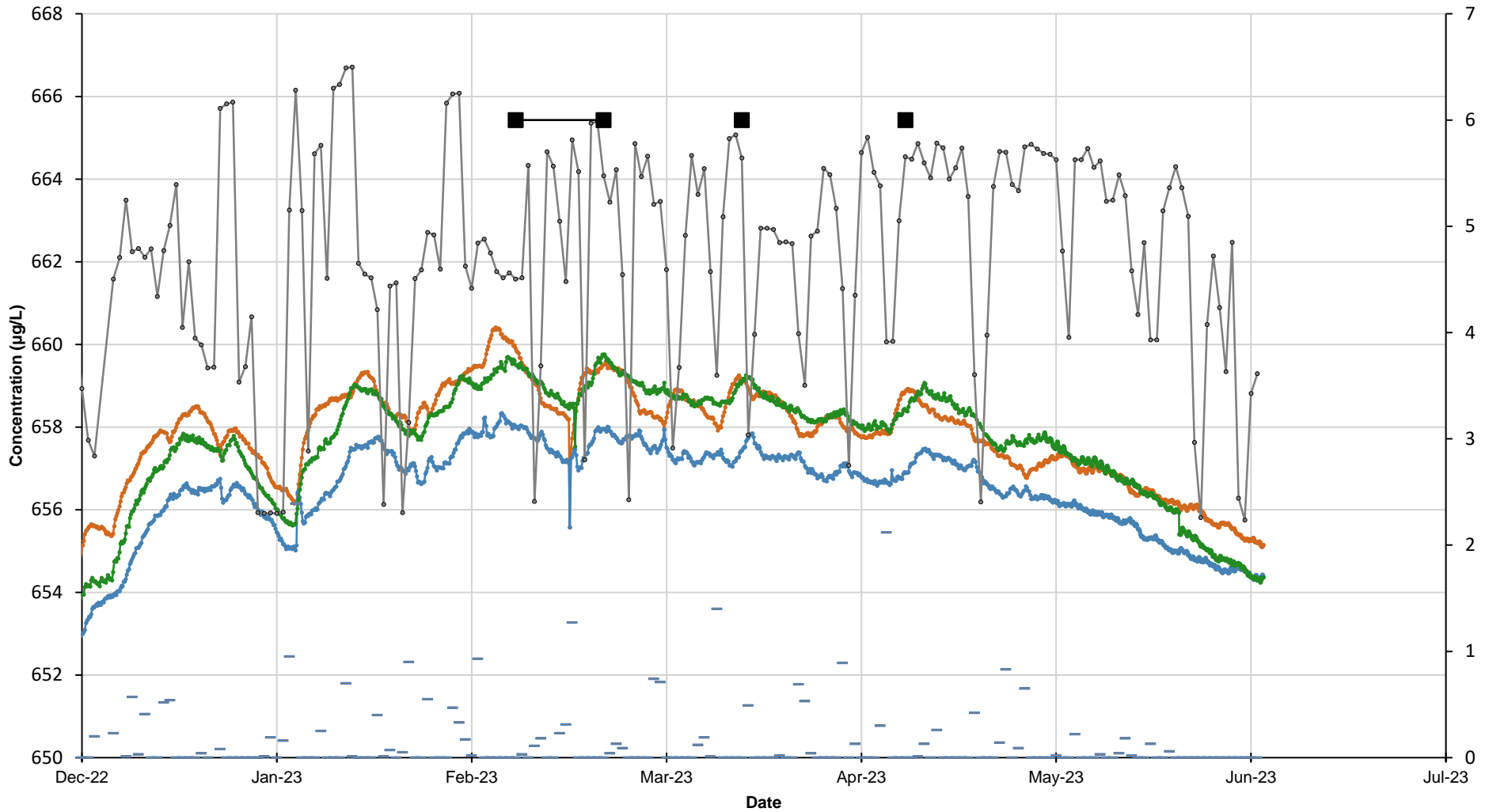
STANTEC CONSULTING SERVICES INC.

Andrew Stevens, P.G.

Geologist
Phone: (615) 499-7150
Mobile: (615) 578-5456
Andrew.stevens@stantec.com

Attachments: Table 1 – Bowen Landfill Maintenance and Water Level Observation
Figures 1A, 1B, 2A, 2B, 3A, and 3B Hydrographs

Bowen Landfill Maintenance and Water Level Observation						
December 12, 2022 through June 6, 2023						
Cells	Well ID	Last ISI Reading Date	First HydroVu Reading Date	Most Recent Transducer Network Maintenance	Maintenance Information	Comments
1 & 2	GWA-1	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWA-2R	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWA-3A	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-6RZ	5/2/2023	5/2/2023	--	--	Well evacuation during February sampling
	GWC-7Z	5/2/2023	5/2/2023	3/8/2023	Replace Battery	Missing readings 3/2-3/8/2023
	GWC-8RR	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-11	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-11R	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-13	5/2/2023	*5/4/2023	--	--	No maintenance during reporting period
	GWC-13R	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-15	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
GWC-15R	5/3/2023	5/3/2023	--	--	No maintenance during reporting period	
3 & 4	GWC-16R	5/2/2023	5/2/2023	--	--	Well evacuation during February sampling
	GWC-18	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-18R	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-21R	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-24R	1/3/2023	*1/20/2023	1/20/2023	Transducer stopped working/ switch to HydroVu	Missing readings 1/3-1/20/2023
	GWC-25R	4/1/2022	*11/3/2022	--	--	No maintenance during reporting period
	GWA-36A	5/3/2023	5/3/2023	--	Water level adjustment	**Jump in water level data trend 5/24/2023
	GWA-36RA	5/3/2023	5/3/2023	3/22/2023	Replaced cable and storage cube	Missing readings 3/8-3/21/2023
GWA-37	5/3/2023	*5/4/2023	--	--	No maintenance during reporting period	
9 & 10	GWA-39RZ	5/3/2023	5/3/2023	--	--	Well evacuation during February sampling
	GWA-39Z	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
	GWA-41	5/3/2023	5/3/2023	1/18/2023	Water level adjustment	**Jump in water level data trend
	GWA-41R	5/3/2023	5/3/2023	1/18/2023	Replaced battery	Missing readings 1/7-1/18/2023
	GWA-43	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
	GWA-43R	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
	GWC-45	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
	GWC-45R	5/4/2023	5/4/2023	1/15/2023	--	Missing readings 1/4-1/15/2023
	GWC-47	5/3/2023	5/3/2023	1/16/2023	Replaced TrollHub	Missing readings 1/3-1/16/2023 Well evacuation during February sampling
	GWC-47R	5/3/2023	5/3/2023	1/16/2023	Replaced TrollHub	Well evacuation during February sampling
	GWC-49R	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
GWC-49Z	5/3/2023	5/3/2023	--	--	No maintenance during reporting period	
*notes transition for ISI to HydroVu was longer than 24 hours						
**notes change in water level unrelated to karst geology						
Prepared by/Date: A.Stevens 06/21/2023						
Checked by/Date: C. Sutherland 6/28/2023						



Legend

- GWA-1
- GWA-3A
- USGS Precipitation
- GWA-2R
- Etowah River Gage
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

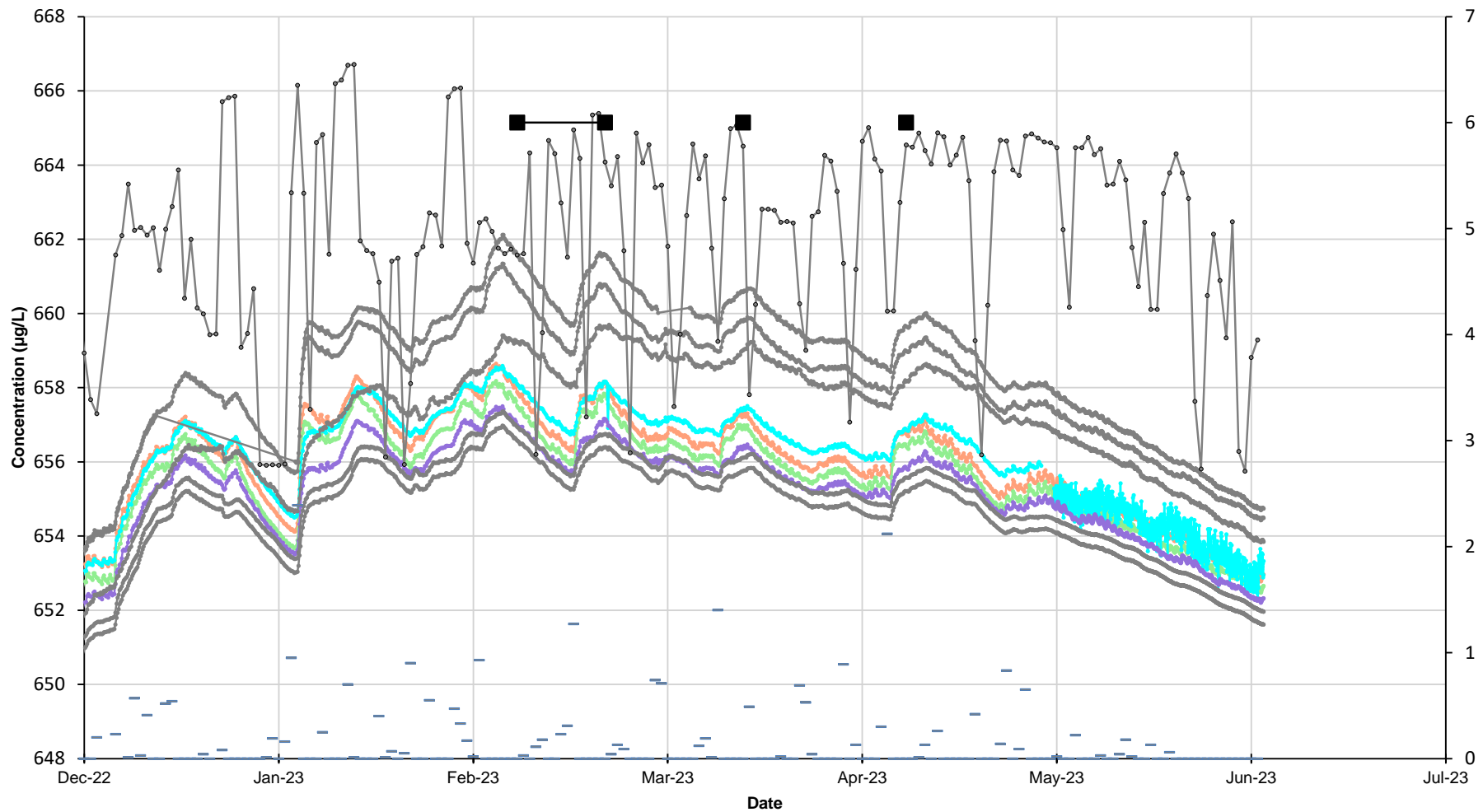
Figure/Well No.

Cell1&2A

Title

Cell 1&2 Transducer Level Monitoring





Legend

- GWC-11
- GWC-13
- GWC-6RZ
- GWC-8RR
- USGS Precipitation
- GWC-11R
- GWC-13R
- GWC-7Z
- Etowah River Gage
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

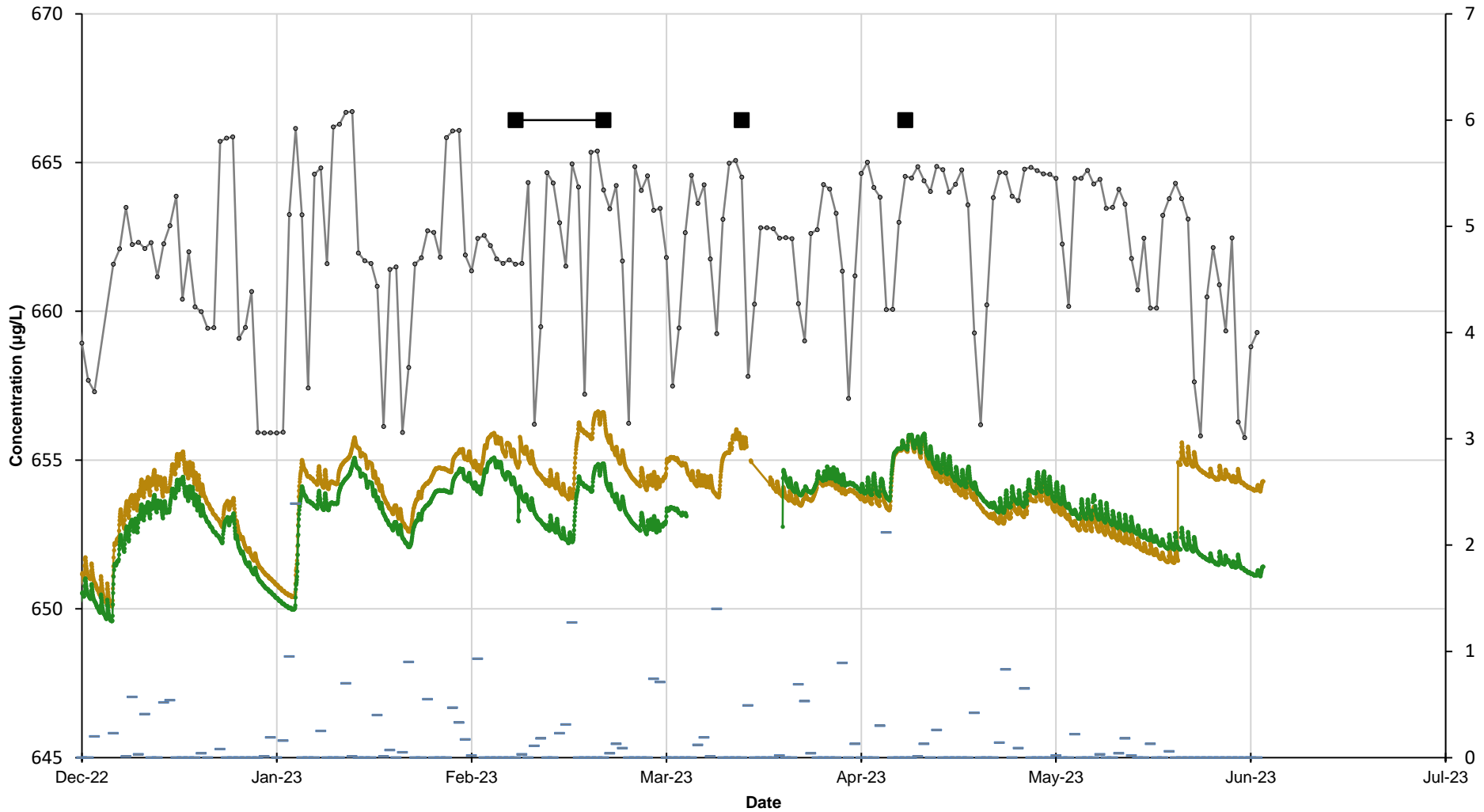
Figure/Well No.

Cell1&2B

Title

Cell 1&2 Transducer Level Monitoring





Legend

- GWA-36A
- GWA-36RA
- Etowah River Gage
- - - USGS Precipitation
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

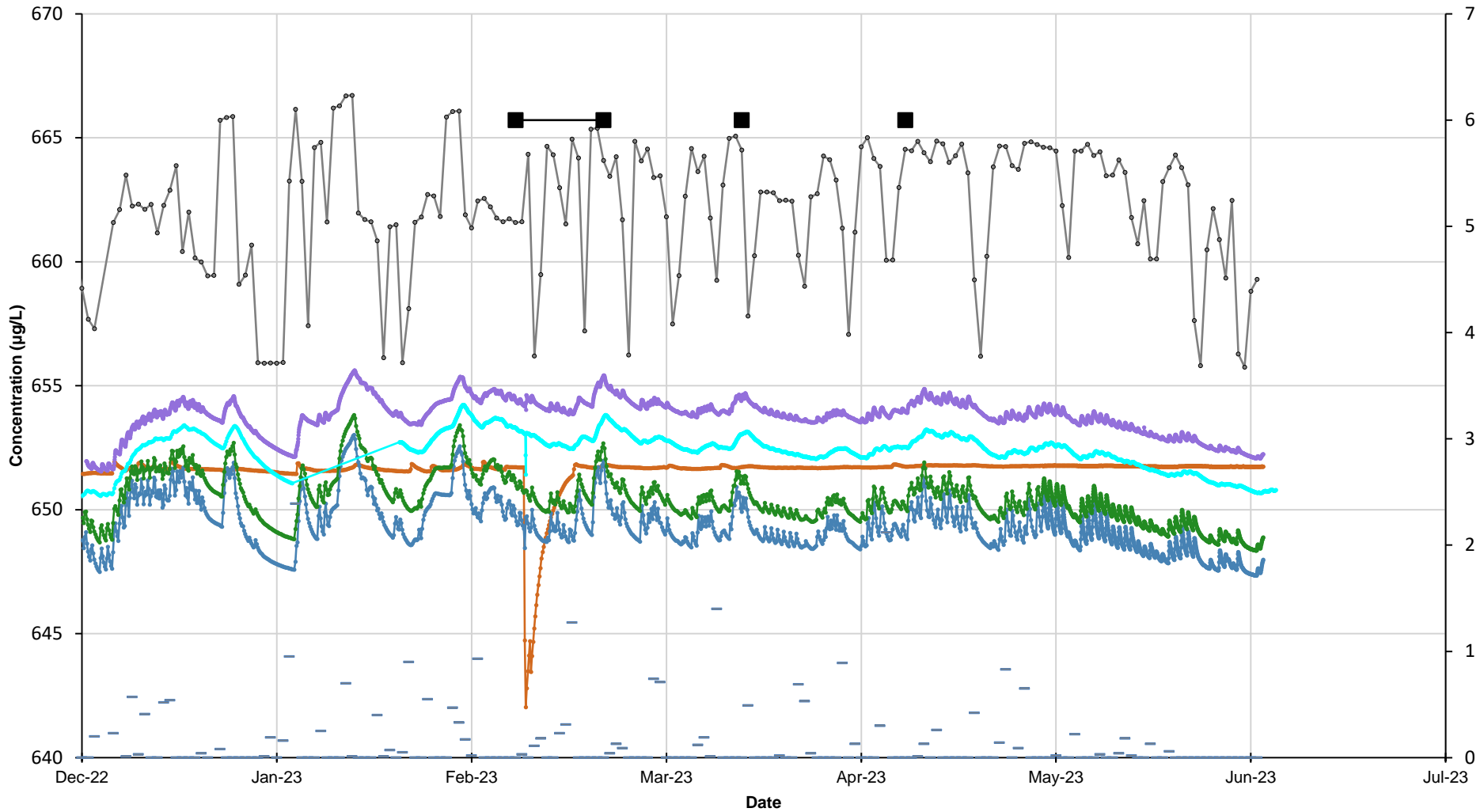
Figure/Well No.

Cell3&4A

Title

Cell 3 & 4 Transducer Level Monitoring





Legend

- GWC-16R
- GWC-18R
- GWC-25R
- USGS Precipitation
- GWC-18
- GWC-24R
- Etowah River Gage
- Monitoring Events

Client/Project

Southern Company Services, Inc.
 Solid Waste Disposal Facility
 Hydrogeological Monitoring Program

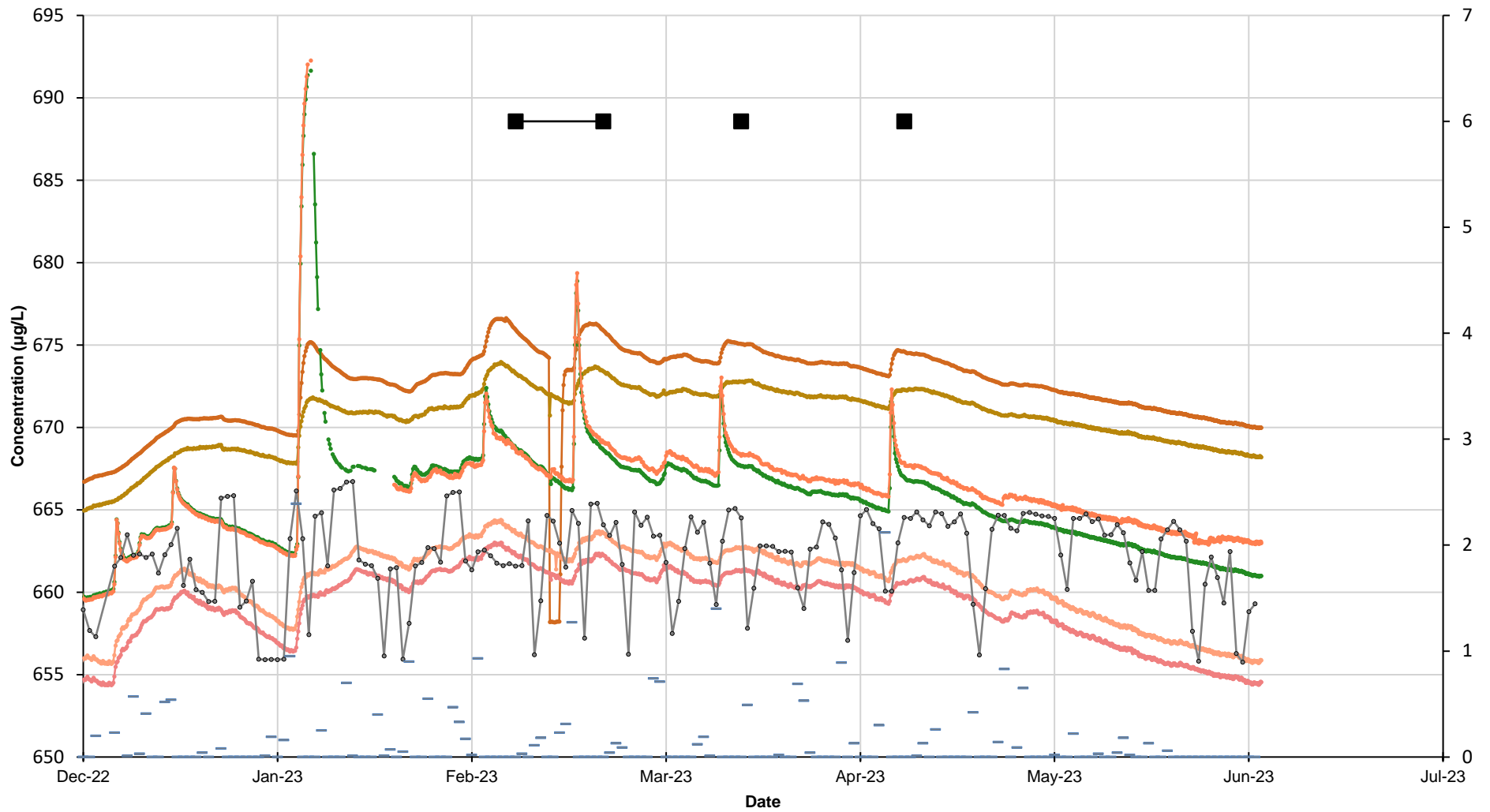
Figure/Well No.

Cell3&4B

Title

Cell 3 & 4 Transducer Level Monitoring





Legend

- GWA-39RZ
- GWA-39Z
- GWA-41
- GWA-41R
- GWA-43
- GWA-43R
- Etowah River Gage
- USGS Precipitation
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

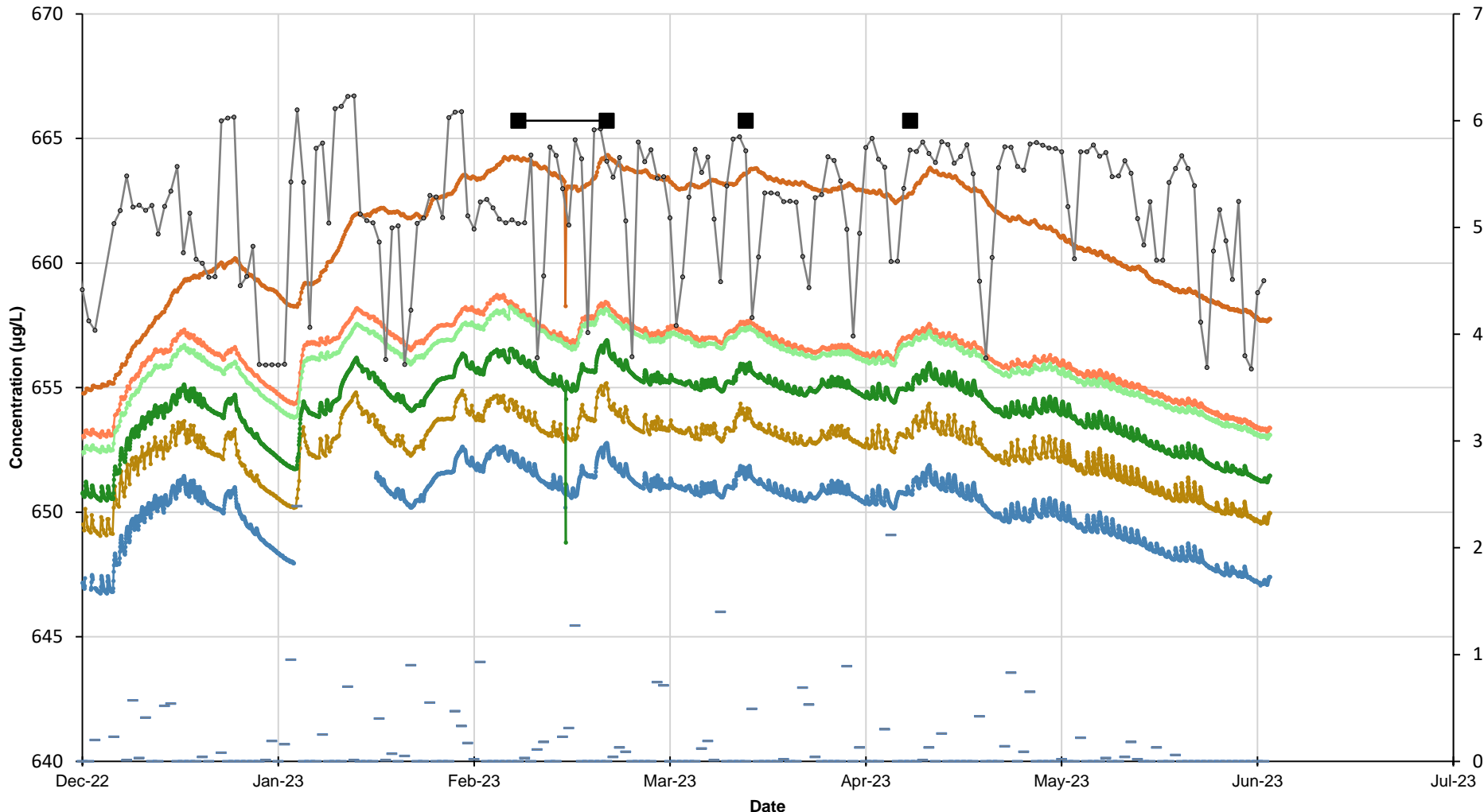
Figure/Well No.

Cell9&10

Title

Cell 9 & 10 Transducer Level Monitoring





Legend

- GWC-45
- GWC-47
- GWC-49R
- Etowah River Gage
- Monitoring Events
- GWC-45R
- GWC-47R
- GWC-49Z
- USGS Precipitation

Client/Project

Southern Company Services, Inc.
 Solid Waste Disposal Facility
 Hydrogeological Monitoring Program

Figure/Well No.

Cell9&10B

Title

Cell 9 & 10 Transducer Level Monitoring



**APPENDIX D
LABORATORY ANALYTICAL DATA AND
FIELD SAMPLING REPORTS**



April 14, 2023

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between February 10, 2023 and February 14, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

A revised report is being submitted on 4/14/23 due to a compound list reporting error.

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

Sincerely,



Angela Baioni for
Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power-CCR
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Michael Smilley, Georgia Power

Brian Steele, Stantec
Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92651771001	BOW-GWA-36A	Water	02/08/23 15:10	02/10/23 15:30
92651771002	BOW-GWA-36RA	Water	02/08/23 13:20	02/10/23 15:30
92651771003	BOW-GWA-37	Water	02/08/23 12:27	02/10/23 15:30
92651771004	BOW-GWA-38	Water	02/08/23 13:48	02/10/23 15:30
92651771005	BOW-GWC-18	Water	02/09/23 11:25	02/10/23 15:30
92651771006	BOW-GWC-18R	Water	02/09/23 13:30	02/10/23 15:30
92651771007	BOW-GWC-19R	Water	02/09/23 14:40	02/10/23 15:30
92651771008	BOW-GWC-21R	Water	02/09/23 14:55	02/10/23 15:30
92651771009	BOW-GWC-22R	Water	02/09/23 11:56	02/10/23 15:30
92651771010	BOW-GWC-24R	Water	02/09/23 13:46	02/10/23 15:30
92651771011	BOW-GWC-25R	Water	02/09/23 14:56	02/10/23 15:30
92651771012	BOW-LF3-4-FB-11	Water	02/09/23 16:20	02/10/23 15:30
92651771013	BOW-LF3-4-FD-06	Water	02/08/23 00:00	02/10/23 15:30
92651771014	BOW-LF3-4-FB-10	Water	02/08/23 15:15	02/10/23 15:30
92651771015	BOW-GWC-16R	Water	02/10/23 09:55	02/14/23 11:58
92651771016	BOW-GWC-17R	Water	02/10/23 10:38	02/14/23 11:58
92651771017	BOW-GWC-20R	Water	02/10/23 10:25	02/14/23 11:58
92651771018	BOW-GWC-23R	Water	02/10/23 11:20	02/14/23 11:58
92651771019	BOW-SPRING	Water	02/10/23 11:55	02/14/23 11:58
92651771020	BOW-LF3-4-FD-07	Water	02/10/23 00:00	02/14/23 11:58
92651771021	BOW-LF3-4-FB-12	Water	02/10/23 12:30	02/14/23 11:58

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92651771001	BOW-GWA-36A	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771002	BOW-GWA-36RA	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771003	BOW-GWA-37	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771004	BOW-GWA-38	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771005	BOW-GWC-18	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771006	BOW-GWC-18R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771007	BOW-GWC-19R	EPA 6010D	MS	7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92651771008	BOW-GWC-21R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92651771009	BOW-GWC-22R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92651771010	BOW-GWC-24R	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
92651771011	BOW-GWC-25R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92651771012	BOW-LF3-4-FB-11	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92651771013	BOW-LF3-4-FD-06	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92651771014	BOW-LF3-4-FB-10	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92651771015	BOW-GWC-16R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771016	BOW-GWC-17R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92651771017	BOW-GWC-20R	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92651771018	BOW-GWC-23R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771019	BOW-SPRING	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771020	BOW-LF3-4-FD-07	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771021	BOW-LF3-4-FB-12	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771001	BOW-GWA-36A					
	Performed by	Client			02/28/23 14:01	
	Collected By	Kevin Stephenson			02/28/23 14:01	
	Collected Date	02/08/23			02/28/23 14:01	
	Collected Time	15:10			02/28/23 14:01	
	pH	6.77	Std. Units		02/28/23 14:01	
EPA 6010D	Zinc	0.017J	mg/L	0.020	02/24/23 20:20	
EPA 6010D	Calcium	51.6	mg/L	1.0	02/24/23 20:20	
EPA 6010D	Iron	0.050	mg/L	0.040	02/24/23 20:20	
EPA 6010D	Manganese	0.012J	mg/L	0.040	02/24/23 20:20	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/24/23 20:20	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/24/23 20:20	
EPA 6010D	Magnesium	26.4	mg/L	0.050	02/24/23 20:20	
EPA 6020B	Barium	0.041	mg/L	0.0050	03/01/23 18:53	
EPA 6020B	Beryllium	0.000077J	mg/L	0.00050	03/01/23 18:53	
EPA 6020B	Boron	0.028J	mg/L	0.040	03/01/23 18:53	
SM 2540C-2015	Total Dissolved Solids	245	mg/L	25.0	02/14/23 12:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	219	mg/L	5.0	02/17/23 15:07	
SM 2320B-2011	Alkalinity, Total as CaCO3	219	mg/L	5.0	02/17/23 15:07	
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	02/14/23 19:48	
EPA 300.0 Rev 2.1 1993	Sulfate	24.6	mg/L	1.0	02/14/23 19:48	
92651771002	BOW-GWA-36RA					
	Performed by	Client			02/28/23 14:22	
	Collected By	Kevin Stephenson			02/28/23 14:22	
	Collected Date	02/08/23			02/28/23 14:22	
	Collected Time	13:20			02/28/23 14:22	
	pH	6.88	Std. Units		02/28/23 14:22	
EPA 6010D	Zinc	0.0086J	mg/L	0.020	02/24/23 20:25	
EPA 6010D	Calcium	54.1	mg/L	1.0	02/24/23 20:25	
EPA 6010D	Iron	0.045	mg/L	0.040	02/24/23 20:25	
EPA 6010D	Manganese	0.0092J	mg/L	0.040	02/24/23 20:25	
EPA 6010D	Potassium	1.4	mg/L	0.20	02/24/23 20:25	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/24/23 20:25	
EPA 6010D	Magnesium	27.8	mg/L	0.050	02/24/23 20:25	
EPA 6020B	Barium	0.038	mg/L	0.0050	03/01/23 18:59	
EPA 6020B	Boron	0.023J	mg/L	0.040	03/01/23 18:59	
SM 2540C-2015	Total Dissolved Solids	238	mg/L	25.0	02/14/23 12:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	242	mg/L	5.0	02/17/23 15:15	
SM 2320B-2011	Alkalinity, Total as CaCO3	242	mg/L	5.0	02/17/23 15:15	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	02/14/23 20:02	
EPA 300.0 Rev 2.1 1993	Sulfate	21.7	mg/L	1.0	02/14/23 20:02	
92651771003	BOW-GWA-37					
	Performed by	Client			02/28/23 14:23	
	Collected By	Kevin Stephenson			02/28/23 14:23	
	Collected Date	02/08/23			02/28/23 14:23	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771003	BOW-GWA-37					
	Collected Time	12:27			02/28/23 14:23	
	pH	5.30	Std. Units		02/28/23 14:23	
EPA 6010D	Calcium	0.70J	mg/L	1.0	02/24/23 20:30	
EPA 6010D	Manganese	0.010J	mg/L	0.040	02/24/23 20:30	
EPA 6010D	Potassium	0.35	mg/L	0.20	02/24/23 20:30	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/24/23 20:30	
EPA 6010D	Magnesium	0.31	mg/L	0.050	02/24/23 20:30	
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	03/01/23 19:05	
EPA 6020B	Barium	0.0039J	mg/L	0.0050	03/01/23 19:05	
EPA 6020B	Copper	0.011	mg/L	0.0050	03/01/23 19:05	
EPA 6020B	Nickel	0.012	mg/L	0.0050	03/01/23 19:05	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	5.2	mg/L	5.0	02/17/23 15:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	5.2	mg/L	5.0	02/17/23 15:52	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/14/23 20:17	
EPA 300.0 Rev 2.1 1993	Sulfate	0.75J	mg/L	1.0	02/14/23 20:17	
92651771004	BOW-GWA-38					
	Performed by	Client			02/28/23 15:25	
	Collected By	Kevin Stephenson			02/28/23 15:25	
	Collected Date	02/08/23			02/28/23 15:25	
	Collected Time	13:48			02/28/23 15:25	
	pH	5.13	Std. Units		02/28/23 15:25	
EPA 6010D	Calcium	1.3	mg/L	1.0	02/24/23 20:34	
EPA 6010D	Manganese	0.038J	mg/L	0.040	02/24/23 20:34	
EPA 6010D	Potassium	0.35	mg/L	0.20	02/24/23 20:34	
EPA 6010D	Sodium	3.7	mg/L	1.0	02/24/23 20:34	
EPA 6010D	Magnesium	0.46	mg/L	0.050	02/24/23 20:34	
EPA 6020B	Barium	0.013	mg/L	0.0050	03/01/23 19:11	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	03/01/23 19:11	
EPA 6020B	Cobalt	0.0010J	mg/L	0.0050	03/01/23 19:11	
EPA 6020B	Nickel	0.00091J	mg/L	0.0050	03/01/23 19:11	
SM 2540C-2015	Total Dissolved Solids	31.0	mg/L	25.0	02/15/23 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	02/14/23 21:17	
EPA 300.0 Rev 2.1 1993	Sulfate	0.90J	mg/L	1.0	02/14/23 21:17	
92651771005	BOW-GWC-18					
	Performed by	Client			02/28/23 15:26	
	Collected By	Kevin Stephenson			02/28/23 15:26	
	Collected Date	02/09/23			02/28/23 15:26	
	Collected Time	11:25			02/28/23 15:26	
	pH	6.68	Std. Units		02/28/23 15:26	
EPA 6010D	Calcium	26.2	mg/L	1.0	02/24/23 20:39	
EPA 6010D	Manganese	0.0071J	mg/L	0.040	02/24/23 20:39	
EPA 6010D	Potassium	0.78	mg/L	0.20	02/24/23 20:39	
EPA 6010D	Sodium	1.5	mg/L	1.0	02/24/23 20:39	
EPA 6010D	Magnesium	14.5	mg/L	0.050	02/24/23 20:39	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/01/23 19:35	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771005	BOW-GWC-18					
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/01/23 19:35	
SM 2540C-2015	Total Dissolved Solids	175	mg/L	25.0	02/15/23 18:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	118	mg/L	5.0	02/17/23 20:42	
SM 2320B-2011	Alkalinity, Total as CaCO3	118	mg/L	5.0	02/17/23 20:42	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	02/14/23 21:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.072J	mg/L	0.10	02/14/23 21:32	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	02/14/23 21:32	
92651771006	BOW-GWC-18R					
	Performed by	Client			02/28/23 15:26	
	Collected By	Kevin Stephenson			02/28/23 15:26	
	Collected Date	02/09/23			02/28/23 15:26	
	Collected Time	13:30			02/28/23 15:26	
	pH	7.46	Std. Units		02/28/23 15:26	
EPA 6010D	Calcium	31.2	mg/L	1.0	02/24/23 20:44	
EPA 6010D	Iron	0.12	mg/L	0.040	02/24/23 20:44	
EPA 6010D	Potassium	0.57	mg/L	0.20	02/24/23 20:44	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/24/23 20:44	
EPA 6010D	Magnesium	17.3	mg/L	0.050	02/24/23 20:44	
EPA 6020B	Barium	0.015	mg/L	0.0050	03/01/23 19:53	
EPA 6020B	Beryllium	0.00015J	mg/L	0.00050	03/01/23 19:53	
SM 2540C-2015	Total Dissolved Solids	171	mg/L	25.0	02/15/23 18:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	145	mg/L	5.0	02/17/23 20:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	145	mg/L	5.0	02/17/23 20:52	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	02/14/23 21:46	
EPA 300.0 Rev 2.1 1993	Sulfate	2.4	mg/L	1.0	02/14/23 21:46	
92651771007	BOW-GWC-19R					
	Performed by	Client			02/28/23 15:27	
	Collected By	Kevin Stephenson			02/28/23 15:27	
	Collected Date	02/09/23			02/28/23 15:27	
	Collected Time	14:40			02/28/23 15:27	
	pH	7.38	Std. Units		02/28/23 15:27	
EPA 6010D	Calcium	33.7	mg/L	1.0	02/24/23 20:59	
EPA 6010D	Potassium	0.66	mg/L	0.20	02/24/23 20:59	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/24/23 20:59	
EPA 6010D	Magnesium	18.5	mg/L	0.050	02/24/23 20:59	
EPA 6020B	Barium	0.015	mg/L	0.0050	03/01/23 19:59	
SM 2540C-2015	Total Dissolved Solids	171	mg/L	25.0	02/15/23 18:45	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	02/17/23 21:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	150	mg/L	5.0	02/17/23 21:02	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	02/14/23 22:31	
EPA 300.0 Rev 2.1 1993	Sulfate	4.0	mg/L	1.0	02/14/23 22:31	
92651771008	BOW-GWC-21R					
	Performed by	Client			02/28/23 15:27	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771008	BOW-GWC-21R					
	Collected By	Kevin Stephenson			02/28/23 15:27	
	Collected Date	02/09/23			02/28/23 15:27	
	Collected Time	14:55			02/28/23 15:27	
	pH	7.13	Std. Units		02/28/23 15:27	
EPA 6010D	Zinc	0.012J	mg/L	0.020	02/24/23 21:03	
EPA 6010D	Calcium	68.2	mg/L	1.0	02/24/23 21:03	
EPA 6010D	Iron	0.17	mg/L	0.040	02/24/23 21:03	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/24/23 21:03	
EPA 6010D	Sodium	19.0	mg/L	1.0	02/24/23 21:03	
EPA 6010D	Magnesium	34.6	mg/L	0.050	02/24/23 21:03	
EPA 6020B	Antimony	0.0064	mg/L	0.0030	03/01/23 20:05	
EPA 6020B	Arsenic	0.0025J	mg/L	0.0050	03/01/23 20:05	
EPA 6020B	Barium	0.031	mg/L	0.0050	03/01/23 20:05	
EPA 6020B	Boron	0.012J	mg/L	0.040	03/01/23 20:05	
EPA 6020B	Chromium	0.0017J	mg/L	0.0050	03/01/23 20:05	
EPA 6020B	Copper	0.0011J	mg/L	0.0050	03/01/23 20:05	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	03/01/23 20:05	
EPA 6020B	Thallium	0.00029J	mg/L	0.0010	03/01/23 20:05	
SM 2540C-2015	Total Dissolved Solids	317	mg/L	25.0	02/15/23 18:45	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	341	mg/L	5.0	02/18/23 08:41	
SM 2320B-2011	Alkalinity, Total as CaCO3	341	mg/L	5.0	02/18/23 08:41	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	02/14/23 22:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	02/14/23 22:46	
EPA 300.0 Rev 2.1 1993	Sulfate	16.8	mg/L	1.0	02/14/23 22:46	
92651771009	BOW-GWC-22R					
	Performed by	Client			02/28/23 15:28	
	Collected By	Kevin Stephenson			02/28/23 15:28	
	Collected Date	02/09/23			02/28/23 15:28	
	Collected Time	11:56			02/28/23 15:28	
	pH	7.05	Std. Units		02/28/23 15:28	
EPA 6010D	Calcium	37.0	mg/L	1.0	02/24/23 21:08	
EPA 6010D	Iron	0.58	mg/L	0.040	02/24/23 21:08	
EPA 6010D	Manganese	0.059	mg/L	0.040	02/24/23 21:08	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/24/23 21:08	
EPA 6010D	Sodium	1.7	mg/L	1.0	02/24/23 21:08	
EPA 6010D	Magnesium	19.9	mg/L	0.050	02/24/23 21:08	
EPA 6020B	Arsenic	0.0030J	mg/L	0.0050	03/01/23 20:11	
EPA 6020B	Barium	0.040	mg/L	0.0050	03/01/23 20:11	
EPA 6020B	Cobalt	0.00043J	mg/L	0.0050	03/01/23 20:11	
SM 2540C-2015	Total Dissolved Solids	328	mg/L	25.0	02/15/23 18:45	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	175	mg/L	5.0	02/17/23 21:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	175	mg/L	5.0	02/17/23 21:19	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	02/14/23 23:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	02/14/23 23:00	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	02/14/23 23:00	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771010	BOW-GWC-24R					
	Performed by	Client			02/28/23 15:29	
	Collected By	Kevin Stephenson			02/28/23 15:29	
	Collected Date	02/09/23			02/28/23 15:29	
	Collected Time	13:46			02/28/23 15:29	
	pH	7.44	Std. Units		02/28/23 15:29	
EPA 6010D	Calcium	32.8	mg/L	1.0	02/24/23 21:13	
EPA 6010D	Iron	0.11	mg/L	0.040	02/24/23 21:13	
EPA 6010D	Manganese	0.0059J	mg/L	0.040	02/24/23 21:13	
EPA 6010D	Potassium	0.66	mg/L	0.20	02/24/23 21:13	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/24/23 21:13	
EPA 6010D	Magnesium	18.3	mg/L	0.050	02/24/23 21:13	
EPA 6020B	Barium	0.018	mg/L	0.0050	03/01/23 20:17	
SM 2540C-2015	Total Dissolved Solids	147	mg/L	25.0	02/15/23 18:47	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	151	mg/L	5.0	02/18/23 07:44	
SM 2320B-2011	Alkalinity, Total as CaCO3	151	mg/L	5.0	02/18/23 07:44	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	02/14/23 23:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.053J	mg/L	0.10	02/14/23 23:15	
EPA 300.0 Rev 2.1 1993	Sulfate	2.9	mg/L	1.0	02/14/23 23:15	
92651771011	BOW-GWC-25R					
	Performed by	Client			02/28/23 15:29	
	Collected By	Kevin Stephenson			02/28/23 15:29	
	Collected Date	02/09/23			02/28/23 15:29	
	Collected Time	14:56			02/28/23 15:29	
	pH	7.51	Std. Units		02/28/23 15:29	
EPA 6010D	Calcium	35.6	mg/L	1.0	02/24/23 21:18	
EPA 6010D	Potassium	0.64	mg/L	0.20	02/24/23 21:18	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/24/23 21:18	
EPA 6010D	Magnesium	19.7	mg/L	0.050	02/24/23 21:18	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/01/23 20:23	
SM 2540C-2015	Total Dissolved Solids	169	mg/L	25.0	02/16/23 16:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	166	mg/L	5.0	02/18/23 07:55	
SM 2320B-2011	Alkalinity, Total as CaCO3	166	mg/L	5.0	02/18/23 07:55	M1
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	02/14/23 23:30	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	02/14/23 23:30	
92651771013	BOW-LF3-4-FD-06					
EPA 6010D	Manganese	0.039J	mg/L	0.040	02/24/23 21:42	
EPA 6010D	Potassium	0.24	mg/L	0.20	02/24/23 21:42	
EPA 6010D	Sodium	3.8	mg/L	1.0	02/24/23 21:42	
EPA 6010D	Calcium	1.3	mg/L	1.0	02/24/23 21:42	
EPA 6010D	Magnesium	0.48	mg/L	0.050	02/24/23 21:42	
EPA 6020B	Barium	0.013	mg/L	0.0050	03/01/23 20:35	
EPA 6020B	Chromium	0.0019J	mg/L	0.0050	03/01/23 20:35	
EPA 6020B	Cobalt	0.0010J	mg/L	0.0050	03/01/23 20:35	
EPA 6020B	Nickel	0.00089J	mg/L	0.0050	03/01/23 20:35	
SM 2540C-2015	Total Dissolved Solids	48.0	mg/L	25.0	02/15/23 11:51	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771013	BOW-LF3-4-FD-06					
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	02/15/23 00:29	
EPA 300.0 Rev 2.1 1993	Sulfate	0.86J	mg/L	1.0	02/15/23 00:29	
92651771015	BOW-GWC-16R					
	Performed by	Client			02/28/23 15:30	
	Collected By	Kevin Stephenson			02/28/23 15:30	
	Collected Date	02/10/23			02/28/23 15:30	
	Collected Time	09:55			02/28/23 15:30	
	pH	7.02	Std. Units		02/28/23 15:30	
EPA 6010D	Zinc	0.017J	mg/L	0.020	02/24/23 22:16	
EPA 6010D	Calcium	84.6	mg/L	1.0	02/24/23 22:16	
EPA 6010D	Manganese	0.0095J	mg/L	0.040	02/24/23 22:16	
EPA 6010D	Potassium	7.7	mg/L	0.20	02/24/23 22:16	
EPA 6010D	Sodium	27.3	mg/L	1.0	02/24/23 22:16	
EPA 6010D	Magnesium	17.7	mg/L	0.050	02/24/23 22:16	
EPA 6020B	Antimony	0.020	mg/L	0.0030	03/01/23 20:47	
EPA 6020B	Barium	0.053	mg/L	0.0050	03/01/23 20:47	
EPA 6020B	Boron	0.020J	mg/L	0.040	03/01/23 20:47	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	03/01/23 20:47	
EPA 6020B	Copper	0.0012J	mg/L	0.0050	03/01/23 20:47	
EPA 6020B	Nickel	0.0050	mg/L	0.0050	03/01/23 20:47	
EPA 6020B	Vanadium	0.0030J	mg/L	0.010	03/01/23 20:47	
SM 2540C-2015	Total Dissolved Solids	369	mg/L	25.0	02/16/23 16:31	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	327	mg/L	5.0	02/21/23 13:44	
SM 2320B-2011	Alkalinity, Total as CaCO3	327	mg/L	5.0	02/21/23 13:44	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	02/17/23 01:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.22	mg/L	0.10	02/17/23 01:22	
EPA 300.0 Rev 2.1 1993	Sulfate	12.1	mg/L	1.0	02/17/23 01:22	
92651771016	BOW-GWC-17R					
	Performed by	Client			02/28/23 15:31	
	Collected By	Kevin Stephenson			02/28/23 15:31	
	Collected Date	02/10/23			02/28/23 15:31	
	Collected Time	10:38			02/28/23 15:31	
	pH	7.12	Std. Units		02/28/23 15:31	
EPA 6010D	Calcium	69.6	mg/L	1.0	02/24/23 22:21	
EPA 6010D	Potassium	0.62	mg/L	0.20	02/24/23 22:21	
EPA 6010D	Sodium	2.9	mg/L	1.0	02/24/23 22:21	
EPA 6010D	Magnesium	36.4	mg/L	0.050	02/24/23 22:21	
EPA 6020B	Barium	0.018	mg/L	0.0050	03/01/23 21:05	
SM 2540C-2015	Total Dissolved Solids	302	mg/L	25.0	02/16/23 16:32	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	308	mg/L	5.0	02/21/23 13:53	
SM 2320B-2011	Alkalinity, Total as CaCO3	308	mg/L	5.0	02/21/23 13:53	
EPA 300.0 Rev 2.1 1993	Chloride	4.7	mg/L	1.0	02/17/23 01:36	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	02/17/23 01:36	
EPA 300.0 Rev 2.1 1993	Sulfate	7.6	mg/L	1.0	02/17/23 01:36	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771017	BOW-GWC-20R					
	Performed by	Client			02/28/23 15:32	
	Collected By	Kevin Stephenson			02/28/23 15:32	
	Collected Date	02/10/23			02/28/23 15:32	
	Collected Time	10:25			02/28/23 15:32	
	pH	7.34	Std. Units		02/28/23 15:32	
EPA 6010D	Calcium	38.4	mg/L	1.0	02/24/23 22:25	
EPA 6010D	Potassium	0.65	mg/L	0.20	02/24/23 22:25	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/24/23 22:25	
EPA 6010D	Magnesium	21.3	mg/L	0.050	02/24/23 22:25	
EPA 6020B	Barium	0.031	mg/L	0.0050	03/01/23 21:11	
SM 2540C-2015	Total Dissolved Solids	226	mg/L	25.0	02/16/23 16:32	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	181	mg/L	5.0	02/21/23 12:20	
SM 2320B-2011	Alkalinity, Total as CaCO3	181	mg/L	5.0	02/21/23 12:20	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/17/23 01:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	02/17/23 01:51	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/17/23 01:51	
92651771018	BOW-GWC-23R					
	Performed by	Client			02/28/23 15:32	
	Collected By	Kevin Stephenson			02/28/23 15:32	
	Collected Date	02/10/23			02/28/23 15:32	
	Collected Time	11:20			02/28/23 15:32	
	pH	7.01	Std. Units		02/28/23 15:32	
EPA 6010D	Calcium	68.7	mg/L	1.0	02/24/23 22:30	
EPA 6010D	Iron	0.44	mg/L	0.040	02/24/23 22:30	
EPA 6010D	Manganese	0.089	mg/L	0.040	02/24/23 22:30	
EPA 6010D	Potassium	2.3	mg/L	0.20	02/24/23 22:30	
EPA 6010D	Sodium	88.7	mg/L	1.0	02/24/23 22:30	
EPA 6010D	Magnesium	36.2	mg/L	0.050	02/24/23 22:30	
EPA 6020B	Arsenic	0.0032J	mg/L	0.0050	03/01/23 21:16	
EPA 6020B	Barium	0.038	mg/L	0.0050	03/01/23 21:16	
SM 2540C-2015	Total Dissolved Solids	533	mg/L	25.0	02/16/23 16:32	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	451	mg/L	5.0	02/21/23 14:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	451	mg/L	5.0	02/21/23 14:02	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/17/23 03:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	02/17/23 03:26	
EPA 300.0 Rev 2.1 1993	Sulfate	86.7	mg/L	1.0	02/17/23 03:26	
92651771019	BOW-SPRING					
	Performed by	Client			02/28/23 15:33	
	Collected By	Kevin Stephenson			02/28/23 15:33	
	Collected Date	02/10/23			02/28/23 15:33	
	Collected Time	11:55			02/28/23 15:33	
	pH	7.42	Std. Units		02/28/23 15:33	
EPA 6010D	Calcium	28.5	mg/L	1.0	02/24/23 22:35	
EPA 6010D	Iron	0.086	mg/L	0.040	02/24/23 22:35	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92651771019	BOW-SPRING					
EPA 6010D	Manganese	0.010J	mg/L	0.040	02/24/23 22:35	
EPA 6010D	Potassium	0.74	mg/L	0.20	02/24/23 22:35	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/24/23 22:35	
EPA 6010D	Magnesium	16.0	mg/L	0.050	02/24/23 22:35	
EPA 6020B	Barium	0.024	mg/L	0.0050	03/01/23 21:22	
SM 2540C-2015	Total Dissolved Solids	123	mg/L	25.0	02/16/23 16:33	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	130	mg/L	5.0	02/21/23 12:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	130	mg/L	5.0	02/21/23 12:38	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	02/17/23 10:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.062J	mg/L	0.10	02/17/23 10:00	
EPA 300.0 Rev 2.1 1993	Sulfate	2.2	mg/L	1.0	02/17/23 10:00	
92651771020	BOW-LF3-4-FD-07					
EPA 6010D	Calcium	37.7	mg/L	1.0	02/24/23 22:40	
EPA 6010D	Potassium	0.66	mg/L	0.20	02/24/23 22:40	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/24/23 22:40	
EPA 6010D	Magnesium	21.0	mg/L	0.050	02/24/23 22:40	
EPA 6020B	Barium	0.031	mg/L	0.0050	03/01/23 21:28	
SM 2540C-2015	Total Dissolved Solids	169	mg/L	25.0	02/16/23 16:35	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	172	mg/L	5.0	02/21/23 12:48	
SM 2320B-2011	Alkalinity, Total as CaCO3	172	mg/L	5.0	02/21/23 12:48	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/17/23 10:14	
EPA 300.0 Rev 2.1 1993	Fluoride	0.053J	mg/L	0.10	02/17/23 10:14	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/17/23 10:14	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWA-36A **Lab ID: 92651771001** Collected: 02/08/23 15:10 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 14:01		
Collected By	Kevin Stephens				1		02/28/23 14:01		
Collected Date	02/08/23				1		02/28/23 14:01		
Collected Time	15:10				1		02/28/23 14:01		
pH	6.77	Std. Units			1		02/28/23 14:01		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.017J	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:20	7440-66-6	
Calcium	51.6	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:20	7440-70-2	
Iron	0.050	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:20	7439-89-6	
Manganese	0.012J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:20	7439-96-5	
Potassium	1.5	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:20	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:20	7440-23-5	
Magnesium	26.4	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:20	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 18:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 18:53	7440-38-2	
Barium	0.041	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 18:53	7440-39-3	
Beryllium	0.00077J	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 18:53	7440-41-7	
Boron	0.028J	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 18:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 18:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 18:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 18:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 18:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 18:53	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 18:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 18:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 18:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 18:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 18:53	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:16	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	245	mg/L	25.0	25.0	1		02/14/23 12:09		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-36A **Lab ID: 92651771001** Collected: 02/08/23 15:10 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	219	mg/L	5.0	5.0	1		02/17/23 15:07		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 15:07		
Alkalinity, Total as CaCO ₃	219	mg/L	5.0	5.0	1		02/17/23 15:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.5	mg/L	1.0	0.60	1		02/14/23 19:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 19:48	16984-48-8	
Sulfate	24.6	mg/L	1.0	0.50	1		02/14/23 19:48	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWA-36RA **Lab ID: 92651771002** Collected: 02/08/23 13:20 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 14:22		
Collected By	Kevin Stephens				1		02/28/23 14:22		
Collected Date	02/08/23				1		02/28/23 14:22		
Collected Time	13:20				1		02/28/23 14:22		
pH	6.88	Std. Units			1		02/28/23 14:22		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.0086J	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:25	7440-66-6	
Calcium	54.1	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:25	7440-70-2	
Iron	0.045	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:25	7439-89-6	
Manganese	0.0092J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:25	7439-96-5	
Potassium	1.4	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:25	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:25	7440-23-5	
Magnesium	27.8	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:25	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 18:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 18:59	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 18:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 18:59	7440-41-7	
Boron	0.023J	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 18:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 18:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 18:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 18:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 18:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 18:59	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 18:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 18:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 18:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 18:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 18:59	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:18	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	238	mg/L	25.0	25.0	1		02/14/23 12:09		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-36RA **Lab ID: 92651771002** Collected: 02/08/23 13:20 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	242	mg/L	5.0	5.0	1		02/17/23 15:15		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 15:15		
Alkalinity, Total as CaCO ₃	242	mg/L	5.0	5.0	1		02/17/23 15:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		02/14/23 20:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 20:02	16984-48-8	
Sulfate	21.7	mg/L	1.0	0.50	1		02/14/23 20:02	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWA-37 **Lab ID: 92651771003** Collected: 02/08/23 12:27 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 14:23		
Collected By	Kevin Stephens				1		02/28/23 14:23		
Collected Date	02/08/23				1		02/28/23 14:23		
Collected Time	12:27				1		02/28/23 14:23		
pH	5.30	Std. Units			1		02/28/23 14:23		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:30	7440-66-6	
Calcium	0.70J	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:30	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:30	7439-89-6	
Manganese	0.010J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:30	7439-96-5	
Potassium	0.35	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:30	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:30	7440-23-5	
Magnesium	0.31	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:30	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0013J	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 19:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 19:05	7440-38-2	
Barium	0.0039J	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 19:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 19:05	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 19:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 19:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 19:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 19:05	7440-48-4	
Copper	0.011	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 19:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 19:05	7439-92-1	
Nickel	0.012	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 19:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 19:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 19:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 19:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 19:05	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:21	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/14/23 12:10		
------------------------	----	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-37 **Lab ID: 92651771003** Collected: 02/08/23 12:27 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	5.2	mg/L	5.0	5.0	1		02/17/23 15:52		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 15:52		
Alkalinity, Total as CaCO ₃	5.2	mg/L	5.0	5.0	1		02/17/23 15:52		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/14/23 20:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 20:17	16984-48-8	
Sulfate	0.75J	mg/L	1.0	0.50	1		02/14/23 20:17	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-38 **Lab ID: 92651771004** Collected: 02/08/23 13:48 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:25		
Collected By	Kevin Stephens				1		02/28/23 15:25		
Collected Date	02/08/23				1		02/28/23 15:25		
Collected Time	13:48				1		02/28/23 15:25		
pH	5.13	Std. Units			1		02/28/23 15:25		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:34	7440-66-6	
Calcium	1.3	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:34	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:34	7439-89-6	
Manganese	0.038J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:34	7439-96-5	
Potassium	0.35	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:34	7440-09-7	
Sodium	3.7	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:34	7440-23-5	
Magnesium	0.46	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:34	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 19:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 19:11	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 19:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 19:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 19:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 19:11	7440-43-9	
Chromium	0.0012J	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 19:11	7440-47-3	
Cobalt	0.0010J	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 19:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 19:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 19:11	7439-92-1	
Nickel	0.00091J	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 19:11	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 19:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 19:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 19:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 19:11	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:24	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	31.0	mg/L	25.0	25.0	1		02/15/23 11:50		
------------------------	-------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWA-38 Lab ID: 92651771004 Collected: 02/08/23 13:48 Received: 02/10/23 15:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 15:58		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 15:58		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/17/23 15:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.5	mg/L	1.0	0.60	1		02/14/23 21:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 21:17	16984-48-8	
Sulfate	0.90J	mg/L	1.0	0.50	1		02/14/23 21:17	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-18	Lab ID: 92651771005	Collected: 02/09/23 11:25	Received: 02/10/23 15:30	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		02/28/23 15:26		
Collected By	Kevin Stephens				1		02/28/23 15:26		
Collected Date	02/09/23				1		02/28/23 15:26		
Collected Time	11:25				1		02/28/23 15:26		
pH	6.68	Std. Units			1		02/28/23 15:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:39	7440-66-6	
Calcium	26.2	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:39	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:39	7439-89-6	
Manganese	0.0071J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:39	7439-96-5	
Potassium	0.78	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:39	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:39	7440-23-5	
Magnesium	14.5	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:39	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 19:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 19:35	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 19:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 19:35	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 19:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 19:35	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 19:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 19:35	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 19:35	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 19:35	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 19:35	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 19:35	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 19:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 19:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 19:35	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:26	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	175	mg/L	25.0	25.0	1		02/15/23 18:44		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-18 **Lab ID: 92651771005** Collected: 02/09/23 11:25 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	118	mg/L	5.0	5.0	1		02/17/23 20:42		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 20:42		
Alkalinity, Total as CaCO ₃	118	mg/L	5.0	5.0	1		02/17/23 20:42		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		02/14/23 21:32	16887-00-6	
Fluoride	0.072J	mg/L	0.10	0.050	1		02/14/23 21:32	16984-48-8	
Sulfate	2.3	mg/L	1.0	0.50	1		02/14/23 21:32	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-18R **Lab ID: 92651771006** Collected: 02/09/23 13:30 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:26		
Collected By	Kevin Stephens				1		02/28/23 15:26		
Collected Date	02/09/23				1		02/28/23 15:26		
Collected Time	13:30				1		02/28/23 15:26		
pH	7.46	Std. Units			1		02/28/23 15:26		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:44	7440-66-6	
Calcium	31.2	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:44	7440-70-2	
Iron	0.12	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:44	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:44	7439-96-5	
Potassium	0.57	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:44	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:44	7440-23-5	
Magnesium	17.3	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:44	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 19:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 19:53	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 19:53	7440-39-3	
Beryllium	0.00015J	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 19:53	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 19:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 19:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 19:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 19:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 19:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 19:53	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 19:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 19:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 19:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 19:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 19:53	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:29	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	171	mg/L	25.0	25.0	1		02/15/23 18:44		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-18R **Lab ID: 92651771006** Collected: 02/09/23 13:30 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	145	mg/L	5.0	5.0	1		02/17/23 20:52		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 20:52		
Alkalinity, Total as CaCO ₃	145	mg/L	5.0	5.0	1		02/17/23 20:52		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		02/14/23 21:46	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 21:46	16984-48-8	
Sulfate	2.4	mg/L	1.0	0.50	1		02/14/23 21:46	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-19R Lab ID: 92651771007 Collected: 02/09/23 14:40 Received: 02/10/23 15:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		02/28/23 15:27		
Collected By	Kevin Stephens				1		02/28/23 15:27		
Collected Date	02/09/23				1		02/28/23 15:27		
Collected Time	14:40				1		02/28/23 15:27		
pH	7.38	Std. Units			1		02/28/23 15:27		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:59	7440-66-6	
Calcium	33.7	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:59	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:59	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:59	7439-96-5	
Potassium	0.66	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:59	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:59	7440-23-5	
Magnesium	18.5	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:59	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 19:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 19:59	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 19:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 19:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 19:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 19:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 19:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 19:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 19:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 19:59	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 19:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 19:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 19:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 19:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 19:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:32	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	171	mg/L	25.0	25.0	1		02/15/23 18:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-19R **Lab ID: 92651771007** Collected: 02/09/23 14:40 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	150	mg/L	5.0	5.0	1		02/17/23 21:02		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 21:02		
Alkalinity, Total as CaCO ₃	150	mg/L	5.0	5.0	1		02/17/23 21:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.7	mg/L	1.0	0.60	1		02/14/23 22:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 22:31	16984-48-8	
Sulfate	4.0	mg/L	1.0	0.50	1		02/14/23 22:31	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-21R **Lab ID: 92651771008** Collected: 02/09/23 14:55 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:27		
Collected By	Kevin Stephens				1		02/28/23 15:27		
Collected Date	02/09/23				1		02/28/23 15:27		
Collected Time	14:55				1		02/28/23 15:27		
pH	7.13	Std. Units			1		02/28/23 15:27		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.012J	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 21:03	7440-66-6	
Calcium	68.2	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 21:03	7440-70-2	
Iron	0.17	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 21:03	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 21:03	7439-96-5	
Potassium	1.1	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 21:03	7440-09-7	
Sodium	19.0	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 21:03	7440-23-5	
Magnesium	34.6	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 21:03	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0064	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:05	7440-36-0	
Arsenic	0.0025J	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:05	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:05	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:05	7440-43-9	
Chromium	0.0017J	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:05	7440-48-4	
Copper	0.0011J	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:05	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:05	7440-22-4	
Thallium	0.00029J	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:05	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:34	7439-97-6	
---------	-----------	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	317	mg/L	25.0	25.0	1		02/15/23 18:45		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-21R **Lab ID: 92651771008** Collected: 02/09/23 14:55 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	341	mg/L	5.0	5.0	1		02/18/23 08:41		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/18/23 08:41		
Alkalinity, Total as CaCO ₃	341	mg/L	5.0	5.0	1		02/18/23 08:41		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.5	mg/L	1.0	0.60	1		02/14/23 22:46	16887-00-6	
Fluoride	0.064J	mg/L	0.10	0.050	1		02/14/23 22:46	16984-48-8	
Sulfate	16.8	mg/L	1.0	0.50	1		02/14/23 22:46	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-22R **Lab ID: 92651771009** Collected: 02/09/23 11:56 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:28		
Collected By	Kevin Stephens				1		02/28/23 15:28		
Collected Date	02/09/23				1		02/28/23 15:28		
Collected Time	11:56				1		02/28/23 15:28		
pH	7.05	Std. Units			1		02/28/23 15:28		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 21:08	7440-66-6	
Calcium	37.0	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 21:08	7440-70-2	
Iron	0.58	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 21:08	7439-89-6	
Manganese	0.059	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 21:08	7439-96-5	
Potassium	1.1	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 21:08	7440-09-7	
Sodium	1.7	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 21:08	7440-23-5	
Magnesium	19.9	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 21:08	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:11	7440-36-0	
Arsenic	0.0030J	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:11	7440-38-2	
Barium	0.040	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:11	7440-47-3	
Cobalt	0.00043J	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:11	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:11	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:11	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:37	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	328	mg/L	25.0	25.0	1		02/15/23 18:45		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-22R **Lab ID: 92651771009** Collected: 02/09/23 11:56 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	175	mg/L	5.0	5.0	1		02/17/23 21:19		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 21:19		
Alkalinity, Total as CaCO ₃	175	mg/L	5.0	5.0	1		02/17/23 21:19		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.7	mg/L	1.0	0.60	1		02/14/23 23:00	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		02/14/23 23:00	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		02/14/23 23:00	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-24R **Lab ID: 92651771010** Collected: 02/09/23 13:46 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:29		
Collected By	Kevin Stephens				1		02/28/23 15:29		
Collected Date	02/09/23				1		02/28/23 15:29		
Collected Time	13:46				1		02/28/23 15:29		
pH	7.44	Std. Units			1		02/28/23 15:29		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 21:13	7440-66-6	
Calcium	32.8	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 21:13	7440-70-2	
Iron	0.11	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 21:13	7439-89-6	
Manganese	0.0059J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 21:13	7439-96-5	
Potassium	0.66	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 21:13	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 21:13	7440-23-5	
Magnesium	18.3	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 21:13	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:17	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:17	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:17	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:17	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:17	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:17	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:17	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:17	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:17	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:17	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:17	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:17	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:17	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:08	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	147	mg/L	25.0	25.0	1		02/15/23 18:47		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-24R **Lab ID: 92651771010** Collected: 02/09/23 13:46 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	151	mg/L	5.0	5.0	1		02/18/23 07:44		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/18/23 07:44		
Alkalinity, Total as CaCO ₃	151	mg/L	5.0	5.0	1		02/18/23 07:44		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		02/14/23 23:15	16887-00-6	
Fluoride	0.053J	mg/L	0.10	0.050	1		02/14/23 23:15	16984-48-8	
Sulfate	2.9	mg/L	1.0	0.50	1		02/14/23 23:15	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-25R **Lab ID: 92651771011** Collected: 02/09/23 14:56 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:29		
Collected By	Kevin Stephens				1		02/28/23 15:29		
Collected Date	02/09/23				1		02/28/23 15:29		
Collected Time	14:56				1		02/28/23 15:29		
pH	7.51	Std. Units			1		02/28/23 15:29		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 21:18	7440-66-6	
Calcium	35.6	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 21:18	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 21:18	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 21:18	7439-96-5	
Potassium	0.64	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 21:18	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 21:18	7440-23-5	
Magnesium	19.7	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 21:18	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:23	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:23	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:23	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:23	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:23	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:23	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:23	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:23	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:18	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	169	mg/L	25.0	25.0	1		02/16/23 16:29		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-25R **Lab ID: 92651771011** Collected: 02/09/23 14:56 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	166	mg/L	5.0	5.0	1		02/18/23 07:55		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/18/23 07:55		
Alkalinity, Total as CaCO ₃	166	mg/L	5.0	5.0	1		02/18/23 07:55		M1
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		02/14/23 23:30	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 23:30	16984-48-8	
Sulfate	2.3	mg/L	1.0	0.50	1		02/14/23 23:30	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-11 **Lab ID: 92651771012** Collected: 02/09/23 16:20 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 21:37	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 21:37	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 21:37	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 21:37	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 21:37	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 21:37	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 21:37	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:29	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:29	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:29	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:29	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:29	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:29	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:29	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:29	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:29	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:29	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:21	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/16/23 16:30		
------------------------	----	------	------	------	---	--	----------------	--	--

2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/18/23 08:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/18/23 08:24		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/18/23 08:24		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	ND	mg/L	1.0	0.60	1		02/15/23 00:14	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/23 00:14	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-11 **Lab ID: 92651771012** Collected: 02/09/23 16:20 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/15/23 00:14	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FD-06 Lab ID: 92651771013 Collected: 02/08/23 00:00 Received: 02/10/23 15:30 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 21:42	7439-89-6	
Manganese	0.039J	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 21:42	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 21:42	7440-66-6	
Potassium	0.24	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 21:42	7440-09-7	
Sodium	3.8	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 21:42	7440-23-5	
Calcium	1.3	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 21:42	7440-70-2	
Magnesium	0.48	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 21:42	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:35	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:35	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:35	7440-43-9	
Chromium	0.0019J	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:35	7440-47-3	
Cobalt	0.0010J	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:35	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:35	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:35	7439-92-1	
Nickel	0.00089J	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:35	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:35	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:35	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:23	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	48.0	mg/L	25.0	25.0	1		02/15/23 11:51		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 16:03		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 16:03		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/17/23 16:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.5	mg/L	1.0	0.60	1		02/15/23 00:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/23 00:29	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-LF3-4-FD-06 Lab ID: 92651771013 Collected: 02/08/23 00:00 Received: 02/10/23 15:30 Matrix: Water									
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	0.86J	mg/L	1.0	0.50	1		02/15/23 00:29	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-10 Lab ID: 92651771014 Collected: 02/08/23 15:15 Received: 02/10/23 15:30 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:11	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:11	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:11	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:11	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:11	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:11	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:11	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:41	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:41	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:41	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:41	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:41	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:41	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:41	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:41	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:41	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:41	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:41	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:26	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/15/23 11:52		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/17/23 16:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/17/23 16:08		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/17/23 16:08		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/15/23 00:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/23 00:44	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-10 **Lab ID: 92651771014** Collected: 02/08/23 15:15 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/15/23 00:44	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-16R **Lab ID: 92651771015** Collected: 02/10/23 09:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:30		
Collected By	Kevin Stephens				1		02/28/23 15:30		
Collected Date	02/10/23				1		02/28/23 15:30		
Collected Time	09:55				1		02/28/23 15:30		
pH	7.02	Std. Units			1		02/28/23 15:30		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.017J	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:16	7440-66-6	
Calcium	84.6	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:16	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:16	7439-89-6	
Manganese	0.0095J	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:16	7439-96-5	
Potassium	7.7	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:16	7440-09-7	
Sodium	27.3	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:16	7440-23-5	
Magnesium	17.7	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:16	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.020	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:47	7440-38-2	
Barium	0.053	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:47	7440-41-7	
Boron	0.020J	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:47	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:47	7440-48-4	
Copper	0.0012J	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:47	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:47	7439-92-1	
Nickel	0.0050	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:47	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:47	7440-28-0	
Vanadium	0.0030J	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:47	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:34	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	369	mg/L	25.0	25.0	1		02/16/23 16:31		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-16R **Lab ID: 92651771015** Collected: 02/10/23 09:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	327	mg/L	5.0	5.0	1		02/21/23 13:44		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 13:44		
Alkalinity, Total as CaCO ₃	327	mg/L	5.0	5.0	1		02/21/23 13:44		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.8	mg/L	1.0	0.60	1		02/17/23 01:22	16887-00-6	
Fluoride	0.22	mg/L	0.10	0.050	1		02/17/23 01:22	16984-48-8	
Sulfate	12.1	mg/L	1.0	0.50	1		02/17/23 01:22	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-17R **Lab ID: 92651771016** Collected: 02/10/23 10:38 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:31		
Collected By	Kevin Stephens				1		02/28/23 15:31		
Collected Date	02/10/23				1		02/28/23 15:31		
Collected Time	10:38				1		02/28/23 15:31		
pH	7.12	Std. Units			1		02/28/23 15:31		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:21	7440-66-6	
Calcium	69.6	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:21	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:21	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:21	7439-96-5	
Potassium	0.62	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:21	7440-09-7	
Sodium	2.9	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:21	7440-23-5	
Magnesium	36.4	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:21	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 21:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 21:05	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 21:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 21:05	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 21:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 21:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 21:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 21:05	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 21:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 21:05	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 21:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 21:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 21:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 21:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 21:05	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:37	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	302	mg/L	25.0	25.0	1		02/16/23 16:32		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-17R **Lab ID: 92651771016** Collected: 02/10/23 10:38 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	308	mg/L	5.0	5.0	1		02/21/23 13:53		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 13:53		
Alkalinity, Total as CaCO ₃	308	mg/L	5.0	5.0	1		02/21/23 13:53		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.7	mg/L	1.0	0.60	1		02/17/23 01:36	16887-00-6	
Fluoride	0.057J	mg/L	0.10	0.050	1		02/17/23 01:36	16984-48-8	
Sulfate	7.6	mg/L	1.0	0.50	1		02/17/23 01:36	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-20R **Lab ID: 92651771017** Collected: 02/10/23 10:25 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:32		
Collected By	Kevin Stephens				1		02/28/23 15:32		
Collected Date	02/10/23				1		02/28/23 15:32		
Collected Time	10:25				1		02/28/23 15:32		
pH	7.34	Std. Units			1		02/28/23 15:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:25	7440-66-6	
Calcium	38.4	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:25	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:25	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:25	7439-96-5	
Potassium	0.65	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:25	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:25	7440-23-5	
Magnesium	21.3	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:25	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 21:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 21:11	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 21:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 21:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 21:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 21:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 21:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 21:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 21:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 21:11	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 21:11	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 21:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 21:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 21:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 21:11	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:39	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	226	mg/L	25.0	25.0	1		02/16/23 16:32		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-20R Lab ID: 92651771017 Collected: 02/10/23 10:25 Received: 02/14/23 11:58 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	181	mg/L	5.0	5.0	1		02/21/23 12:20		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 12:20		
Alkalinity, Total as CaCO ₃	181	mg/L	5.0	5.0	1		02/21/23 12:20		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/17/23 01:51	16887-00-6	
Fluoride	0.054J	mg/L	0.10	0.050	1		02/17/23 01:51	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		02/17/23 01:51	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-GWC-23R **Lab ID: 92651771018** Collected: 02/10/23 11:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:32		
Collected By	Kevin Stephens				1		02/28/23 15:32		
Collected Date	02/10/23				1		02/28/23 15:32		
Collected Time	11:20				1		02/28/23 15:32		
pH	7.01	Std. Units			1		02/28/23 15:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:30	7440-66-6	
Calcium	68.7	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:30	7440-70-2	
Iron	0.44	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:30	7439-89-6	
Manganese	0.089	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:30	7439-96-5	
Potassium	2.3	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:30	7440-09-7	
Sodium	88.7	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:30	7440-23-5	
Magnesium	36.2	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:30	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 21:16	7440-36-0	
Arsenic	0.0032J	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 21:16	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 21:16	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 21:16	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 21:16	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 21:16	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 21:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 21:16	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 21:16	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 21:16	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 21:16	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 21:16	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 21:16	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 21:16	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 21:16	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:42	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	533	mg/L	25.0	25.0	1		02/16/23 16:32		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-23R **Lab ID: 92651771018** Collected: 02/10/23 11:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	451	mg/L	5.0	5.0	1		02/21/23 14:02		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 14:02		
Alkalinity, Total as CaCO ₃	451	mg/L	5.0	5.0	1		02/21/23 14:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/17/23 03:26	16887-00-6	
Fluoride	0.078J	mg/L	0.10	0.050	1		02/17/23 03:26	16984-48-8	
Sulfate	86.7	mg/L	1.0	0.50	1		02/17/23 03:26	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-SPRING **Lab ID: 92651771019** Collected: 02/10/23 11:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:33		
Collected By	Kevin Stephens				1		02/28/23 15:33		
Collected Date	02/10/23				1		02/28/23 15:33		
Collected Time	11:55				1		02/28/23 15:33		
pH	7.42	Std. Units			1		02/28/23 15:33		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:35	7440-66-6	
Calcium	28.5	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:35	7440-70-2	
Iron	0.086	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:35	7439-89-6	
Manganese	0.010J	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:35	7439-96-5	
Potassium	0.74	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:35	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:35	7440-23-5	
Magnesium	16.0	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:35	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 21:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 21:22	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 21:22	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 21:22	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 21:22	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 21:22	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 21:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 21:22	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 21:22	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 21:22	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 21:22	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 21:22	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 21:22	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 21:22	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 21:22	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:44	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	123	mg/L	25.0	25.0	1		02/16/23 16:33		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-SPRING **Lab ID: 92651771019** Collected: 02/10/23 11:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO ₃)	130	mg/L	5.0	5.0	1		02/21/23 12:38		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 12:38		
Alkalinity, Total as CaCO ₃	130	mg/L	5.0	5.0	1		02/21/23 12:38		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	2.3	mg/L	1.0	0.60	1		02/17/23 10:00	16887-00-6	
Fluoride	0.062J	mg/L	0.10	0.050	1		02/17/23 10:00	16984-48-8	
Sulfate	2.2	mg/L	1.0	0.50	1		02/17/23 10:00	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Sample: BOW-LF3-4-FD-07 Lab ID: 92651771020 Collected: 02/10/23 00:00 Received: 02/14/23 11:58 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:40	7440-66-6	
Calcium	37.7	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:40	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:40	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:40	7439-96-5	
Potassium	0.66	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:40	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:40	7440-23-5	
Magnesium	21.0	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:40	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 21:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 21:28	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 21:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 21:28	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 21:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 21:28	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 21:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 21:28	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 21:28	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 21:28	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 21:28	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 21:28	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 21:28	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 21:28	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 21:28	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:47	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	169	mg/L	25.0	25.0	1		02/16/23 16:35		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	172	mg/L	5.0	5.0	1		02/21/23 12:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 12:48		
Alkalinity, Total as CaCO3	172	mg/L	5.0	5.0	1		02/21/23 12:48		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/17/23 10:14	16887-00-6	
Fluoride	0.053J	mg/L	0.10	0.050	1		02/17/23 10:14	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FD-07 **Lab ID: 92651771020** Collected: 02/10/23 00:00 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.8	mg/L	1.0	0.50	1		02/17/23 10:14	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-12 **Lab ID: 92651771021** Collected: 02/10/23 12:30 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:54	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:54	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:54	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:54	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:54	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:54	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:54	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 14:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 14:59	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 14:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 14:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 14:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 14:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 14:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 14:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 10:21	03/02/23 14:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 14:59	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 10:21	03/02/23 14:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 14:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 10:21	03/02/23 14:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 14:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 10:21	03/02/23 14:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:50	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/16/23 16:35		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 13:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 13:00		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/21/23 13:00		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/17/23 10:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/17/23 10:29	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-LF3-4-FB-12 Lab ID: 92651771021 Collected: 02/10/23 12:30 Received: 02/14/23 11:58 Matrix: Water									
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/17/23 10:29	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 757805 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011

METHOD BLANK: 3936712 Matrix: Water
Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/24/23 19:03	
Iron	mg/L	ND	0.040	0.025	02/24/23 19:03	
Magnesium	mg/L	ND	0.050	0.012	02/24/23 19:03	
Manganese	mg/L	ND	0.040	0.0043	02/24/23 19:03	
Potassium	mg/L	ND	0.20	0.15	02/24/23 19:03	
Sodium	mg/L	ND	1.0	0.58	02/24/23 19:03	
Zinc	mg/L	ND	0.020	0.0085	02/24/23 19:03	

LABORATORY CONTROL SAMPLE: 3936713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.1	107	80-120	
Magnesium	mg/L	1	1.1	108	80-120	
Manganese	mg/L	1	1.1	106	80-120	
Potassium	mg/L	1	0.93	93	80-120	
Sodium	mg/L	1	1.0	103	80-120	
Zinc	mg/L	1	1.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3936714 3936715

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235053	Spike Conc.	Spike Conc.	Result								
Calcium	mg/L	ND	1	1	1.3	1.0	129	102	75-125	24	20	M1,R1	
Iron	mg/L	ND	1	1	1.1	1.0	106	104	75-125	2	20		
Magnesium	mg/L	ND	1	1	1.1	1.1	108	106	75-125	1	20		
Manganese	mg/L	ND	1	1	1.0	1.0	105	103	75-125	1	20		
Potassium	mg/L	ND	1	1	0.85	0.84	85	84	75-125	1	20		
Sodium	mg/L	ND	1	1	1.1	1.0	106	102	75-125	4	20		
Zinc	mg/L	ND	1	1	1.0	1.0	105	102	75-125	2	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 757844 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

METHOD BLANK: 3936991 Matrix: Water
Associated Lab Samples: 92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/24/23 21:28	
Iron	mg/L	ND	0.040	0.025	02/24/23 21:28	
Magnesium	mg/L	ND	0.050	0.012	02/24/23 21:28	
Manganese	mg/L	ND	0.040	0.0043	02/24/23 21:28	
Potassium	mg/L	ND	0.20	0.15	02/24/23 21:28	
Sodium	mg/L	ND	1.0	0.58	02/24/23 21:28	
Zinc	mg/L	ND	0.020	0.0085	02/24/23 21:28	

LABORATORY CONTROL SAMPLE: 3936992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.0	104	80-120	
Magnesium	mg/L	1	1.1	107	80-120	
Manganese	mg/L	1	1.0	103	80-120	
Potassium	mg/L	1	0.96	96	80-120	
Sodium	mg/L	1	1.0	102	80-120	
Zinc	mg/L	1	1.0	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3936993 3936994

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651771013 Result	Spike Conc.	Spike Conc.	Conc.								
Calcium	mg/L	1.3	1	1	2.3	2.3	96	101	75-125	2	20		
Iron	mg/L	ND	1	1	1.0	1.1	102	105	75-125	2	20		
Magnesium	mg/L	0.48	1	1	1.5	1.5	103	106	75-125	2	20		
Manganese	mg/L	0.039J	1	1	1.0	1.1	100	104	75-125	3	20		
Potassium	mg/L	0.24	1	1	1.4	1.3	115	106	75-125	7	20		
Sodium	mg/L	3.8	1	1	4.7	4.7	91	97	75-125	1	20		
Zinc	mg/L	ND	1	1	1.0	1.0	100	103	75-125	3	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 758324	Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A	Analysis Description: 6020 MET
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92651771021

METHOD BLANK: 3939084 Matrix: Water
Associated Lab Samples: 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/02/23 13:16	
Arsenic	mg/L	ND	0.0050	0.0022	03/02/23 13:16	
Barium	mg/L	ND	0.0050	0.00067	03/02/23 13:16	
Beryllium	mg/L	ND	0.00050	0.000054	03/02/23 13:16	
Boron	mg/L	ND	0.040	0.0086	03/02/23 13:16	
Cadmium	mg/L	ND	0.00050	0.00011	03/02/23 13:16	
Chromium	mg/L	0.0011J	0.0050	0.0011	03/02/23 13:16	
Cobalt	mg/L	ND	0.0050	0.00039	03/02/23 13:16	
Copper	mg/L	ND	0.0050	0.0010	03/02/23 13:16	
Lead	mg/L	ND	0.0010	0.00089	03/02/23 13:16	
Nickel	mg/L	ND	0.0050	0.00071	03/02/23 13:16	
Selenium	mg/L	ND	0.0050	0.0014	03/02/23 13:16	
Silver	mg/L	ND	0.0050	0.00044	03/02/23 13:16	
Thallium	mg/L	ND	0.0010	0.00018	03/02/23 13:16	
Vanadium	mg/L	ND	0.010	0.0019	03/02/23 13:16	

LABORATORY CONTROL SAMPLE: 3939085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.12	117	80-120	
Arsenic	mg/L	0.1	0.11	105	80-120	
Barium	mg/L	0.1	0.11	105	80-120	
Beryllium	mg/L	0.1	0.11	110	80-120	
Boron	mg/L	1	1.1	109	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Copper	mg/L	0.1	0.11	105	80-120	
Lead	mg/L	0.1	0.11	106	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.10	103	80-120	
Silver	mg/L	0.1	0.10	104	80-120	
Thallium	mg/L	0.1	0.11	105	80-120	
Vanadium	mg/L	0.1	0.10	104	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3939086 3939087												
Parameter	Units	92649235052		MS	MSD	MS		MSD		% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec			
Antimony	mg/L	ND	0.1	0.1	0.12	0.11	115	114	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	1	20	
Barium	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.11	104	107	75-125	3	20	
Boron	mg/L	ND	1	1	1.0	1.1	104	106	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	0	20	
Copper	mg/L	ND	0.1	0.1	0.10	0.10	105	103	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	105	102	75-125	3	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	105	103	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Silver	mg/L	ND	0.1	0.1	0.11	0.10	106	103	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	105	104	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.11	0.10	105	103	75-125	2	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 758326 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020

METHOD BLANK: 3939098 Matrix: Water
Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/01/23 18:41	
Arsenic	mg/L	ND	0.0050	0.0022	03/01/23 18:41	
Barium	mg/L	ND	0.0050	0.00067	03/01/23 18:41	
Beryllium	mg/L	ND	0.00050	0.000054	03/01/23 18:41	
Boron	mg/L	ND	0.040	0.0086	03/01/23 18:41	
Cadmium	mg/L	ND	0.00050	0.00011	03/01/23 18:41	
Chromium	mg/L	ND	0.0050	0.0011	03/01/23 18:41	
Cobalt	mg/L	ND	0.0050	0.00039	03/01/23 18:41	
Copper	mg/L	ND	0.0050	0.0010	03/01/23 18:41	
Lead	mg/L	ND	0.0010	0.00089	03/01/23 18:41	
Nickel	mg/L	ND	0.0050	0.00071	03/01/23 18:41	
Selenium	mg/L	ND	0.0050	0.0014	03/01/23 18:41	
Silver	mg/L	ND	0.0050	0.00044	03/01/23 18:41	
Thallium	mg/L	ND	0.0010	0.00018	03/01/23 18:41	
Vanadium	mg/L	ND	0.010	0.0019	03/01/23 18:41	

LABORATORY CONTROL SAMPLE: 3939099

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.12	116	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	105	80-120	
Beryllium	mg/L	0.1	0.10	103	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	105	80-120	
Nickel	mg/L	0.1	0.10	105	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.11	106	80-120	
Thallium	mg/L	0.1	0.11	105	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3939100												3939101		
Parameter	Units	92651771004 Result	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
			Spike Conc.	Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.12	0.11	115	114	75-125	1	20			
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20			
Barium	mg/L	0.013	0.1	0.1	0.11	0.12	101	103	75-125	2	20			
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	2	20			
Boron	mg/L	ND	1	1	0.98	0.97	98	97	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	0	20			
Chromium	mg/L	0.0012J	0.1	0.1	0.11	0.11	107	106	75-125	1	20			
Cobalt	mg/L	0.0010J	0.1	0.1	0.11	0.11	106	104	75-125	2	20			
Copper	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	1	20			
Lead	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20			
Nickel	mg/L	0.00091J	0.1	0.1	0.11	0.11	107	106	75-125	1	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20			
Silver	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20			
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	103	101	75-125	2	20			
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	109	108	75-125	0	20			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch: 758958 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009

METHOD BLANK: 3942317 Matrix: Water
 Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/02/23 15:22	

LABORATORY CONTROL SAMPLE: 3942318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3942319 3942320

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235049 Result	Spike Conc.	Spike Conc.	Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0022	0.0022	86	87	75-125	1	20

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch: 759114

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92651771010, 92651771011, 92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

METHOD BLANK: 3943308

Matrix: Water

Associated Lab Samples: 92651771010, 92651771011, 92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/03/23 07:02	

LABORATORY CONTROL SAMPLE: 3943309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3943310 3943311

Parameter	Units	92651771010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0023	91	91	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 755730 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92651771001, 92651771002, 92651771003

METHOD BLANK: 3926329 Matrix: Water
Associated Lab Samples: 92651771001, 92651771002, 92651771003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/14/23 11:56	

LABORATORY CONTROL SAMPLE: 3926330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	396	99	80-120	

SAMPLE DUPLICATE: 3926331

Parameter	Units	92651580013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	190	203	7	10	

SAMPLE DUPLICATE: 3926332

Parameter	Units	92651382012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	141	138	2	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 755982 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92651771004, 92651771013, 92651771014

METHOD BLANK: 3927602 Matrix: Water
Associated Lab Samples: 92651771004, 92651771013, 92651771014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/15/23 11:50	

LABORATORY CONTROL SAMPLE: 3927603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	377	94	80-120	

SAMPLE DUPLICATE: 3927604

Parameter	Units	92651771004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	31.0	29.0	7	10	

SAMPLE DUPLICATE: 3927605

Parameter	Units	92650184006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	619	623	1	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 755997 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010

METHOD BLANK: 3927731 Matrix: Water
Associated Lab Samples: 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/15/23 18:35	

LABORATORY CONTROL SAMPLE: 3927732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	80-120	

SAMPLE DUPLICATE: 3927733

Parameter	Units	92651576013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	246	153	47	10	

SAMPLE DUPLICATE: 3927734

Parameter	Units	92651580022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	582	676	15	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch:	756280	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92651771011, 92651771012, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

METHOD BLANK: 3929095 Matrix: Water
Associated Lab Samples: 92651771011, 92651771012, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/16/23 15:00	

LABORATORY CONTROL SAMPLE: 3929096

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	377	94	80-120	

SAMPLE DUPLICATE: 3929098

Parameter	Units	92651771019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	123	119	3	10	

SAMPLE DUPLICATE: 3929113

Parameter	Units	92651771011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	169	185	9	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 756119 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92651771001, 92651771002

METHOD BLANK: 3928501 Matrix: Water

Associated Lab Samples: 92651771001, 92651771002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/17/23 11:43	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 11:43	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 11:43	

LABORATORY CONTROL SAMPLE: 3928502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.5	101	80-120	

LABORATORY CONTROL SAMPLE: 3928503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928504 3928505

Parameter	Units	3928504		3928505		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651771001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	219	50	50	262	86	104	80-120	3	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928506 3928507

Parameter	Units	3928506		3928507		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651771002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	242	50	50	287	90	83	80-120	1	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 756264 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92651771003, 92651771004, 92651771013, 92651771014

METHOD BLANK: 3929037 Matrix: Water
Associated Lab Samples: 92651771003, 92651771004, 92651771013, 92651771014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/17/23 15:34	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 15:34	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 15:34	

LABORATORY CONTROL SAMPLE: 3929038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.9	102	80-120	

LABORATORY CONTROL SAMPLE: 3929039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3929040 3929041

Parameter	Units	92651382018		92651382019		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	57.7	50	50	111	113	107	111	80-120	1	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3929042 3929043

Parameter	Units	92651382019		92651382018		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	26.4	50	50	78.1	79.1	103	105	80-120	1	25		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 756267 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012

METHOD BLANK: 3929051 Matrix: Water
Associated Lab Samples: 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/17/23 18:59	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 18:59	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 18:59	

LABORATORY CONTROL SAMPLE: 3929052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.4	101	80-120	

LABORATORY CONTROL SAMPLE: 3929053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.9	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3929054 3929055

Parameter	Units	3929054		3929055		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	166	50	50	229	226	126	118	80-120	2	25 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3929056 3929057

Parameter	Units	3929056		3929057		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	ND	50	50	49.0	49.2	98	98	80-120	0	25

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 756619 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

METHOD BLANK: 3930962 Matrix: Water
Associated Lab Samples: 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/21/23 11:48	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 11:48	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 11:48	

LABORATORY CONTROL SAMPLE: 3930963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.2	98	80-120	

LABORATORY CONTROL SAMPLE: 3930964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930965 3930966

Parameter	Units	3930965		3930966		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92652194002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Alkalinity, Total as CaCO3	mg/L	102	50	50	159	157	116	111	80-120	2	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 755682 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012, 92651771013, 92651771014

METHOD BLANK: 3926132 Matrix: Water
Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012, 92651771013, 92651771014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/14/23 15:21	
Fluoride	mg/L	ND	0.10	0.050	02/14/23 15:21	
Sulfate	mg/L	ND	1.0	0.50	02/14/23 15:21	

LABORATORY CONTROL SAMPLE: 3926133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.7	99	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.1	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3926134 3926135

Parameter	Units	92649235055		3926135		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	93.7	50	50	140	141	92	94	90-110	1	10
Fluoride	mg/L	0.11	2.5	2.5	2.9	2.9	111	111	90-110	0	10 M1
Sulfate	mg/L	42.6	50	50	96.6	96.7	108	108	90-110	0	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3926136 3926137

Parameter	Units	92651771006		3926137		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.6	50	50	57.2	57.7	109	110	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	108	109	90-110	1	10
Sulfate	mg/L	2.4	50	50	57.0	57.4	109	110	90-110	1	10

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch: 756233 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92651771015, 92651771016, 92651771017

METHOD BLANK: 3928918 Matrix: Water
 Associated Lab Samples: 92651771015, 92651771016, 92651771017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/16/23 17:44	
Fluoride	mg/L	ND	0.10	0.050	02/16/23 17:44	
Sulfate	mg/L	ND	1.0	0.50	02/16/23 17:44	

LABORATORY CONTROL SAMPLE: 3928919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.6	106	90-110	
Sulfate	mg/L	50	50.7	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928920 3928921

Parameter	Units	92652036001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	404	50	50	453	452	97	97	90-110	0	10		
Fluoride	mg/L	14.5	2.5	2.5	15.6	15.6	47	44	90-110	1	10	M1	
Sulfate	mg/L	728	50	50	773	774	90	91	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928922 3928923

Parameter	Units	92652411007		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	36.8	50	50	85.7	86.6	98	100	90-110	1	10		
Fluoride	mg/L	0.11	2.5	2.5	2.3	2.4	89	92	90-110	3	10	M1	
Sulfate	mg/L	1.8	50	50	51.0	51.8	98	100	90-110	2	10		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

QC Batch: 756234 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92651771018, 92651771019, 92651771020, 92651771021

METHOD BLANK: 3928924 Matrix: Water
Associated Lab Samples: 92651771018, 92651771019, 92651771020, 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/17/23 02:06	
Fluoride	mg/L	ND	0.10	0.050	02/17/23 02:06	
Sulfate	mg/L	ND	1.0	0.50	02/17/23 02:06	

LABORATORY CONTROL SAMPLE: 3928925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	49.4	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928926 3928927

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651771018 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	2.0	50	50	50.4	50.8	97	98	90-110	1	10		
Fluoride	mg/L	0.078J	2.5	2.5	2.3	2.4	90	92	90-110	2	10		
Sulfate	mg/L	86.7	50	50	134	136	95	98	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928928 3928929

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652194007 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	1.0	50	50	49.7	50.1	97	98	90-110	1	10		
Fluoride	mg/L	0.053J	2.5	2.5	2.4	2.5	94	96	90-110	3	10		
Sulfate	mg/L	1.4	50	50	49.8	50.2	97	98	90-110	1	10		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92651771001	BOW-GWA-36A				
92651771002	BOW-GWA-36RA				
92651771003	BOW-GWA-37				
92651771004	BOW-GWA-38				
92651771005	BOW-GWC-18				
92651771006	BOW-GWC-18R				
92651771007	BOW-GWC-19R				
92651771008	BOW-GWC-21R				
92651771009	BOW-GWC-22R				
92651771010	BOW-GWC-24R				
92651771011	BOW-GWC-25R				
92651771015	BOW-GWC-16R				
92651771016	BOW-GWC-17R				
92651771017	BOW-GWC-20R				
92651771018	BOW-GWC-23R				
92651771019	BOW-SPRING				
92651771001	BOW-GWA-36A	EPA 3010A	757805	EPA 6010D	757930
92651771002	BOW-GWA-36RA	EPA 3010A	757805	EPA 6010D	757930
92651771003	BOW-GWA-37	EPA 3010A	757805	EPA 6010D	757930
92651771004	BOW-GWA-38	EPA 3010A	757805	EPA 6010D	757930
92651771005	BOW-GWC-18	EPA 3010A	757805	EPA 6010D	757930
92651771006	BOW-GWC-18R	EPA 3010A	757805	EPA 6010D	757930
92651771007	BOW-GWC-19R	EPA 3010A	757805	EPA 6010D	757930
92651771008	BOW-GWC-21R	EPA 3010A	757805	EPA 6010D	757930
92651771009	BOW-GWC-22R	EPA 3010A	757805	EPA 6010D	757930
92651771010	BOW-GWC-24R	EPA 3010A	757805	EPA 6010D	757930
92651771011	BOW-GWC-25R	EPA 3010A	757805	EPA 6010D	757930
92651771012	BOW-LF3-4-FB-11	EPA 3010A	757844	EPA 6010D	757996
92651771013	BOW-LF3-4-FD-06	EPA 3010A	757844	EPA 6010D	757996
92651771014	BOW-LF3-4-FB-10	EPA 3010A	757844	EPA 6010D	757996
92651771015	BOW-GWC-16R	EPA 3010A	757844	EPA 6010D	757996
92651771016	BOW-GWC-17R	EPA 3010A	757844	EPA 6010D	757996
92651771017	BOW-GWC-20R	EPA 3010A	757844	EPA 6010D	757996
92651771018	BOW-GWC-23R	EPA 3010A	757844	EPA 6010D	757996
92651771019	BOW-SPRING	EPA 3010A	757844	EPA 6010D	757996
92651771020	BOW-LF3-4-FD-07	EPA 3010A	757844	EPA 6010D	757996
92651771021	BOW-LF3-4-FB-12	EPA 3010A	757844	EPA 6010D	757996
92651771001	BOW-GWA-36A	EPA 3005A	758326	EPA 6020B	758552
92651771002	BOW-GWA-36RA	EPA 3005A	758326	EPA 6020B	758552
92651771003	BOW-GWA-37	EPA 3005A	758326	EPA 6020B	758552
92651771004	BOW-GWA-38	EPA 3005A	758326	EPA 6020B	758552
92651771005	BOW-GWC-18	EPA 3005A	758326	EPA 6020B	758552
92651771006	BOW-GWC-18R	EPA 3005A	758326	EPA 6020B	758552
92651771007	BOW-GWC-19R	EPA 3005A	758326	EPA 6020B	758552
92651771008	BOW-GWC-21R	EPA 3005A	758326	EPA 6020B	758552
92651771009	BOW-GWC-22R	EPA 3005A	758326	EPA 6020B	758552
92651771010	BOW-GWC-24R	EPA 3005A	758326	EPA 6020B	758552

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92651771011	BOW-GWC-25R	EPA 3005A	758326	EPA 6020B	758552
92651771012	BOW-LF3-4-FB-11	EPA 3005A	758326	EPA 6020B	758552
92651771013	BOW-LF3-4-FD-06	EPA 3005A	758326	EPA 6020B	758552
92651771014	BOW-LF3-4-FB-10	EPA 3005A	758326	EPA 6020B	758552
92651771015	BOW-GWC-16R	EPA 3005A	758326	EPA 6020B	758552
92651771016	BOW-GWC-17R	EPA 3005A	758326	EPA 6020B	758552
92651771017	BOW-GWC-20R	EPA 3005A	758326	EPA 6020B	758552
92651771018	BOW-GWC-23R	EPA 3005A	758326	EPA 6020B	758552
92651771019	BOW-SPRING	EPA 3005A	758326	EPA 6020B	758552
92651771020	BOW-LF3-4-FD-07	EPA 3005A	758326	EPA 6020B	758552
92651771021	BOW-LF3-4-FB-12	EPA 3005A	758324	EPA 6020B	758562
92651771001	BOW-GWA-36A	EPA 7470A	758958	EPA 7470A	759044
92651771002	BOW-GWA-36RA	EPA 7470A	758958	EPA 7470A	759044
92651771003	BOW-GWA-37	EPA 7470A	758958	EPA 7470A	759044
92651771004	BOW-GWA-38	EPA 7470A	758958	EPA 7470A	759044
92651771005	BOW-GWC-18	EPA 7470A	758958	EPA 7470A	759044
92651771006	BOW-GWC-18R	EPA 7470A	758958	EPA 7470A	759044
92651771007	BOW-GWC-19R	EPA 7470A	758958	EPA 7470A	759044
92651771008	BOW-GWC-21R	EPA 7470A	758958	EPA 7470A	759044
92651771009	BOW-GWC-22R	EPA 7470A	758958	EPA 7470A	759044
92651771010	BOW-GWC-24R	EPA 7470A	759114	EPA 7470A	759159
92651771011	BOW-GWC-25R	EPA 7470A	759114	EPA 7470A	759159
92651771012	BOW-LF3-4-FB-11	EPA 7470A	759114	EPA 7470A	759159
92651771013	BOW-LF3-4-FD-06	EPA 7470A	759114	EPA 7470A	759159
92651771014	BOW-LF3-4-FB-10	EPA 7470A	759114	EPA 7470A	759159
92651771015	BOW-GWC-16R	EPA 7470A	759114	EPA 7470A	759159
92651771016	BOW-GWC-17R	EPA 7470A	759114	EPA 7470A	759159
92651771017	BOW-GWC-20R	EPA 7470A	759114	EPA 7470A	759159
92651771018	BOW-GWC-23R	EPA 7470A	759114	EPA 7470A	759159
92651771019	BOW-SPRING	EPA 7470A	759114	EPA 7470A	759159
92651771020	BOW-LF3-4-FD-07	EPA 7470A	759114	EPA 7470A	759159
92651771021	BOW-LF3-4-FB-12	EPA 7470A	759114	EPA 7470A	759159
92651771001	BOW-GWA-36A	SM 2540C-2015	755730		
92651771002	BOW-GWA-36RA	SM 2540C-2015	755730		
92651771003	BOW-GWA-37	SM 2540C-2015	755730		
92651771004	BOW-GWA-38	SM 2540C-2015	755982		
92651771005	BOW-GWC-18	SM 2540C-2015	755997		
92651771006	BOW-GWC-18R	SM 2540C-2015	755997		
92651771007	BOW-GWC-19R	SM 2540C-2015	755997		
92651771008	BOW-GWC-21R	SM 2540C-2015	755997		
92651771009	BOW-GWC-22R	SM 2540C-2015	755997		
92651771010	BOW-GWC-24R	SM 2540C-2015	755997		
92651771011	BOW-GWC-25R	SM 2540C-2015	756280		
92651771012	BOW-LF3-4-FB-11	SM 2540C-2015	756280		
92651771013	BOW-LF3-4-FD-06	SM 2540C-2015	755982		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92651771014	BOW-LF3-4-FB-10	SM 2540C-2015	755982		
92651771015	BOW-GWC-16R	SM 2540C-2015	756280		
92651771016	BOW-GWC-17R	SM 2540C-2015	756280		
92651771017	BOW-GWC-20R	SM 2540C-2015	756280		
92651771018	BOW-GWC-23R	SM 2540C-2015	756280		
92651771019	BOW-SPRING	SM 2540C-2015	756280		
92651771020	BOW-LF3-4-FD-07	SM 2540C-2015	756280		
92651771021	BOW-LF3-4-FB-12	SM 2540C-2015	756280		
92651771001	BOW-GWA-36A	SM 2320B-2011	756119		
92651771002	BOW-GWA-36RA	SM 2320B-2011	756119		
92651771003	BOW-GWA-37	SM 2320B-2011	756264		
92651771004	BOW-GWA-38	SM 2320B-2011	756264		
92651771005	BOW-GWC-18	SM 2320B-2011	756267		
92651771006	BOW-GWC-18R	SM 2320B-2011	756267		
92651771007	BOW-GWC-19R	SM 2320B-2011	756267		
92651771008	BOW-GWC-21R	SM 2320B-2011	756267		
92651771009	BOW-GWC-22R	SM 2320B-2011	756267		
92651771010	BOW-GWC-24R	SM 2320B-2011	756267		
92651771011	BOW-GWC-25R	SM 2320B-2011	756267		
92651771012	BOW-LF3-4-FB-11	SM 2320B-2011	756267		
92651771013	BOW-LF3-4-FD-06	SM 2320B-2011	756264		
92651771014	BOW-LF3-4-FB-10	SM 2320B-2011	756264		
92651771015	BOW-GWC-16R	SM 2320B-2011	756619		
92651771016	BOW-GWC-17R	SM 2320B-2011	756619		
92651771017	BOW-GWC-20R	SM 2320B-2011	756619		
92651771018	BOW-GWC-23R	SM 2320B-2011	756619		
92651771019	BOW-SPRING	SM 2320B-2011	756619		
92651771020	BOW-LF3-4-FD-07	SM 2320B-2011	756619		
92651771021	BOW-LF3-4-FB-12	SM 2320B-2011	756619		
92651771001	BOW-GWA-36A	EPA 300.0 Rev 2.1 1993	755682		
92651771002	BOW-GWA-36RA	EPA 300.0 Rev 2.1 1993	755682		
92651771003	BOW-GWA-37	EPA 300.0 Rev 2.1 1993	755682		
92651771004	BOW-GWA-38	EPA 300.0 Rev 2.1 1993	755682		
92651771005	BOW-GWC-18	EPA 300.0 Rev 2.1 1993	755682		
92651771006	BOW-GWC-18R	EPA 300.0 Rev 2.1 1993	755682		
92651771007	BOW-GWC-19R	EPA 300.0 Rev 2.1 1993	755682		
92651771008	BOW-GWC-21R	EPA 300.0 Rev 2.1 1993	755682		
92651771009	BOW-GWC-22R	EPA 300.0 Rev 2.1 1993	755682		
92651771010	BOW-GWC-24R	EPA 300.0 Rev 2.1 1993	755682		
92651771011	BOW-GWC-25R	EPA 300.0 Rev 2.1 1993	755682		
92651771012	BOW-LF3-4-FB-11	EPA 300.0 Rev 2.1 1993	755682		
92651771013	BOW-LF3-4-FD-06	EPA 300.0 Rev 2.1 1993	755682		
92651771014	BOW-LF3-4-FB-10	EPA 300.0 Rev 2.1 1993	755682		
92651771015	BOW-GWC-16R	EPA 300.0 Rev 2.1 1993	756233		
92651771016	BOW-GWC-17R	EPA 300.0 Rev 2.1 1993	756233		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92651771017	BOW-GWC-20R	EPA 300.0 Rev 2.1 1993	756233		
92651771018	BOW-GWC-23R	EPA 300.0 Rev 2.1 1993	756234		
92651771019	BOW-SPRING	EPA 300.0 Rev 2.1 1993	756234		
92651771020	BOW-LF3-4-FD-07	EPA 300.0 Rev 2.1 1993	756234		
92651771021	BOW-LF3-4-FB-12	EPA 300.0 Rev 2.1 1993	756234		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



DC#_ Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

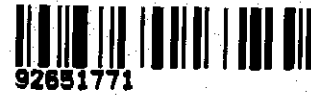
Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92651771



Courier: Commercial Fed Ex Pace UPS USPS Other: Client

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/10/23 [initials]

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: 230 Type of Ice: Wet Blue None

Cooler Temp: 3.8 Correction Factor: 0.0 Add/Subtract (°C)

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.8

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

				Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix:	W			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92651771

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 02/27/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: GA-GA Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3W-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-YPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG5U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92651771

PM: BV

Due Date: 02/27/23

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
 Required Client Information:
 Company: Georgia Power
 Address: 241 Ralph McGill Blvd NE
 Atlanta, GA 30308
 Email: krjurnin@ge.com
 Phone: (478) 217-4008
 Requested Due Date: Standard

Section B
 Required Project Information:
 Report To: Kristen Jurano, Cassidy Sutherland
 Copy To: Laura Moffatt, Ben Hodges, Mike Smiley
 Noelia Gargi
 Purchase Order #: Bowen LF Cells 3&4
 Project #: Bowen LF Cells 3&4
 Attention:
 Company Name: Georgia Power
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
 Project Manager: bonnie.yung@ge.com
 Project #: 10950-1

Section C
 Required Information:
 Regulatory Agency:
 State / Location: GA

ITEM #	MATRIX	SAMPLE ID <small>One Character per box (A-Z, 0-9 / -)</small> Sample IDs must be unique	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE <small>(G-GRAB C-COMP)</small>	COLLECTED		PRESERVATIVES							ANALYSES TEST			Residual Chlorine (Y/N)	pH				
					DATE	TIME	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Y/N	Y/N			Y/N			
1	BOW-GWA-36A		WG G	G	2/8/23	1510	3	2	1													
2	BOW-GWA-36BA		WG G	G	2/8/23	1320	3	2	1													6.77 051
3	BOW-GWA-37		WG G	G	2/8/23	1227	3	2	1													6.88 052
4	BOW-GWA-38		WG G	G	2/8/23	1348	3	2	1													5.30 005
5	BOW-GWC-16R		WG G	G																		5.13 004
6	BOW-GWC-17R		WG G	G																		
7	BOW-GWC-18		WG G	G																		
8	BOW-GWC-18R		WG G	G																		
9	BOW-GWC-19R		WG G	G																		
10	BOW-GWC-20R		WG G	G																		
11	BOW-GWC-21R		WG G	G																		
12	BOW-GWC-22R		WG G	G																		

ADDITIONAL COMMENTS	RELEASED BY / APPLICATION	DATE	TIME	ACCEPTED BY / APPLICATION	DATE	TIME	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	<i>(Signature)</i>	2/10/23	1235	<i>(Signature)</i>	2/10/23	1235				
	<i>(Signature)</i>	2/10/23	1630	<i>(Signature)</i>	2/10/23	1235				

SAMPLER NAME AND SIGNATURE: *(Signature)*
 PRINT Name of SAMPLER: Kevin Stephenson, William Leiber, Meredith Durcan
 SIGNATURE of SAMPLER: *(Signature)*
 DATE signed: 2/8/23



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pace labs.com/nutrient-standards-terms.pdf>.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Required Client Information:				Required Project Information:				Requested Analytical Parameters (Y/N):				
Company:	Georgia Power	Report To:	Kristen Lurino, Cassidy Substandard	Attention:			Regulatory Agency:			State / Location:		
Address:	241 Ralph McGill Blvd. NE	Copy To:	Laura Merritt, Ben Hodgson, Jake Smiley	Address:	241 Ralph McGill Blvd. NE, Atlanta, GA 30308		Regulatory Agency:			State / Location:	GA	
Atlanta, GA 30308		Purchase Order #:	Noelia Garza	Address:	241 Ralph McGill Blvd. NE, Atlanta, GA 30308		Regulatory Agency:			State / Location:	GA	
Email:	kgarrin@geopower.com	Project Name:	Bowen LF Cells 38.4	Pace Project Manager:	bennie.van@pacelabs.com		Regulatory Agency:			State / Location:	GA	
Phone:	(478) 217-2008	Project #:		Pace Profile #:	10850-4		Regulatory Agency:			State / Location:	GA	
Requested Date:	Standard						Regulatory Agency:			State / Location:	GA	

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, /, -) Sample IDs must be unique	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives									Analytes Test				Residual Chlorine (Y/N)															
										Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Y/N	II/IV + State Metals	Cl, F, SO4	TDS	Alkalinity																
15	BOW-GWC-28R	Drinking Water	DW		WG	G																																
16	BOW-GWC-24R	Water	WT		WG	G																																
17	BOW-GWC-26R	Water	WT		WG	G																																
18	BOW-SPRING	Product	P		WS	G																																
19	BOW-LF3-4-FD-08	Surface Water	SW		WG	G	2/8/23	3	2																													
19	BOW-LF3-4-FB-10	Surface Water	SW		WG	G	2/8/23	3	2	1																												
20	BOW-LF3-4-FB-	Surface Water	SW		WG	G																																
21	BOW-LF3-4-FB-	Surface Water	SW		WG	G																																
22	BOW-LF3-4-FB-	Surface Water	SW		WG	G																																
23	BOW-LF3-4-FB-	Surface Water	SW		WG	G																																
24	BOW-LF3-4-FB-	Surface Water	SW		WG	G																																

TEMP in °C	
Received on Ice (Y/N)	
Cooler Sealed (Y/N)	
Samples Intact (Y/N)	

SAMPLER NAME AND SIGNATURE			
PRINT NAME OF SAMPLER:	DATE	TIME	
Kevin Stephenson, William Leader, Brandon Durcan	2/16/23	1235	
ACCEPTED BY / AFFILIATION			
PRINT NAME OF SAMPLER:	DATE	TIME	
Kevin Stephenson, William Leader, Brandon Durcan	2/16/23	1530	



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92651771

Courier: Fed Ex UPS USPS Client Pace Other:

PM: BV

Due Date: 02/27/23

CLIENT: GA-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/14/23 CWH

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID:

230

Type of Ice: Wet Blue None

Cooler Temp:

4.9

Correction Factor: Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

4.9

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix: W			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

W0#: 92651771

PM: BV

Due Date: 02/27/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LPHg

CLIENT: GA-GA Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3H-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (pH > 9)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG3U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (C-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1			2			1																						
2			2			1																						
3			2			1																						
4			2			1																						
5			2			1																						
6			2			1																						
7			2			1																						
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://irfiro.pacelabs.com/hdsr/ps-standart-terms.pdf>

Section B
Required Client Information:
Company: Georgia Power
Address: 241 Ralph McGill Blvd. NE
Atlanta, GA 30308
Email: irfiro@sourcefire.com
Phone: (478) 217-0008
Requested Due Date: Standard

Section C
Required Project Information:
Report To: Kristen Junko, Cassidy Suteward
Copy To: Laura Melitt, Ben Hodges, Mike Smiley
Purchase Order #: Nathan Gentry
Project Name: Bowen LF Cells 384
Requested Analyte Filtered (Y/N):

Invoice Information:
Attention:
Company Name: Georgia Power
Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308
Pace Date:
Pace Project Manager: bonnie.yan@pace-labs.com
Pace Profile #: 10850-4
State Location: GA

ITEM #	SAMPLE ID One character per box (A-Z, 0-9, /, -) Sample IDs must be unique	MATRIX	CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES								ANALYSES TEST					Residual Chlorine (Y/N)				
				DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	III/IV + State Metals	Cl, F, SO4	TDS	Alkalinity						
1	BOW-GWA-38A	WG G																							
2	BOW-GWA-38FA	WG G																							
3	BOW-GWA-37	WG G																							
4	BOW-GWA-38	WG G																							
5	BOW-GWC-18R	WG G		2/10/23	0955	3	2	1																	
6	BOW-GWC-17R	WG G		2/10/23	1038	3	2	1																	
7	BOW-GWC-18	WG G																							
8	BOW-GWC-18R	WG G																							
9	BOW-GWC-18R	WG G																							
10	BOW-GWC-20R	WG G		2/10/23	1025	3	2	1																	
11	BOW-GWC-21R	WG G																							
12	BOW-GWC-22R	WG G																							

SAMPLER NAME AND SIGNATURE			
Print Name of Sampler:	Signature of Sampler:	DATE:	TIME:
Kevin Stephenson, William Leaker, Meredith Duncan	<i>(Handwritten Signature)</i>	2/10/23	1158
RESIDUE ENVIRONMENTAL			
DATE SIGNED:	<i>(Handwritten Signature)</i>		
2/10/23			

Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	TEMP in C	pH:

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <https://hlo.pacesites.com/hubs/press-standard-terms.pdf>.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Company: Georgia Power, Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308, Phone: (478) 217-0000, Fax: [blank], Requested Date: Standard, Project #: [blank]

Section B Required Project Information: Report To: Kristen Jurkica, Cassidy Substant, Copy To: Laura McKee, Ben Hodges, Mike Sniffley, Project Name: Bowen LF Cells 3&4, Purchase Order #: [blank], Project #: [blank]

Section C Invoice Information: Customer: [blank], Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308, Company Name: Georgia Power, Pace Order: [blank], Pace Project Manager: borrie.yarr@pacesites.com, Pace Profile #: 10850-4

Section D Required Analytical Parameters (Y/N): IIRV + State Metals, Cl, F, SO4, TDS, Alkalinity, Residual Chlorine (Y/N)

Table with columns: ITEM #, MATRIX CODE, SAMPLE TYPE, DATE, TIME, SAMPLE TEMP AT COLLECTION, # OF CONTAINERS, Preservatives (H2SO4, HNO3, HCl, NaOH, Na2S2O3, Methanol, Other), Analytes Test (IIRV + State Metals, Cl, F, SO4, TDS, Alkalinity), Residual Chlorine (Y/N), TEMP in C, Received on ice (Y/N), Custody Sealed Cooler (Y/N), Samples Intact (Y/N). Rows 13-24 contain sample data for various BOW matrices.

SAMPLER NAME AND SIGNATURES: PRINT Name of SAMPLER: Kevan Stephenson, William Lasker, Meredith Duncan. SIGNATURE OF SAMPLER: [Signatures]. DATE Signed: 2/10/23. SAMPLER COMMENTS: [Handwritten notes]

April 14, 2023

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between February 14, 2023 and February 17, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

A revised report is being submitted on 4/14/23 due to a compound list reporting error.

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

Sincerely,



Angela Baioni for
Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power-CCR
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Michael Smilley, Georgia Power

Brian Steele, Stantec
Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381
South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92652194001	BOW-GWA-39Z	Water	02/13/23 12:55	02/14/23 11:58
92652194002	BOW-GWA-40	Water	02/13/23 14:20	02/14/23 11:58
92652194003	BOW-GWA-41	Water	02/13/23 15:00	02/14/23 11:58
92652194004	BOW-GWA-41R	Water	02/13/23 12:20	02/14/23 11:58
92652194005	BOW-GWA-42	Water	02/13/23 10:41	02/14/23 11:58
92652194006	BOW-GWA-43R	Water	02/13/23 16:14	02/14/23 11:58
92652194007	BOW-LF9-10-FD-08	Water	02/13/23 00:00	02/14/23 11:58
92652194008	BOW-LF9-10-FB-13	Water	02/13/23 15:50	02/14/23 11:58
92652194009	BOW-GWA-39RZ	Water	02/14/23 14:20	02/17/23 12:15
92652194010	BOW-GWA-43	Water	02/14/23 11:00	02/17/23 12:15
92652194011	BOW-GWC-44	Water	02/14/23 14:10	02/17/23 12:15
92652194012	BOW-GWC-46R	Water	02/14/23 14:54	02/17/23 12:15
92652194013	BOW-GWC-49R	Water	02/14/23 12:26	02/17/23 12:15
92652194014	BOW-GWC-49Z	Water	02/14/23 13:33	02/17/23 12:15
92652194015	BOW-LF9-10-FB-14	Water	02/14/23 15:18	02/17/23 12:15
92652194016	BOW-LF9-10-EB-5	Water	02/14/23 15:40	02/17/23 12:15
92652194017	BOW-GWC-45	Water	02/14/23 11:15	02/17/23 12:15
92652194018	BOW-GWC-45R	Water	02/14/23 13:20	02/17/23 12:15
92652194019	BOW-GWC-47	Water	02/14/23 10:11	02/17/23 12:15
92652194020	BOW-GWC-47R	Water	02/14/23 11:54	02/17/23 12:15
92652194021	BOW-GWC-48	Water	02/14/23 13:36	02/17/23 12:15
92652194022	BOW-LF9-10-FD-09	Water	02/14/23 00:00	02/17/23 12:15
92652194023	BOW-LF9-10-FB-15	Water	02/14/23 15:38	02/17/23 12:15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652194001	BOW-GWA-39Z	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652194002	BOW-GWA-40	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652194003	BOW-GWA-41	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92652194004	BOW-GWA-41R	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92652194005	BOW-GWA-42	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
92652194006	BOW-GWA-43R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194007	BOW-LF9-10-FD-08	EPA 6010D	MS	7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194008	BOW-LF9-10-FB-13	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194009	BOW-GWA-39RZ	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194010	BOW-GWA-43	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194011	BOW-GWC-44	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194012	BOW-GWC-46R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194013	BOW-GWC-49R	EPA 6010D	MS	7
		EPA 6020B	CW1	15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194014	BOW-GWC-49Z	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194015	BOW-LF9-10-FB-14	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194016	BOW-LF9-10-EB-5	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194017	BOW-GWC-45	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194018	BOW-GWC-45R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194019	BOW-GWC-47	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652194020	BOW-GWC-47R	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652194021	BOW-GWC-48	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652194022	BOW-LF9-10-FD-09	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194023	BOW-LF9-10-FB-15	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194001	BOW-GWA-39Z					
	Performed by	Client			03/08/23 14:16	
	Collected By	Kevin Stephenson			03/08/23 14:16	
	Collected Date	2/13/2023			03/08/23 14:16	
	Collected Time	12:55			03/08/23 14:16	
	pH	6.35	Std. Units		03/08/23 14:16	
EPA 6010D	Calcium	12.8	mg/L	1.0	03/01/23 16:50	
EPA 6010D	Iron	0.030J	mg/L	0.040	03/01/23 16:50	
EPA 6010D	Manganese	0.0051J	mg/L	0.040	03/01/23 16:50	
EPA 6010D	Potassium	1.3	mg/L	0.50	03/01/23 16:50	
EPA 6010D	Sodium	2.0	mg/L	1.0	03/01/23 16:50	
EPA 6010D	Magnesium	6.7	mg/L	0.050	03/01/23 16:50	
EPA 6020B	Antimony	0.00087J	mg/L	0.0030	03/02/23 20:56	
EPA 6020B	Barium	0.018	mg/L	0.0050	03/02/23 20:56	
EPA 6020B	Nickel	0.00095J	mg/L	0.0050	03/02/23 20:56	
SM 2540C-2015	Total Dissolved Solids	105	mg/L	25.0	02/17/23 14:05	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	63.9	mg/L	5.0	02/21/23 13:14	
SM 2320B-2011	Alkalinity, Total as CaCO3	63.9	mg/L	5.0	02/21/23 13:14	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	02/17/23 10:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	02/17/23 10:43	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/17/23 10:43	
92652194002	BOW-GWA-40					
	Performed by	Client			03/08/23 14:22	
	Collected By	Kevin Stephenson			03/08/23 14:22	
	Collected Date	02/13/23			03/08/23 14:22	
	Collected Time	14:20			03/08/23 14:22	
	pH	6.94	Std. Units		03/08/23 14:22	
EPA 6010D	Calcium	18.4	mg/L	1.0	03/01/23 16:55	
EPA 6010D	Potassium	0.89	mg/L	0.50	03/01/23 16:55	
EPA 6010D	Sodium	1.2	mg/L	1.0	03/01/23 16:55	
EPA 6010D	Magnesium	9.6	mg/L	0.050	03/01/23 16:55	
EPA 6020B	Barium	0.0075	mg/L	0.0050	03/02/23 21:02	
SM 2540C-2015	Total Dissolved Solids	259	mg/L	25.0	02/17/23 14:05	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	02/21/23 13:21	
SM 2320B-2011	Alkalinity, Total as CaCO3	102	mg/L	5.0	02/21/23 13:21	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/17/23 10:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	02/17/23 10:58	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/17/23 10:58	
92652194003	BOW-GWA-41					
	Performed by	Client			03/08/23 14:23	
	Collected By	Kevin Stephenson			03/08/23 14:23	
	Collected Date	02/13/23			03/08/23 14:23	
	Collected Time	15:00			03/08/23 14:23	
	pH	6.25	Std. Units		03/08/23 14:23	
EPA 6010D	Calcium	26.9	mg/L	1.0	03/01/23 17:14	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194003	BOW-GWA-41					
EPA 6010D	Potassium	0.93	mg/L	0.50	03/01/23 17:14	
EPA 6010D	Sodium	0.93J	mg/L	1.0	03/01/23 17:14	
EPA 6010D	Magnesium	13.3	mg/L	0.050	03/01/23 17:14	
EPA 6020B	Barium	0.029	mg/L	0.0050	03/02/23 21:08	
EPA 7470A	Mercury	0.00017J	mg/L	0.00020	03/03/23 07:58	
SM 2540C-2015	Total Dissolved Solids	111	mg/L	25.0	02/17/23 14:06	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	119	mg/L	5.0	02/21/23 15:47	
SM 2320B-2011	Alkalinity, Total as CaCO3	119	mg/L	5.0	02/21/23 15:47	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/17/23 11:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	02/17/23 11:12	
EPA 300.0 Rev 2.1 1993	Sulfate	6.0	mg/L	1.0	02/17/23 11:12	
92652194004	BOW-GWA-41R					
	Performed by	Client			03/08/23 14:25	
	Collected By	Kevin Stephenson			03/08/23 14:25	
	Collected Date	02/13/23			03/08/23 14:25	
	Collected Time	12:20			03/08/23 14:25	
	pH	6.45	Std. Units		03/08/23 14:25	
EPA 6010D	Calcium	38.6	mg/L	1.0	03/01/23 17:19	
EPA 6010D	Iron	0.14	mg/L	0.040	03/01/23 17:19	
EPA 6010D	Manganese	0.14	mg/L	0.040	03/01/23 17:19	
EPA 6010D	Potassium	2.0	mg/L	0.50	03/01/23 17:19	
EPA 6010D	Sodium	0.70J	mg/L	1.0	03/01/23 17:19	
EPA 6010D	Magnesium	19.3	mg/L	0.050	03/01/23 17:19	
EPA 6020B	Antimony	0.0045	mg/L	0.0030	03/02/23 21:32	
EPA 6020B	Barium	0.028	mg/L	0.0050	03/02/23 21:32	
EPA 6020B	Boron	0.017J	mg/L	0.040	03/02/23 21:32	
EPA 6020B	Copper	0.0012J	mg/L	0.0050	03/02/23 21:32	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/03/23 08:05	
SM 2540C-2015	Total Dissolved Solids	163	mg/L	25.0	02/17/23 14:06	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	02/21/23 15:57	
SM 2320B-2011	Alkalinity, Total as CaCO3	188	mg/L	5.0	02/21/23 15:57	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/17/23 11:26	
EPA 300.0 Rev 2.1 1993	Sulfate	10.2	mg/L	1.0	02/17/23 11:26	
92652194005	BOW-GWA-42					
	Performed by	Client			03/08/23 14:26	
	Collected By	Kevin Stephenson			03/08/23 14:26	
	Collected Date	02/13/23			03/08/23 14:26	
	Collected Time	10:41			03/08/23 14:26	
	pH	6.83	Std. Units		03/08/23 14:26	
EPA 6010D	Zinc	0.011J	mg/L	0.020	03/01/23 17:51	
EPA 6010D	Calcium	35.7	mg/L	1.0	03/01/23 17:51	
EPA 6010D	Manganese	0.0056J	mg/L	0.040	03/01/23 17:51	
EPA 6010D	Potassium	0.40J	mg/L	0.50	03/01/23 17:51	
EPA 6010D	Sodium	1.9	mg/L	1.0	03/01/23 17:51	
EPA 6010D	Magnesium	13.6	mg/L	0.050	03/01/23 17:51	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194005	BOW-GWA-42					
EPA 6020B	Barium	0.0061	mg/L	0.0050	03/02/23 21:38	
EPA 6020B	Beryllium	0.00015J	mg/L	0.00050	03/02/23 21:38	
EPA 6020B	Cobalt	0.00039J	mg/L	0.0050	03/02/23 21:38	
EPA 6020B	Nickel	0.0013J	mg/L	0.0050	03/02/23 21:38	
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	03/03/23 08:08	
SM 2540C-2015	Total Dissolved Solids	226	mg/L	25.0	02/17/23 14:06	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	02/21/23 16:09	
SM 2320B-2011	Alkalinity, Total as CaCO3	148	mg/L	5.0	02/21/23 16:09	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	02/17/23 11:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.056J	mg/L	0.10	02/17/23 11:41	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	02/17/23 11:41	
92652194006	BOW-GWA-43R					
	Performed by	Client			03/08/23 14:28	
	Collected By	Kevin Stephenson			03/08/23 14:28	
	Collected Date	02/13/23			03/08/23 14:28	
	Collected Time	16:14			03/08/23 14:28	
	pH	7.82	Std. Units		03/08/23 14:28	
EPA 6010D	Calcium	28.5	mg/L	1.0	03/01/23 17:56	
EPA 6010D	Iron	0.037J	mg/L	0.040	03/01/23 17:56	
EPA 6010D	Manganese	0.0083J	mg/L	0.040	03/01/23 17:56	
EPA 6010D	Potassium	0.49J	mg/L	0.50	03/01/23 17:56	
EPA 6010D	Sodium	1.0	mg/L	1.0	03/01/23 17:56	
EPA 6010D	Magnesium	15.2	mg/L	0.050	03/01/23 17:56	
EPA 6020B	Barium	0.0064	mg/L	0.0050	03/02/23 21:56	
SM 2540C-2015	Total Dissolved Solids	126	mg/L	25.0	02/17/23 14:07	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	138	mg/L	5.0	02/21/23 16:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	138	mg/L	5.0	02/21/23 16:19	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	02/17/23 11:55	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/17/23 11:55	
92652194007	BOW-LF9-10-FD-08					
EPA 6010D	Calcium	19.0	mg/L	1.0	03/01/23 18:01	
EPA 6010D	Potassium	0.95	mg/L	0.50	03/01/23 18:01	
EPA 6010D	Sodium	1.3	mg/L	1.0	03/01/23 18:01	
EPA 6010D	Magnesium	9.9	mg/L	0.050	03/01/23 18:01	
EPA 6020B	Barium	0.0072	mg/L	0.0050	03/02/23 22:02	
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	03/03/23 08:13	
SM 2540C-2015	Total Dissolved Solids	169	mg/L	25.0	02/17/23 14:07	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	98.0	mg/L	5.0	02/21/23 16:29	
SM 2320B-2011	Alkalinity, Total as CaCO3	98.0	mg/L	5.0	02/21/23 16:29	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/17/23 12:10	
EPA 300.0 Rev 2.1 1993	Fluoride	0.053J	mg/L	0.10	02/17/23 12:10	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/17/23 12:10	
92652194008	BOW-LF9-10-FB-13					
EPA 7470A	Mercury	0.00017J	mg/L	0.00020	03/03/23 08:16	
SM 2540C-2015	Total Dissolved Solids	52.9	mg/L	25.0	02/17/23 14:08	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194009	BOW-GWA-39RZ					
	Performed by	Client			03/08/23 14:32	
	Collected By	Kevin Stephenson			03/08/23 14:32	
	Collected Date	02/14/23			03/08/23 14:32	
	Collected Time	14:20			03/08/23 14:32	
	pH	7.48	Std. Units		03/08/23 14:32	
EPA 6010D	Calcium	31.4	mg/L	1.0	03/01/23 18:11	
EPA 6010D	Iron	0.035J	mg/L	0.040	03/01/23 18:11	
EPA 6010D	Potassium	1.0	mg/L	0.50	03/01/23 18:11	
EPA 6010D	Sodium	1.8	mg/L	1.0	03/01/23 18:11	
EPA 6010D	Magnesium	15.7	mg/L	0.050	03/01/23 18:11	
EPA 6020B	Antimony	0.0019J	mg/L	0.0030	03/02/23 22:13	
EPA 6020B	Barium	0.014	mg/L	0.0050	03/02/23 22:13	
SM 2540C-2015	Total Dissolved Solids	149	mg/L	25.0	02/20/23 12:35	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	155	mg/L	5.0	02/22/23 18:45	
SM 2320B-2011	Alkalinity, Total as CaCO3	155	mg/L	5.0	02/22/23 18:45	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/21/23 16:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.074J	mg/L	0.10	02/21/23 16:31	
EPA 300.0 Rev 2.1 1993	Sulfate	6.3	mg/L	1.0	02/21/23 16:31	
92652194010	BOW-GWA-43					
	Performed by	Client			03/08/23 14:34	
	Collected By	Kevin Stephenson			03/08/23 14:34	
	Collected Date	02/14/23			03/08/23 14:34	
	Collected Time	11:00			03/08/23 14:34	
	pH	5.24	Std. Units		03/08/23 14:34	
EPA 6010D	Calcium	2.2	mg/L	1.0	03/01/23 18:16	
EPA 6010D	Manganese	0.013J	mg/L	0.040	03/01/23 18:16	
EPA 6010D	Potassium	0.28J	mg/L	0.50	03/01/23 18:16	
EPA 6010D	Sodium	1.2	mg/L	1.0	03/01/23 18:16	
EPA 6010D	Magnesium	0.51	mg/L	0.050	03/01/23 18:16	
EPA 6020B	Barium	0.011	mg/L	0.0050	03/02/23 22:19	
EPA 6020B	Chromium	0.0016J	mg/L	0.0050	03/02/23 22:19	
SM 2540C-2015	Total Dissolved Solids	60.9	mg/L	25.0	02/20/23 12:37	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	7.4	mg/L	5.0	02/22/23 18:56	
SM 2320B-2011	Alkalinity, Total as CaCO3	7.4	mg/L	5.0	02/22/23 18:56	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	02/21/23 17:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	02/21/23 17:16	
92652194011	BOW-GWC-44					
	Performed by	Client			03/08/23 14:35	
	Collected By	Kevin Stephenson			03/08/23 14:35	
	Collected Date	02/14/23			03/08/23 14:35	
	Collected Time	14:10			03/08/23 14:35	
	pH	3.95	Std. Units		03/08/23 14:35	
EPA 6010D	Calcium	12.5	mg/L	1.0	03/01/23 18:20	
EPA 6010D	Manganese	0.052	mg/L	0.040	03/01/23 18:20	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194011	BOW-GWC-44					
EPA 6010D	Potassium	1.6	mg/L	0.50	03/01/23 18:20	
EPA 6010D	Sodium	2.5	mg/L	1.0	03/01/23 18:20	
EPA 6010D	Magnesium	2.2	mg/L	0.050	03/01/23 18:20	
EPA 6020B	Barium	0.042	mg/L	0.0050	03/02/23 22:25	
EPA 6020B	Beryllium	0.000062J	mg/L	0.00050	03/02/23 22:25	
EPA 6020B	Boron	0.014J	mg/L	0.040	03/02/23 22:25	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/02/23 22:25	
EPA 6020B	Cobalt	0.0014J	mg/L	0.0050	03/02/23 22:25	
EPA 6020B	Copper	0.0054	mg/L	0.0050	03/02/23 22:25	
EPA 6020B	Nickel	0.00073J	mg/L	0.0050	03/02/23 22:25	
SM 2540C-2015	Total Dissolved Solids	70.9	mg/L	25.0	02/20/23 12:37	
EPA 300.0 Rev 2.1 1993	Chloride	5.7	mg/L	1.0	02/21/23 17:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.075J	mg/L	0.10	02/21/23 17:31	
EPA 300.0 Rev 2.1 1993	Sulfate	33.8	mg/L	1.0	02/21/23 17:31	
92652194012	BOW-GWC-46R					
	Performed by	Client			03/08/23 14:36	
	Collected By	Kevin Stephenson			03/08/23 14:36	
	Collected Date	02/14/23			03/08/23 14:36	
	Collected Time	14:54			03/08/23 14:36	
	pH	7.49	Std. Units		03/08/23 14:36	
EPA 6010D	Calcium	41.1	mg/L	1.0	03/01/23 18:25	
EPA 6010D	Potassium	1.7	mg/L	0.50	03/01/23 18:25	
EPA 6010D	Sodium	12.4	mg/L	1.0	03/01/23 18:25	
EPA 6010D	Magnesium	21.6	mg/L	0.050	03/01/23 18:25	
EPA 6020B	Barium	0.011	mg/L	0.0050	03/02/23 22:31	
EPA 6020B	Chromium	0.0050J	mg/L	0.0050	03/02/23 22:31	
SM 2540C-2015	Total Dissolved Solids	199	mg/L	25.0	02/20/23 12:38	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	227	mg/L	5.0	02/23/23 10:58	
SM 2320B-2011	Alkalinity, Total as CaCO3	227	mg/L	5.0	02/23/23 10:58	
EPA 300.0 Rev 2.1 1993	Chloride	3.7	mg/L	1.0	02/21/23 19:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.091J	mg/L	0.10	02/21/23 19:48	
EPA 300.0 Rev 2.1 1993	Sulfate	4.7	mg/L	1.0	02/21/23 19:48	
92652194013	BOW-GWC-49R					
	Performed by	Client			03/08/23 14:37	
	Collected By	Kevin Stephenson			03/08/23 14:37	
	Collected Date	02/14/23			03/08/23 14:37	
	Collected Time	12:26			03/08/23 14:37	
	pH	7.75	Std. Units		03/08/23 14:37	
EPA 6010D	Calcium	24.3	mg/L	1.0	03/01/23 18:30	
EPA 6010D	Potassium	0.75	mg/L	0.50	03/01/23 18:30	
EPA 6010D	Sodium	1.5	mg/L	1.0	03/01/23 18:30	
EPA 6010D	Magnesium	12.2	mg/L	0.050	03/01/23 18:30	
EPA 6020B	Antimony	0.0037	mg/L	0.0030	03/02/23 22:37	
EPA 6020B	Barium	0.013	mg/L	0.0050	03/02/23 22:37	
SM 2540C-2015	Total Dissolved Solids	114	mg/L	25.0	02/20/23 12:38	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194013	BOW-GWC-49R					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	125	mg/L	5.0	02/22/23 19:23	
SM 2320B-2011	Alkalinity, Total as CaCO3	125	mg/L	5.0	02/22/23 19:23	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/21/23 20:03	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/21/23 20:03	
92652194014	BOW-GWC-49Z					
	Performed by	Client			03/08/23 14:38	
	Collected By	Kevin Stephenson			03/08/23 14:38	
	Collected Date	02/14/23			03/08/23 14:38	
	Collected Time	13:33			03/08/23 14:38	
	pH	5.15	Std. Units		03/08/23 14:38	
EPA 6010D	Calcium	0.65J	mg/L	1.0	03/01/23 18:35	
EPA 6010D	Iron	0.031J	mg/L	0.040	03/01/23 18:35	
EPA 6010D	Manganese	0.062	mg/L	0.040	03/01/23 18:35	
EPA 6010D	Potassium	0.48J	mg/L	0.50	03/01/23 18:35	
EPA 6010D	Sodium	2.4	mg/L	1.0	03/01/23 18:35	
EPA 6010D	Magnesium	0.29	mg/L	0.050	03/01/23 18:35	
EPA 6020B	Barium	0.0041J	mg/L	0.0050	03/02/23 22:43	
EPA 6020B	Cobalt	0.00096J	mg/L	0.0050	03/02/23 22:43	
EPA 6020B	Nickel	0.0018J	mg/L	0.0050	03/02/23 22:43	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/21/23 20:18	
EPA 300.0 Rev 2.1 1993	Sulfate	0.84J	mg/L	1.0	02/21/23 20:18	
92652194017	BOW-GWC-45					
	Performed by	Client			03/08/23 14:40	
	Collected By	Kevin Stephenson			03/08/23 14:40	
	Collected Date	02/15/23			03/08/23 14:40	
	Collected Time	11:15			03/08/23 14:40	
	pH	4.26	Std. Units		03/08/23 14:40	
EPA 6010D	Calcium	1.0	mg/L	1.0	03/01/23 18:59	
EPA 6010D	Manganese	0.028J	mg/L	0.040	03/01/23 18:59	
EPA 6010D	Potassium	0.38J	mg/L	0.50	03/01/23 18:59	
EPA 6010D	Sodium	1.6	mg/L	1.0	03/01/23 18:59	
EPA 6010D	Magnesium	0.60	mg/L	0.050	03/01/23 18:59	
EPA 6020B	Barium	0.0067	mg/L	0.0050	03/02/23 23:13	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	03/02/23 23:13	
EPA 6020B	Nickel	0.00092J	mg/L	0.0050	03/02/23 23:13	
SM 2540C-2015	Total Dissolved Solids	33.9	mg/L	25.0	02/20/23 12:40	
EPA 300.0 Rev 2.1 1993	Chloride	0.81J	mg/L	1.0	02/21/23 21:18	
92652194018	BOW-GWC-45R					
	Performed by	Client			03/08/23 14:41	
	Collected By	Kevin Stephenson			03/08/23 14:41	
	Collected Date	02/15/23			03/08/23 14:41	
	Collected Time	13:20			03/08/23 14:41	
	pH	6.71	Std. Units		03/08/23 14:41	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194018	BOW-GWC-45R					
EPA 6010D	Calcium	47.5	mg/L	1.0	03/01/23 19:04	
EPA 6010D	Iron	0.050	mg/L	0.040	03/01/23 19:04	
EPA 6010D	Potassium	0.95	mg/L	0.50	03/01/23 19:04	
EPA 6010D	Sodium	1.6	mg/L	1.0	03/01/23 19:04	
EPA 6010D	Magnesium	24.9	mg/L	0.050	03/01/23 19:04	
EPA 6020B	Barium	0.025	mg/L	0.0050	03/02/23 23:19	
EPA 6020B	Boron	0.012J	mg/L	0.040	03/02/23 23:19	
EPA 6020B	Chromium	0.0058	mg/L	0.0050	03/02/23 23:19	
EPA 6020B	Nickel	0.0040J	mg/L	0.0050	03/02/23 23:19	
SM 2540C-2015	Total Dissolved Solids	206	mg/L	25.0	02/20/23 12:41	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	198	mg/L	5.0	02/22/23 19:50	
SM 2320B-2011	Alkalinity, Total as CaCO3	198	mg/L	5.0	02/22/23 19:50	
EPA 300.0 Rev 2.1 1993	Chloride	5.3	mg/L	1.0	02/21/23 22:03	
EPA 300.0 Rev 2.1 1993	Sulfate	10.1	mg/L	1.0	02/21/23 22:03	
92652194019	BOW-GWC-47					
	Performed by	Client			03/08/23 14:42	
	Collected By	Kevin Stephenson			03/08/23 14:42	
	Collected Date	02/15/23			03/08/23 14:42	
	Collected Time	10:11			03/08/23 14:42	
	pH	7.20	Std. Units		03/08/23 14:42	
EPA 6010D	Zinc	0.050	mg/L	0.020	03/01/23 19:09	
EPA 6010D	Calcium	20.5	mg/L	1.0	03/01/23 19:09	
EPA 6010D	Manganese	0.0061J	mg/L	0.040	03/01/23 19:09	
EPA 6010D	Potassium	0.58	mg/L	0.50	03/01/23 19:09	
EPA 6010D	Sodium	3.3	mg/L	1.0	03/01/23 19:09	
EPA 6010D	Magnesium	11.0	mg/L	0.050	03/01/23 19:09	
EPA 6020B	Barium	0.0075	mg/L	0.0050	03/02/23 23:25	
EPA 6020B	Chromium	0.0018J	mg/L	0.0050	03/02/23 23:25	
EPA 6020B	Copper	0.0016J	mg/L	0.0050	03/02/23 23:25	
SM 2540C-2015	Total Dissolved Solids	111	mg/L	25.0	02/20/23 12:41	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	99.2	mg/L	5.0	02/22/23 20:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	99.2	mg/L	5.0	02/22/23 20:02	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/21/23 22:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	02/21/23 22:18	
EPA 300.0 Rev 2.1 1993	Sulfate	4.3	mg/L	1.0	02/21/23 22:18	
92652194020	BOW-GWC-47R					
	Performed by	Client			03/08/23 14:43	
	Collected By	Kevin Stephenson			03/08/23 14:43	
	Collected Date	02/15/23			03/08/23 14:43	
	Collected Time	11:54			03/08/23 14:43	
	pH	7.38	Std. Units		03/08/23 14:43	
EPA 6010D	Zinc	0.031	mg/L	0.020	03/01/23 19:14	
EPA 6010D	Calcium	31.6	mg/L	1.0	03/01/23 19:14	
EPA 6010D	Potassium	2.1	mg/L	0.50	03/01/23 19:14	
EPA 6010D	Sodium	3.8	mg/L	1.0	03/01/23 19:14	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194020	BOW-GWC-47R					
EPA 6010D	Magnesium	14.7	mg/L	0.050	03/01/23 19:14	
EPA 6020B	Antimony	0.0022J	mg/L	0.0030	03/02/23 23:31	
EPA 6020B	Barium	0.0072	mg/L	0.0050	03/02/23 23:31	
EPA 6020B	Chromium	0.0027J	mg/L	0.0050	03/02/23 23:31	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/03/23 09:26	
SM 2540C-2015	Total Dissolved Solids	151	mg/L	25.0	02/20/23 12:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	137	mg/L	5.0	02/22/23 20:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	137	mg/L	5.0	02/22/23 20:10	
EPA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	02/21/23 23:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.081J	mg/L	0.10	02/21/23 23:03	
EPA 300.0 Rev 2.1 1993	Sulfate	12.7	mg/L	1.0	02/21/23 23:03	
92652194021	BOW-GWC-48					
	Performed by	Client			03/08/23 14:44	
	Collected By	Kevin Stephenson			03/08/23 14:44	
	Collected Date	02/15/23			03/08/23 14:44	
	Collected Time	13:36			03/08/23 14:44	
	pH	4.75	Std. Units		03/08/23 14:44	
EPA 6010D	Zinc	0.011J	mg/L	0.020	03/01/23 22:37	
EPA 6010D	Calcium	3.0	mg/L	1.0	03/01/23 22:37	
EPA 6010D	Manganese	0.25	mg/L	0.040	03/01/23 22:37	
EPA 6010D	Potassium	0.43J	mg/L	0.50	03/01/23 22:37	
EPA 6010D	Sodium	3.9	mg/L	1.0	03/01/23 22:37	
EPA 6010D	Magnesium	1.1	mg/L	0.050	03/01/23 22:37	
EPA 6020B	Barium	0.040	mg/L	0.0050	03/03/23 15:50	
EPA 6020B	Beryllium	0.00038J	mg/L	0.00050	03/03/23 15:50	
EPA 6020B	Cadmium	0.00015J	mg/L	0.00050	03/03/23 15:50	
EPA 6020B	Chromium	0.0019J	mg/L	0.0050	03/03/23 15:50	
EPA 6020B	Cobalt	0.0025J	mg/L	0.0050	03/03/23 15:50	
EPA 6020B	Nickel	0.0058	mg/L	0.0050	03/03/23 15:50	
EPA 7470A	Mercury	0.00064	mg/L	0.00020	03/03/23 09:28	
SM 2540C-2015	Total Dissolved Solids	30.9	mg/L	25.0	02/20/23 12:43	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	7.5	mg/L	5.0	02/22/23 20:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	7.5	mg/L	5.0	02/22/23 20:30	
EPA 300.0 Rev 2.1 1993	Chloride	6.0	mg/L	1.0	02/21/23 23:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.058J	mg/L	0.10	02/21/23 23:18	
EPA 300.0 Rev 2.1 1993	Sulfate	3.0	mg/L	1.0	02/21/23 23:18	
92652194022	BOW-LF9-10-FD-09					
EPA 6010D	Zinc	0.050	mg/L	0.020	03/01/23 22:41	
EPA 6010D	Calcium	20.2	mg/L	1.0	03/01/23 22:41	
EPA 6010D	Iron	0.046	mg/L	0.040	03/01/23 22:41	
EPA 6010D	Manganese	0.0058J	mg/L	0.040	03/01/23 22:41	
EPA 6010D	Potassium	0.73	mg/L	0.50	03/01/23 22:41	
EPA 6010D	Sodium	3.2	mg/L	1.0	03/01/23 22:41	
EPA 6010D	Magnesium	10.8	mg/L	0.050	03/01/23 22:41	
EPA 6020B	Barium	0.0080	mg/L	0.0050	03/03/23 15:56	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92652194022	BOW-LF9-10-FD-09					
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/03/23 15:56	
SM 2540C-2015	Total Dissolved Solids	96.9	mg/L	25.0	02/20/23 12:43	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	98.8	mg/L	5.0	02/22/23 20:35	
SM 2320B-2011	Alkalinity, Total as CaCO3	98.8	mg/L	5.0	02/22/23 20:35	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/21/23 23:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	02/21/23 23:33	
EPA 300.0 Rev 2.1 1993	Sulfate	4.2	mg/L	1.0	02/21/23 23:33	
92652194023	BOW-LF9-10-FB-15					
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	03/03/23 16:20	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/03/23 09:34	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWA-39Z **Lab ID: 92652194001** Collected: 02/13/23 12:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:16		
Collected By	Kevin Stephens				1		03/08/23 14:16		
Collected Date	2/13/2023				1		03/08/23 14:16		
Collected Time	12:55				1		03/08/23 14:16		
pH	6.35	Std. Units			1		03/08/23 14:16		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 16:50	7440-66-6	
Calcium	12.8	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 16:50	7440-70-2	
Iron	0.030J	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 16:50	7439-89-6	
Manganese	0.0051J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 16:50	7439-96-5	
Potassium	1.3	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 16:50	7440-09-7	
Sodium	2.0	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 16:50	7440-23-5	
Magnesium	6.7	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 16:50	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.00087J	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 20:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 20:56	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 20:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 20:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 20:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 20:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 20:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 20:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 20:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 20:56	7439-92-1	
Nickel	0.00095J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 20:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 20:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 20:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 20:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 20:56	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:52	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	105	mg/L	25.0	25.0	1		02/17/23 14:05		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-39Z **Lab ID: 92652194001** Collected: 02/13/23 12:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	63.9	mg/L	5.0	5.0	1		02/21/23 13:14		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 13:14		
Alkalinity, Total as CaCO ₃	63.9	mg/L	5.0	5.0	1		02/21/23 13:14		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		02/17/23 10:43	16887-00-6	
Fluoride	0.064J	mg/L	0.10	0.050	1		02/17/23 10:43	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/17/23 10:43	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWA-40 **Lab ID: 92652194002** Collected: 02/13/23 14:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:22		
Collected By	Kevin Stephens				1		03/08/23 14:22		
Collected Date	02/13/23				1		03/08/23 14:22		
Collected Time	14:20				1		03/08/23 14:22		
pH	6.94	Std. Units			1		03/08/23 14:22		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 16:55	7440-66-6	
Calcium	18.4	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 16:55	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 16:55	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 16:55	7439-96-5	
Potassium	0.89	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 16:55	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 16:55	7440-23-5	
Magnesium	9.6	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 16:55	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 21:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 21:02	7440-38-2	
Barium	0.0075	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 21:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 21:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 21:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 21:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 21:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 21:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 21:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 21:02	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 21:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 21:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 21:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 21:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 21:02	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:55	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	259	mg/L	25.0	25.0	1		02/17/23 14:05		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-40 **Lab ID: 92652194002** Collected: 02/13/23 14:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	102	mg/L	5.0	5.0	1		02/21/23 13:21		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 13:21		
Alkalinity, Total as CaCO ₃	102	mg/L	5.0	5.0	1		02/21/23 13:21		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/17/23 10:58	16887-00-6	
Fluoride	0.054J	mg/L	0.10	0.050	1		02/17/23 10:58	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		02/17/23 10:58	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWA-41 **Lab ID: 92652194003** Collected: 02/13/23 15:00 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:23		
Collected By	Kevin Stephens				1		03/08/23 14:23		
Collected Date	02/13/23				1		03/08/23 14:23		
Collected Time	15:00				1		03/08/23 14:23		
pH	6.25	Std. Units			1		03/08/23 14:23		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 17:14	7440-66-6	
Calcium	26.9	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 17:14	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 17:14	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 17:14	7439-96-5	
Potassium	0.93	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 17:14	7440-09-7	
Sodium	0.93J	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 17:14	7440-23-5	
Magnesium	13.3	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 17:14	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 21:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 21:08	7440-38-2	
Barium	0.029	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 21:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 21:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 21:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 21:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 21:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 21:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 21:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 21:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 21:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 21:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 21:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 21:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 21:08	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00017J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:58	7439-97-6	
---------	-----------------	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	111	mg/L	25.0	25.0	1		02/17/23 14:06		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-41 **Lab ID: 92652194003** Collected: 02/13/23 15:00 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	119	mg/L	5.0	5.0	1		02/21/23 15:47		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 15:47		
Alkalinity, Total as CaCO ₃	119	mg/L	5.0	5.0	1		02/21/23 15:47		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		02/17/23 11:12	16887-00-6	
Fluoride	0.050J	mg/L	0.10	0.050	1		02/17/23 11:12	16984-48-8	
Sulfate	6.0	mg/L	1.0	0.50	1		02/17/23 11:12	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWA-41R **Lab ID: 92652194004** Collected: 02/13/23 12:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:25		
Collected By	Kevin Stephens				1		03/08/23 14:25		
Collected Date	02/13/23				1		03/08/23 14:25		
Collected Time	12:20				1		03/08/23 14:25		
pH	6.45	Std. Units			1		03/08/23 14:25		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 17:19	7440-66-6	
Calcium	38.6	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 17:19	7440-70-2	
Iron	0.14	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 17:19	7439-89-6	
Manganese	0.14	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 17:19	7439-96-5	
Potassium	2.0	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 17:19	7440-09-7	
Sodium	0.70J	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 17:19	7440-23-5	
Magnesium	19.3	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 17:19	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0045	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 21:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 21:32	7440-38-2	
Barium	0.028	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 21:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 21:32	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 21:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 21:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 21:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 21:32	7440-48-4	
Copper	0.0012J	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 21:32	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 21:32	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 21:32	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 21:32	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 21:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 21:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 21:32	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:05	7439-97-6	
---------	-----------------	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	163	mg/L	25.0	25.0	1		02/17/23 14:06		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-41R **Lab ID: 92652194004** Collected: 02/13/23 12:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	188	mg/L	5.0	5.0	1		02/21/23 15:57		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 15:57		
Alkalinity, Total as CaCO ₃	188	mg/L	5.0	5.0	1		02/21/23 15:57		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		02/17/23 11:26	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/17/23 11:26	16984-48-8	
Sulfate	10.2	mg/L	1.0	0.50	1		02/17/23 11:26	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-GWA-42									
Lab ID: 92652194005									
Collected: 02/13/23 10:41									
Received: 02/14/23 11:58									
Matrix: Water									
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 14:26		
Collected By	Kevin Stephens				1		03/08/23 14:26		
Collected Date	02/13/23				1		03/08/23 14:26		
Collected Time	10:41				1		03/08/23 14:26		
pH	6.83	Std. Units			1		03/08/23 14:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.011J	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 17:51	7440-66-6	
Calcium	35.7	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 17:51	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 17:51	7439-89-6	
Manganese	0.0056J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 17:51	7439-96-5	
Potassium	0.40J	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 17:51	7440-09-7	
Sodium	1.9	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 17:51	7440-23-5	
Magnesium	13.6	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 17:51	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 21:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 21:38	7440-38-2	
Barium	0.0061	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 21:38	7440-39-3	
Beryllium	0.00015J	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 21:38	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 21:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 21:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 21:38	7440-47-3	
Cobalt	0.00039J	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 21:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 21:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 21:38	7439-92-1	
Nickel	0.0013J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 21:38	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 21:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 21:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 21:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 21:38	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00014J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:08	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	226	mg/L	25.0	25.0	1		02/17/23 14:06		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-42 **Lab ID: 92652194005** Collected: 02/13/23 10:41 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity, Bicarbonate (CaCO ₃)	148	mg/L	5.0	5.0	1		02/21/23 16:09		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 16:09		
Alkalinity, Total as CaCO ₃	148	mg/L	5.0	5.0	1		02/21/23 16:09		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	2.4	mg/L	1.0	0.60	1		02/17/23 11:41	16887-00-6	
Fluoride	0.056J	mg/L	0.10	0.050	1		02/17/23 11:41	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		02/17/23 11:41	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWA-43R **Lab ID: 92652194006** Collected: 02/13/23 16:14 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:28		
Collected By	Kevin Stephens				1		03/08/23 14:28		
Collected Date	02/13/23				1		03/08/23 14:28		
Collected Time	16:14				1		03/08/23 14:28		
pH	7.82	Std. Units			1		03/08/23 14:28		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 17:56	7440-66-6	
Calcium	28.5	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 17:56	7440-70-2	
Iron	0.037J	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 17:56	7439-89-6	
Manganese	0.0083J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 17:56	7439-96-5	
Potassium	0.49J	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 17:56	7440-09-7	
Sodium	1.0	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 17:56	7440-23-5	
Magnesium	15.2	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 17:56	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 21:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 21:56	7440-38-2	
Barium	0.0064	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 21:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 21:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 21:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 21:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 21:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 21:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 21:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 21:56	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 21:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 21:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 21:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 21:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 21:56	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:11	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	126	mg/L	25.0	25.0	1		02/17/23 14:07		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-43R **Lab ID: 92652194006** Collected: 02/13/23 16:14 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	138	mg/L	5.0	5.0	1		02/21/23 16:19		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/21/23 16:19		
Alkalinity, Total as CaCO ₃	138	mg/L	5.0	5.0	1		02/21/23 16:19		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.8	mg/L	1.0	0.60	1		02/17/23 11:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/17/23 11:55	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/17/23 11:55	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-LF9-10-FD-08 Lab ID: 92652194007 Collected: 02/13/23 00:00 Received: 02/14/23 11:58 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:01	7440-66-6	
Calcium	19.0	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:01	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:01	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:01	7439-96-5	
Potassium	0.95	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:01	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:01	7440-23-5	
Magnesium	9.9	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:01	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:02	7440-38-2	
Barium	0.0072	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:02	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:02	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00014J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:13	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	169	mg/L	25.0	25.0	1		02/17/23 14:07		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	98.0	mg/L	5.0	5.0	1		02/21/23 16:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 16:29		
Alkalinity, Total as CaCO3	98.0	mg/L	5.0	5.0	1		02/21/23 16:29		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/17/23 12:10	16887-00-6	
Fluoride	0.053J	mg/L	0.10	0.050	1		02/17/23 12:10	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-FD-08 Lab ID: 92652194007 Collected: 02/13/23 00:00 Received: 02/14/23 11:58 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.4	mg/L	1.0	0.50	1		02/17/23 12:10	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-13 **Lab ID: 92652194008** Collected: 02/13/23 15:50 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:06	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:06	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:06	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:06	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:06	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:06	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:06	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:08	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:08	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00017J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:16	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	52.9	mg/L	25.0	25.0	1		02/17/23 14:08		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 16:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 16:38		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/21/23 16:38		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/17/23 13:22	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/17/23 13:22	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-13 **Lab ID: 92652194008** Collected: 02/13/23 15:50 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	-----------------	-----	----	----------	----------	---------	------

300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Sulfate	ND	mg/L	1.0	0.50	1		02/17/23 13:22	14808-79-8	
---------	----	------	-----	------	---	--	----------------	------------	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWA-39RZ **Lab ID: 92652194009** Collected: 02/14/23 14:20 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:32		
Collected By	Kevin Stephens				1		03/08/23 14:32		
Collected Date	02/14/23				1		03/08/23 14:32		
Collected Time	14:20				1		03/08/23 14:32		
pH	7.48	Std. Units			1		03/08/23 14:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:11	7440-66-6	
Calcium	31.4	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:11	7440-70-2	
Iron	0.035J	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:11	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:11	7439-96-5	
Potassium	1.0	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:11	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:11	7440-23-5	
Magnesium	15.7	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:11	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0019J	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:13	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:13	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:13	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:52	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	149	mg/L	25.0	25.0	1		02/20/23 12:35		D6
------------------------	------------	------	------	------	---	--	----------------	--	----

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-39Z **Lab ID: 92652194009** Collected: 02/14/23 14:20 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity, Bicarbonate (CaCO ₃)	155	mg/L	5.0	5.0	1		02/22/23 18:45		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 18:45		
Alkalinity, Total as CaCO ₃	155	mg/L	5.0	5.0	1		02/22/23 18:45		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	1.6	mg/L	1.0	0.60	1		02/21/23 16:31	16887-00-6	
Fluoride	0.074J	mg/L	0.10	0.050	1		02/21/23 16:31	16984-48-8	
Sulfate	6.3	mg/L	1.0	0.50	1		02/21/23 16:31	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWA-43 **Lab ID: 92652194010** Collected: 02/14/23 11:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:34		
Collected By	Kevin Stephens				1		03/08/23 14:34		
Collected Date	02/14/23				1		03/08/23 14:34		
Collected Time	11:00				1		03/08/23 14:34		
pH	5.24	Std. Units			1		03/08/23 14:34		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:16	7440-66-6	
Calcium	2.2	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:16	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:16	7439-89-6	
Manganese	0.013J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:16	7439-96-5	
Potassium	0.28J	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:16	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:16	7440-23-5	
Magnesium	0.51	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:16	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:19	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:19	7440-43-9	
Chromium	0.0016J	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:19	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:19	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:54	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	60.9	mg/L	25.0	25.0	1		02/20/23 12:37		
------------------------	-------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-43 **Lab ID: 92652194010** Collected: 02/14/23 11:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	7.4	mg/L	5.0	5.0	1		02/22/23 18:56		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 18:56		
Alkalinity, Total as CaCO ₃	7.4	mg/L	5.0	5.0	1		02/22/23 18:56		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		02/21/23 17:16	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		02/21/23 17:16	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 17:16	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWC-44	Lab ID: 92652194011	Collected: 02/14/23 14:10	Received: 02/17/23 12:15	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 14:35		
Collected By	Kevin Stephens				1		03/08/23 14:35		
Collected Date	02/14/23				1		03/08/23 14:35		
Collected Time	14:10				1		03/08/23 14:35		
pH	3.95	Std. Units			1		03/08/23 14:35		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:20	7440-66-6	
Calcium	12.5	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:20	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:20	7439-89-6	
Manganese	0.052	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:20	7439-96-5	
Potassium	1.6	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:20	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:20	7440-23-5	
Magnesium	2.2	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:20	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:25	7440-38-2	
Barium	0.042	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:25	7440-39-3	
Beryllium	0.00062J	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:25	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:25	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:25	7440-47-3	
Cobalt	0.0014J	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:25	7440-48-4	
Copper	0.0054	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:25	7439-92-1	
Nickel	0.00073J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:57	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	70.9	mg/L	25.0	25.0	1		02/20/23 12:37		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-44 **Lab ID: 92652194011** Collected: 02/14/23 14:10 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 19:11		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 19:11		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/22/23 19:11		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.7	mg/L	1.0	0.60	1		02/21/23 17:31	16887-00-6	
Fluoride	0.075J	mg/L	0.10	0.050	1		02/21/23 17:31	16984-48-8	
Sulfate	33.8	mg/L	1.0	0.50	1		02/21/23 17:31	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-46R **Lab ID: 92652194012** Collected: 02/14/23 14:54 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:36		
Collected By	Kevin Stephens				1		03/08/23 14:36		
Collected Date	02/14/23				1		03/08/23 14:36		
Collected Time	14:54				1		03/08/23 14:36		
pH	7.49	Std. Units			1		03/08/23 14:36		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:25	7440-66-6	
Calcium	41.1	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:25	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:25	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:25	7439-96-5	
Potassium	1.7	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:25	7440-09-7	
Sodium	12.4	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:25	7440-23-5	
Magnesium	21.6	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:25	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:31	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:31	7440-43-9	
Chromium	0.0050J	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:31	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:00	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	199	mg/L	25.0	25.0	1		02/20/23 12:38		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-46R **Lab ID: 92652194012** Collected: 02/14/23 14:54 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	227	mg/L	5.0	5.0	1		02/23/23 10:58		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 10:58		
Alkalinity, Total as CaCO ₃	227	mg/L	5.0	5.0	1		02/23/23 10:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.7	mg/L	1.0	0.60	1		02/21/23 19:48	16887-00-6	
Fluoride	0.091J	mg/L	0.10	0.050	1		02/21/23 19:48	16984-48-8	
Sulfate	4.7	mg/L	1.0	0.50	1		02/21/23 19:48	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWC-49R **Lab ID: 92652194013** Collected: 02/14/23 12:26 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:37		
Collected By	Kevin Stephens				1		03/08/23 14:37		
Collected Date	02/14/23				1		03/08/23 14:37		
Collected Time	12:26				1		03/08/23 14:37		
pH	7.75	Std. Units			1		03/08/23 14:37		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:30	7440-66-6	
Calcium	24.3	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:30	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:30	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:30	7439-96-5	
Potassium	0.75	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:30	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:30	7440-23-5	
Magnesium	12.2	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:30	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0037	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:37	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:37	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:37	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:02	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	114	mg/L	25.0	25.0	1		02/20/23 12:38		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-49R **Lab ID: 92652194013** Collected: 02/14/23 12:26 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	125	mg/L	5.0	5.0	1		02/22/23 19:23		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 19:23		
Alkalinity, Total as CaCO ₃	125	mg/L	5.0	5.0	1		02/22/23 19:23		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/21/23 20:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 20:03	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		02/21/23 20:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWC-49Z **Lab ID: 92652194014** Collected: 02/14/23 13:33 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:38		
Collected By	Kevin Stephens				1		03/08/23 14:38		
Collected Date	02/14/23				1		03/08/23 14:38		
Collected Time	13:33				1		03/08/23 14:38		
pH	5.15	Std. Units			1		03/08/23 14:38		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:35	7440-66-6	
Calcium	0.65J	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:35	7440-70-2	
Iron	0.031J	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:35	7439-89-6	
Manganese	0.062	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:35	7439-96-5	
Potassium	0.48J	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:35	7440-09-7	
Sodium	2.4	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:35	7440-23-5	
Magnesium	0.29	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:35	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:43	7440-38-2	
Barium	0.0041J	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:43	7440-47-3	
Cobalt	0.00096J	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:43	7439-92-1	
Nickel	0.0018J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:43	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:10	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/23 12:39		
------------------------	----	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-49Z **Lab ID: 92652194014** Collected: 02/14/23 13:33 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 19:32		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 19:32		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/22/23 19:32		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/21/23 20:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 20:18	16984-48-8	
Sulfate	0.84J	mg/L	1.0	0.50	1		02/21/23 20:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-14 **Lab ID: 92652194015** Collected: 02/14/23 15:18 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:49	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:49	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:49	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:49	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:49	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:49	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:49	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:49	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:49	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:49	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:13	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/23 12:39		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:37		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/22/23 19:37		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/21/23 20:33	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 20:33	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-14 **Lab ID: 92652194015** Collected: 02/14/23 15:18 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 20:33	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-LF9-10-EB-5 **Lab ID: 92652194016** Collected: 02/14/23 15:40 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:54	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:54	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:54	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:54	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:54	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:54	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:54	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 23:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 23:07	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 23:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 23:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 23:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 23:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 23:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 23:07	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 23:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 23:07	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 23:07	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 23:07	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 23:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 23:07	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 23:07	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:15	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/23 12:40		
------------------------	----	------	------	------	---	--	----------------	--	--

2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:41		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:41		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/22/23 19:41		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	ND	mg/L	1.0	0.60	1		02/21/23 21:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 21:03	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-EB-5 **Lab ID: 92652194016** Collected: 02/14/23 15:40 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 21:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWC-45 **Lab ID: 92652194017** Collected: 02/14/23 11:15 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:40		
Collected By	Kevin Stephens				1		03/08/23 14:40		
Collected Date	02/15/23				1		03/08/23 14:40		
Collected Time	11:15				1		03/08/23 14:40		
pH	4.26	Std. Units			1		03/08/23 14:40		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:59	7440-66-6	
Calcium	1.0	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:59	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:59	7439-89-6	
Manganese	0.028J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:59	7439-96-5	
Potassium	0.38J	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:59	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:59	7440-23-5	
Magnesium	0.60	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:59	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 23:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 23:13	7440-38-2	
Barium	0.0067	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 23:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 23:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 23:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 23:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 23:13	7440-47-3	
Cobalt	0.0012J	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 23:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 23:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 23:13	7439-92-1	
Nickel	0.00092J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 23:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 23:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 23:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 23:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 23:13	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:18	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	33.9	mg/L	25.0	25.0	1		02/20/23 12:40		
------------------------	-------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-45 **Lab ID: 92652194017** Collected: 02/14/23 11:15 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 19:45		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 19:45		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/22/23 19:45		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	0.81J	mg/L	1.0	0.60	1		02/21/23 21:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 21:18	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 21:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-GWC-45R **Lab ID: 92652194018** Collected: 02/14/23 13:20 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:41		
Collected By	Kevin Stephens				1		03/08/23 14:41		
Collected Date	02/15/23				1		03/08/23 14:41		
Collected Time	13:20				1		03/08/23 14:41		
pH	6.71	Std. Units			1		03/08/23 14:41		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 19:04	7440-66-6	
Calcium	47.5	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 19:04	7440-70-2	
Iron	0.050	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 19:04	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 19:04	7439-96-5	
Potassium	0.95	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 19:04	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 19:04	7440-23-5	
Magnesium	24.9	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 19:04	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 23:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 23:19	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 23:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 23:19	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 23:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 23:19	7440-43-9	
Chromium	0.0058	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 23:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 23:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 23:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 23:19	7439-92-1	
Nickel	0.0040J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 23:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 23:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 23:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 23:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 23:19	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:21	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	206	mg/L	25.0	25.0	1		02/20/23 12:41		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-45R **Lab ID: 92652194018** Collected: 02/14/23 13:20 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	198	mg/L	5.0	5.0	1		02/22/23 19:50		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 19:50		
Alkalinity, Total as CaCO ₃	198	mg/L	5.0	5.0	1		02/22/23 19:50		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.3	mg/L	1.0	0.60	1		02/21/23 22:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 22:03	16984-48-8	
Sulfate	10.1	mg/L	1.0	0.50	1		02/21/23 22:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-GWC-47									
Lab ID: 92652194019									
Collected: 02/14/23 10:11									
Received: 02/17/23 12:15									
Matrix: Water									
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 14:42		
Collected By	Kevin Stephens				1		03/08/23 14:42		
Collected Date	02/15/23				1		03/08/23 14:42		
Collected Time	10:11				1		03/08/23 14:42		
pH	7.20	Std. Units			1		03/08/23 14:42		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.050	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 19:09	7440-66-6	
Calcium	20.5	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 19:09	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 19:09	7439-89-6	
Manganese	0.0061J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 19:09	7439-96-5	
Potassium	0.58	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 19:09	7440-09-7	
Sodium	3.3	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 19:09	7440-23-5	
Magnesium	11.0	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 19:09	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 23:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 23:25	7440-38-2	
Barium	0.0075	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 23:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 23:25	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 23:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 23:25	7440-43-9	
Chromium	0.0018J	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 23:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 23:25	7440-48-4	
Copper	0.0016J	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 23:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 23:25	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 23:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 23:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 23:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 23:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 23:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:23	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	111	mg/L	25.0	25.0	1		02/20/23 12:41		D6

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-47 **Lab ID: 92652194019** Collected: 02/14/23 10:11 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	99.2	mg/L	5.0	5.0	1		02/22/23 20:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 20:02		
Alkalinity, Total as CaCO3	99.2	mg/L	5.0	5.0	1		02/22/23 20:02		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	2.0	mg/L	1.0	0.60	1		02/21/23 22:18	16887-00-6	
Fluoride	0.064J	mg/L	0.10	0.050	1		02/21/23 22:18	16984-48-8	
Sulfate	4.3	mg/L	1.0	0.50	1		02/21/23 22:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-GWC-47R									
Lab ID: 92652194020									
Collected: 02/14/23 11:54									
Received: 02/17/23 12:15									
Matrix: Water									
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 14:43		
Collected By	Kevin Stephens				1		03/08/23 14:43		
Collected Date	02/15/23				1		03/08/23 14:43		
Collected Time	11:54				1		03/08/23 14:43		
pH	7.38	Std. Units			1		03/08/23 14:43		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.031	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 19:14	7440-66-6	
Calcium	31.6	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 19:14	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 19:14	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 19:14	7439-96-5	
Potassium	2.1	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 19:14	7440-09-7	
Sodium	3.8	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 19:14	7440-23-5	
Magnesium	14.7	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 19:14	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0022J	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 23:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 23:31	7440-38-2	
Barium	0.0072	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 23:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 23:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 23:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 23:31	7440-43-9	
Chromium	0.0027J	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 23:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 23:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 23:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 23:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 23:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 23:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 23:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 23:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 23:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:26	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	151	mg/L	25.0	25.0	1		02/20/23 12:42		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-47R **Lab ID: 92652194020** Collected: 02/14/23 11:54 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	137	mg/L	5.0	5.0	1		02/22/23 20:10		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 20:10		
Alkalinity, Total as CaCO ₃	137	mg/L	5.0	5.0	1		02/22/23 20:10		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.8	mg/L	1.0	0.60	1		02/21/23 23:03	16887-00-6	
Fluoride	0.081J	mg/L	0.10	0.050	1		02/21/23 23:03	16984-48-8	
Sulfate	12.7	mg/L	1.0	0.50	1		02/21/23 23:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-48 **Lab ID: 92652194021** Collected: 02/14/23 13:36 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:44		
Collected By	Kevin Stephens				1		03/08/23 14:44		
Collected Date	02/15/23				1		03/08/23 14:44		
Collected Time	13:36				1		03/08/23 14:44		
pH	4.75	Std. Units			1		03/08/23 14:44		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.011J	mg/L	0.020	0.0085	1	03/01/23 13:33	03/01/23 22:37	7440-66-6	
Calcium	3.0	mg/L	1.0	0.12	1	03/01/23 13:33	03/01/23 22:37	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 13:33	03/01/23 22:37	7439-89-6	
Manganese	0.25	mg/L	0.040	0.0043	1	03/01/23 13:33	03/01/23 22:37	7439-96-5	
Potassium	0.43J	mg/L	0.50	0.15	1	03/01/23 13:33	03/01/23 22:37	7440-09-7	
Sodium	3.9	mg/L	1.0	0.58	1	03/01/23 13:33	03/01/23 22:37	7440-23-5	
Magnesium	1.1	mg/L	0.050	0.012	1	03/01/23 13:33	03/01/23 22:37	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 13:15	03/03/23 15:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 13:15	03/03/23 15:50	7440-38-2	
Barium	0.040	mg/L	0.0050	0.00067	1	03/01/23 13:15	03/03/23 15:50	7440-39-3	
Beryllium	0.00038J	mg/L	0.00050	0.000054	1	03/01/23 13:15	03/03/23 15:50	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 13:15	03/03/23 15:50	7440-42-8	
Cadmium	0.00015J	mg/L	0.00050	0.00011	1	03/01/23 13:15	03/03/23 15:50	7440-43-9	
Chromium	0.0019J	mg/L	0.0050	0.0011	1	03/01/23 13:15	03/03/23 15:50	7440-47-3	
Cobalt	0.0025J	mg/L	0.0050	0.00039	1	03/01/23 13:15	03/03/23 15:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 13:15	03/03/23 15:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 13:15	03/03/23 15:50	7439-92-1	
Nickel	0.0058	mg/L	0.0050	0.00071	1	03/01/23 13:15	03/03/23 15:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 13:15	03/03/23 15:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 13:15	03/03/23 15:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 13:15	03/03/23 15:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 13:15	03/03/23 15:50	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00064	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:28	7439-97-6	
---------	----------------	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	30.9	mg/L	25.0	25.0	1		02/20/23 12:43		
------------------------	-------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-48 **Lab ID: 92652194021** Collected: 02/14/23 13:36 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	7.5	mg/L	5.0	5.0	1		02/22/23 20:30		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 20:30		
Alkalinity, Total as CaCO ₃	7.5	mg/L	5.0	5.0	1		02/22/23 20:30		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	6.0	mg/L	1.0	0.60	1		02/21/23 23:18	16887-00-6	
Fluoride	0.058J	mg/L	0.10	0.050	1		02/21/23 23:18	16984-48-8	
Sulfate	3.0	mg/L	1.0	0.50	1		02/21/23 23:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-LF9-10-FD-09 Lab ID: 92652194022 Collected: 02/14/23 00:00 Received: 02/17/23 12:15 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.050	mg/L	0.020	0.0085	1	03/01/23 13:33	03/01/23 22:41	7440-66-6	
Calcium	20.2	mg/L	1.0	0.12	1	03/01/23 13:33	03/01/23 22:41	7440-70-2	
Iron	0.046	mg/L	0.040	0.025	1	03/01/23 13:33	03/01/23 22:41	7439-89-6	
Manganese	0.0058J	mg/L	0.040	0.0043	1	03/01/23 13:33	03/01/23 22:41	7439-96-5	
Potassium	0.73	mg/L	0.50	0.15	1	03/01/23 13:33	03/01/23 22:41	7440-09-7	
Sodium	3.2	mg/L	1.0	0.58	1	03/01/23 13:33	03/01/23 22:41	7440-23-5	
Magnesium	10.8	mg/L	0.050	0.012	1	03/01/23 13:33	03/01/23 22:41	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 13:15	03/03/23 15:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 13:15	03/03/23 15:56	7440-38-2	
Barium	0.0080	mg/L	0.0050	0.00067	1	03/01/23 13:15	03/03/23 15:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 13:15	03/03/23 15:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 13:15	03/03/23 15:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 13:15	03/03/23 15:56	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	03/01/23 13:15	03/03/23 15:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 13:15	03/03/23 15:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 13:15	03/03/23 15:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 13:15	03/03/23 15:56	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 13:15	03/03/23 15:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 13:15	03/03/23 15:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 13:15	03/03/23 15:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 13:15	03/03/23 15:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 13:15	03/03/23 15:56	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	96.9	mg/L	25.0	25.0	1		02/20/23 12:43		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	98.8	mg/L	5.0	5.0	1		02/22/23 20:35		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 20:35		
Alkalinity, Total as CaCO ₃	98.8	mg/L	5.0	5.0	1		02/22/23 20:35		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/21/23 23:33	16887-00-6	
Fluoride	0.068J	mg/L	0.10	0.050	1		02/21/23 23:33	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-FD-09 Lab ID: 92652194022 Collected: 02/14/23 00:00 Received: 02/17/23 12:15 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	4.2	mg/L	1.0	0.50	1		02/21/23 23:33	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-15 Lab ID: 92652194023 Collected: 02/14/23 15:38 Received: 02/17/23 12:15 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 13:33	03/01/23 22:46	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 13:33	03/01/23 22:46	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 13:33	03/01/23 22:46	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 13:33	03/01/23 22:46	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 13:33	03/01/23 22:46	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 13:33	03/01/23 22:46	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 13:33	03/01/23 22:46	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0013J	mg/L	0.0030	0.00078	1	03/01/23 13:15	03/03/23 16:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 13:15	03/03/23 16:20	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 13:15	03/03/23 16:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 13:15	03/03/23 16:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 13:15	03/03/23 16:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 13:15	03/03/23 16:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 13:15	03/03/23 16:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 13:15	03/03/23 16:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 13:15	03/03/23 16:20	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 13:15	03/03/23 16:20	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 13:15	03/03/23 16:20	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 13:15	03/03/23 16:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 13:15	03/03/23 16:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 13:15	03/03/23 16:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 13:15	03/03/23 16:20	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:34	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/23 12:44		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 20:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 20:59		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/22/23 20:59		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/21/23 23:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 23:48	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-15 **Lab ID: 92652194023** Collected: 02/14/23 15:38 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 23:48	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch: 758701 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008, 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020

METHOD BLANK: 3940745 Matrix: Water
Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008, 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/01/23 16:41	
Iron	mg/L	ND	0.040	0.025	03/01/23 16:41	
Magnesium	mg/L	ND	0.050	0.012	03/01/23 16:41	
Manganese	mg/L	ND	0.040	0.0043	03/01/23 16:41	
Potassium	mg/L	ND	0.50	0.15	03/01/23 16:41	
Sodium	mg/L	ND	1.0	0.58	03/01/23 16:41	
Zinc	mg/L	ND	0.020	0.0085	03/01/23 16:41	

LABORATORY CONTROL SAMPLE: 3940746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.97J	97	80-120	
Iron	mg/L	1	0.96	96	80-120	
Magnesium	mg/L	1	0.96	96	80-120	
Manganese	mg/L	1	0.95	95	80-120	
Potassium	mg/L	1	0.93	93	80-120	
Sodium	mg/L	1	0.96J	96	80-120	
Zinc	mg/L	1	0.95	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3940747 3940748

Parameter	Units	92652194002 Result	MS Spike Conc.	MSD Spike Conc.	3940747		3940748		% Rec Limits	RPD	Max RPD	Qual
					MS Result	MSD Result	MS % Rec	MSD % Rec				
Calcium	mg/L	18.4	1	1	19.2	19.4	79	98	75-125	1	20	
Iron	mg/L	ND	1	1	0.97	0.98	96	98	75-125	2	20	
Magnesium	mg/L	9.6	1	1	10.6	10.6	93	97	75-125	0	20	
Manganese	mg/L	ND	1	1	0.96	0.96	96	96	75-125	0	20	
Potassium	mg/L	0.89	1	1	1.8	1.9	93	99	75-125	3	20	
Sodium	mg/L	1.2	1	1	2.2	2.2	99	100	75-125	0	20	
Zinc	mg/L	ND	1	1	0.96	0.96	96	96	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch: 758785 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652194021, 92652194022, 92652194023

METHOD BLANK: 3941289 Matrix: Water
 Associated Lab Samples: 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/01/23 22:08	
Iron	mg/L	ND	0.040	0.025	03/01/23 22:08	
Magnesium	mg/L	ND	0.050	0.012	03/01/23 22:08	
Manganese	mg/L	ND	0.040	0.0043	03/01/23 22:08	
Potassium	mg/L	ND	0.50	0.15	03/01/23 22:08	
Sodium	mg/L	ND	1.0	0.58	03/01/23 22:08	
Zinc	mg/L	ND	0.020	0.0085	03/01/23 22:08	

LABORATORY CONTROL SAMPLE: 3941290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.99J	99	80-120	
Iron	mg/L	1	0.98	98	80-120	
Magnesium	mg/L	1	0.99	99	80-120	
Manganese	mg/L	1	0.99	99	80-120	
Potassium	mg/L	1	1.1	113	80-120	
Sodium	mg/L	1	1.0	102	80-120	
Zinc	mg/L	1	0.99	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941291 3941292

Parameter	Units	92652734021		3941292		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Calcium	mg/L	92.2	1	1	98.2	96.2	607	405	75-125	2	20	M1	
Iron	mg/L	ND	1	1	1.0	1.1	103	104	75-125	1	20		
Magnesium	mg/L	4.8	1	1	6.0	6.0	126	120	75-125	1	20		
Manganese	mg/L	0.039J	1	1	1.1	1.1	101	102	75-125	1	20		
Potassium	mg/L	2.4	1	1	3.5	3.6	113	124	75-125	3	20		
Sodium	mg/L	4.5	1	1	5.8	5.7	128	114	75-125	2	20		
Zinc	mg/L	ND	1	1	1.0	1.0	100	103	75-125	2	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch: 758699 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008, 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020

METHOD BLANK: 3940733 Matrix: Water
Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008, 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/02/23 20:44	
Arsenic	mg/L	ND	0.0050	0.0022	03/02/23 20:44	
Barium	mg/L	ND	0.0050	0.00067	03/02/23 20:44	
Beryllium	mg/L	ND	0.00050	0.000054	03/02/23 20:44	
Boron	mg/L	ND	0.040	0.0086	03/02/23 20:44	
Cadmium	mg/L	ND	0.00050	0.00011	03/02/23 20:44	
Chromium	mg/L	ND	0.0050	0.0011	03/02/23 20:44	
Cobalt	mg/L	ND	0.0050	0.00039	03/02/23 20:44	
Copper	mg/L	ND	0.0050	0.0010	03/02/23 20:44	
Lead	mg/L	ND	0.0010	0.00089	03/02/23 20:44	
Nickel	mg/L	ND	0.0050	0.00071	03/02/23 20:44	
Selenium	mg/L	ND	0.0050	0.0014	03/02/23 20:44	
Silver	mg/L	ND	0.0050	0.00044	03/02/23 20:44	
Thallium	mg/L	ND	0.0010	0.00018	03/02/23 20:44	
Vanadium	mg/L	ND	0.010	0.0019	03/02/23 20:44	

LABORATORY CONTROL SAMPLE: 3940734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	109	80-120	
Arsenic	mg/L	0.1	0.092	92	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.093	93	80-120	
Boron	mg/L	1	0.92	92	80-120	
Cadmium	mg/L	0.1	0.093	93	80-120	
Chromium	mg/L	0.1	0.090	90	80-120	
Cobalt	mg/L	0.1	0.090	90	80-120	
Copper	mg/L	0.1	0.092	92	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Nickel	mg/L	0.1	0.089	89	80-120	
Selenium	mg/L	0.1	0.095	95	80-120	
Silver	mg/L	0.1	0.094	94	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.091	91	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Parameter	Units	3940735		3940736		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652194003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	111	75-125	3	20
Arsenic	mg/L	ND	0.1	0.1	0.095	0.099	95	99	75-125	4	20
Barium	mg/L	0.029	0.1	0.1	0.12	0.13	93	97	75-125	3	20
Beryllium	mg/L	ND	0.1	0.1	0.093	0.098	93	98	75-125	4	20
Boron	mg/L	ND	1	1	0.93	0.98	92	97	75-125	6	20
Cadmium	mg/L	ND	0.1	0.1	0.093	0.098	93	98	75-125	5	20
Chromium	mg/L	ND	0.1	0.1	0.088	0.095	88	95	75-125	7	20
Cobalt	mg/L	ND	0.1	0.1	0.087	0.093	87	93	75-125	6	20
Copper	mg/L	ND	0.1	0.1	0.090	0.095	90	94	75-125	5	20
Lead	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	2	20
Nickel	mg/L	ND	0.1	0.1	0.089	0.093	89	93	75-125	5	20
Selenium	mg/L	ND	0.1	0.1	0.094	0.099	94	99	75-125	4	20
Silver	mg/L	ND	0.1	0.1	0.090	0.092	90	92	75-125	3	20
Thallium	mg/L	ND	0.1	0.1	0.092	0.096	92	96	75-125	4	20
Vanadium	mg/L	ND	0.1	0.1	0.091	0.096	91	96	75-125	5	20

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch: 758787 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92652194021, 92652194022, 92652194023

METHOD BLANK: 3941296 Matrix: Water
Associated Lab Samples: 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/03/23 15:33	
Arsenic	mg/L	ND	0.0050	0.0022	03/03/23 15:33	
Barium	mg/L	ND	0.0050	0.00067	03/03/23 15:33	
Beryllium	mg/L	ND	0.00050	0.000054	03/03/23 15:33	
Boron	mg/L	ND	0.040	0.0086	03/03/23 15:33	
Cadmium	mg/L	ND	0.00050	0.00011	03/03/23 15:33	
Chromium	mg/L	ND	0.0050	0.0011	03/03/23 15:33	
Cobalt	mg/L	ND	0.0050	0.00039	03/03/23 15:33	
Copper	mg/L	ND	0.0050	0.0010	03/03/23 15:33	
Lead	mg/L	ND	0.0010	0.00089	03/03/23 15:33	
Nickel	mg/L	ND	0.0050	0.00071	03/03/23 15:33	
Selenium	mg/L	ND	0.0050	0.0014	03/03/23 15:33	
Silver	mg/L	ND	0.0050	0.00044	03/03/23 15:33	
Thallium	mg/L	ND	0.0010	0.00018	03/03/23 15:33	
Vanadium	mg/L	ND	0.010	0.0019	03/03/23 15:33	

LABORATORY CONTROL SAMPLE: 3941297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.10	102	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941298												3941299	
Parameter	Units	92652194022		MS	MSD	MS		MSD		% Rec Limits	Max RPD	Qual	
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	110	111	75-125	1	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	100	103	75-125	3	20		
Barium	mg/L	0.0080	0.1	0.1	0.11	0.11	103	103	75-125	0	20		
Beryllium	mg/L	ND	0.1	0.1	0.095	0.098	95	98	75-125	3	20		
Boron	mg/L	ND	1	1	0.97	1.0	97	100	75-125	3	20		
Cadmium	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20		
Chromium	mg/L	0.0015J	0.1	0.1	0.10	0.11	100	104	75-125	3	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20		
Copper	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.096	0.098	96	98	75-125	2	20		
Nickel	mg/L	ND	0.1	0.1	0.098	0.10	98	99	75-125	2	20		
Selenium	mg/L	ND	0.1	0.1	0.099	0.10	99	103	75-125	4	20		
Silver	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch:	759114	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

METHOD BLANK: 3943308 Matrix: Water
Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/03/23 07:02	

LABORATORY CONTROL SAMPLE: 3943309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3943310 3943311

Parameter	Units	92651771010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0023	91	91	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch: 759115 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

METHOD BLANK: 3943327 Matrix: Water
Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/03/23 08:19	

LABORATORY CONTROL SAMPLE: 3943328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3943329 3943330

Parameter	Units	92652734001		3943330		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0023	93	92	75-125	1	20

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch:	756651	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

METHOD BLANK: 3931171 Matrix: Water
Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/17/23 14:02	

LABORATORY CONTROL SAMPLE: 3931172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	398	100	80-120	

SAMPLE DUPLICATE: 3931173

Parameter	Units	92652184002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	78.0	120	42	10	D6

SAMPLE DUPLICATE: 3931174

Parameter	Units	92652194008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	52.9	ND		10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch: 756899 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

METHOD BLANK: 3932259 Matrix: Water
Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/20/23 12:33	

LABORATORY CONTROL SAMPLE: 3932260

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	377	94	80-120	

SAMPLE DUPLICATE: 3932261

Parameter	Units	92652194009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	149	208	33	10	D6

SAMPLE DUPLICATE: 3932262

Parameter	Units	92652194019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	111	92.9	18	10	D6

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch: 756619 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92652194001, 92652194002

METHOD BLANK: 3930962 Matrix: Water
Associated Lab Samples: 92652194001, 92652194002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/21/23 11:48	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 11:48	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 11:48	

LABORATORY CONTROL SAMPLE: 3930963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.2	98	80-120	

LABORATORY CONTROL SAMPLE: 3930964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930965 3930966

Parameter	Units	3930965		3930966		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	102	50	50	159	157	116	111	80-120	2	25

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch: 756661 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

METHOD BLANK: 3931196 Matrix: Water
Associated Lab Samples: 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/21/23 14:21	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 14:21	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 14:21	

LABORATORY CONTROL SAMPLE: 3931197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.5	97	80-120	

LABORATORY CONTROL SAMPLE: 3931198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.4	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3931199 3931200

Parameter	Units	3931199		3931200		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	23.2	50	50	72.6	74.5	99	103	80-120	3	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3931201 3931202

Parameter	Units	3931201		3931202		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	ND	50	50	43.8	43.6	88	87	80-120	1	25

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch:	757250	Analysis Method:	SM 2320B-2011
QC Batch Method:	SM 2320B-2011	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

METHOD BLANK: 3933996 Matrix: Water
Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/22/23 18:00	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/22/23 18:00	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/22/23 18:00	

LABORATORY CONTROL SAMPLE: 3933997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	80-120	

LABORATORY CONTROL SAMPLE: 3933998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933999 3934000

Parameter	Units	92652194022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	98.8	50	50	154	157	111	116	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3934001 3934002

Parameter	Units	92652194023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	51.1	51.2	102	102	80-120	0	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch: 757665 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92652194012

METHOD BLANK: 3935742 Matrix: Water
Associated Lab Samples: 92652194012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/23/23 10:30	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/23/23 10:30	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/23/23 10:30	

LABORATORY CONTROL SAMPLE: 3935743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.0	100	80-120	

LABORATORY CONTROL SAMPLE: 3935744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.5	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935747 3935748

Parameter	Units	3935747		3935748		% Rec Limits	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.			
Alkalinity, Total as CaCO3	mg/L	69.5	50	122	50	80-120	3	25

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch:	756234	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008		

METHOD BLANK:	3928924	Matrix:	Water
Associated Lab Samples:	92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/17/23 02:06	
Fluoride	mg/L	ND	0.10	0.050	02/17/23 02:06	
Sulfate	mg/L	ND	1.0	0.50	02/17/23 02:06	

LABORATORY CONTROL SAMPLE: 3928925						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	49.4	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928926												3928927	
Parameter	Units	92651771018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	2.0	50	50	50.4	50.8	97	98	90-110	1	10		
Fluoride	mg/L	0.078J	2.5	2.5	2.3	2.4	90	92	90-110	2	10		
Sulfate	mg/L	86.7	50	50	134	136	95	98	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928928												3928929	
Parameter	Units	92652194007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	1.0	50	50	49.7	50.1	97	98	90-110	1	10		
Fluoride	mg/L	0.053J	2.5	2.5	2.4	2.5	94	96	90-110	3	10		
Sulfate	mg/L	1.4	50	50	49.8	50.2	97	98	90-110	1	10		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

QC Batch: 757099 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

METHOD BLANK: 3933115 Matrix: Water
Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/21/23 16:01	
Fluoride	mg/L	ND	0.10	0.050	02/21/23 16:01	
Sulfate	mg/L	ND	1.0	0.50	02/21/23 16:01	

LABORATORY CONTROL SAMPLE: 3933116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933117 3933118

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652194009 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	1.6	50	50	50.6	51.2	98	99	90-110	1	10
Fluoride	mg/L	0.074J	2.5	2.5	2.6	2.7	103	103	90-110	1	10
Sulfate	mg/L	6.3	50	50	55.5	56.0	98	99	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933119 3933120

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652194019 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	2.0	50	50	51.4	52.2	99	100	90-110	2	10
Fluoride	mg/L	0.064J	2.5	2.5	2.6	2.7	103	105	90-110	1	10
Sulfate	mg/L	4.3	50	50	53.9	54.6	99	101	90-110	1	10

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652194001	BOW-GWA-39Z				
92652194002	BOW-GWA-40				
92652194003	BOW-GWA-41				
92652194004	BOW-GWA-41R				
92652194005	BOW-GWA-42				
92652194006	BOW-GWA-43R				
92652194009	BOW-GWA-39RZ				
92652194010	BOW-GWA-43				
92652194011	BOW-GWC-44				
92652194012	BOW-GWC-46R				
92652194013	BOW-GWC-49R				
92652194014	BOW-GWC-49Z				
92652194017	BOW-GWC-45				
92652194018	BOW-GWC-45R				
92652194019	BOW-GWC-47				
92652194020	BOW-GWC-47R				
92652194021	BOW-GWC-48				
92652194001	BOW-GWA-39Z	EPA 3010A	758701	EPA 6010D	758769
92652194002	BOW-GWA-40	EPA 3010A	758701	EPA 6010D	758769
92652194003	BOW-GWA-41	EPA 3010A	758701	EPA 6010D	758769
92652194004	BOW-GWA-41R	EPA 3010A	758701	EPA 6010D	758769
92652194005	BOW-GWA-42	EPA 3010A	758701	EPA 6010D	758769
92652194006	BOW-GWA-43R	EPA 3010A	758701	EPA 6010D	758769
92652194007	BOW-LF9-10-FD-08	EPA 3010A	758701	EPA 6010D	758769
92652194008	BOW-LF9-10-FB-13	EPA 3010A	758701	EPA 6010D	758769
92652194009	BOW-GWA-39RZ	EPA 3010A	758701	EPA 6010D	758769
92652194010	BOW-GWA-43	EPA 3010A	758701	EPA 6010D	758769
92652194011	BOW-GWC-44	EPA 3010A	758701	EPA 6010D	758769
92652194012	BOW-GWC-46R	EPA 3010A	758701	EPA 6010D	758769
92652194013	BOW-GWC-49R	EPA 3010A	758701	EPA 6010D	758769
92652194014	BOW-GWC-49Z	EPA 3010A	758701	EPA 6010D	758769
92652194015	BOW-LF9-10-FB-14	EPA 3010A	758701	EPA 6010D	758769
92652194016	BOW-LF9-10-EB-5	EPA 3010A	758701	EPA 6010D	758769
92652194017	BOW-GWC-45	EPA 3010A	758701	EPA 6010D	758769
92652194018	BOW-GWC-45R	EPA 3010A	758701	EPA 6010D	758769
92652194019	BOW-GWC-47	EPA 3010A	758701	EPA 6010D	758769
92652194020	BOW-GWC-47R	EPA 3010A	758701	EPA 6010D	758769
92652194021	BOW-GWC-48	EPA 3010A	758785	EPA 6010D	758881
92652194022	BOW-LF9-10-FD-09	EPA 3010A	758785	EPA 6010D	758881
92652194023	BOW-LF9-10-FB-15	EPA 3010A	758785	EPA 6010D	758881
92652194001	BOW-GWA-39Z	EPA 3005A	758699	EPA 6020B	758863
92652194002	BOW-GWA-40	EPA 3005A	758699	EPA 6020B	758863
92652194003	BOW-GWA-41	EPA 3005A	758699	EPA 6020B	758863
92652194004	BOW-GWA-41R	EPA 3005A	758699	EPA 6020B	758863
92652194005	BOW-GWA-42	EPA 3005A	758699	EPA 6020B	758863
92652194006	BOW-GWA-43R	EPA 3005A	758699	EPA 6020B	758863
92652194007	BOW-LF9-10-FD-08	EPA 3005A	758699	EPA 6020B	758863

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652194008	BOW-LF9-10-FB-13	EPA 3005A	758699	EPA 6020B	758863
92652194009	BOW-GWA-39RZ	EPA 3005A	758699	EPA 6020B	758863
92652194010	BOW-GWA-43	EPA 3005A	758699	EPA 6020B	758863
92652194011	BOW-GWC-44	EPA 3005A	758699	EPA 6020B	758863
92652194012	BOW-GWC-46R	EPA 3005A	758699	EPA 6020B	758863
92652194013	BOW-GWC-49R	EPA 3005A	758699	EPA 6020B	758863
92652194014	BOW-GWC-49Z	EPA 3005A	758699	EPA 6020B	758863
92652194015	BOW-LF9-10-FB-14	EPA 3005A	758699	EPA 6020B	758863
92652194016	BOW-LF9-10-EB-5	EPA 3005A	758699	EPA 6020B	758863
92652194017	BOW-GWC-45	EPA 3005A	758699	EPA 6020B	758863
92652194018	BOW-GWC-45R	EPA 3005A	758699	EPA 6020B	758863
92652194019	BOW-GWC-47	EPA 3005A	758699	EPA 6020B	758863
92652194020	BOW-GWC-47R	EPA 3005A	758699	EPA 6020B	758863
92652194021	BOW-GWC-48	EPA 3005A	758787	EPA 6020B	758884
92652194022	BOW-LF9-10-FD-09	EPA 3005A	758787	EPA 6020B	758884
92652194023	BOW-LF9-10-FB-15	EPA 3005A	758787	EPA 6020B	758884
92652194001	BOW-GWA-39Z	EPA 7470A	759114	EPA 7470A	759159
92652194002	BOW-GWA-40	EPA 7470A	759114	EPA 7470A	759159
92652194003	BOW-GWA-41	EPA 7470A	759114	EPA 7470A	759159
92652194004	BOW-GWA-41R	EPA 7470A	759114	EPA 7470A	759159
92652194005	BOW-GWA-42	EPA 7470A	759114	EPA 7470A	759159
92652194006	BOW-GWA-43R	EPA 7470A	759114	EPA 7470A	759159
92652194007	BOW-LF9-10-FD-08	EPA 7470A	759114	EPA 7470A	759159
92652194008	BOW-LF9-10-FB-13	EPA 7470A	759114	EPA 7470A	759159
92652194009	BOW-GWA-39RZ	EPA 7470A	759115	EPA 7470A	759162
92652194010	BOW-GWA-43	EPA 7470A	759115	EPA 7470A	759162
92652194011	BOW-GWC-44	EPA 7470A	759115	EPA 7470A	759162
92652194012	BOW-GWC-46R	EPA 7470A	759115	EPA 7470A	759162
92652194013	BOW-GWC-49R	EPA 7470A	759115	EPA 7470A	759162
92652194014	BOW-GWC-49Z	EPA 7470A	759115	EPA 7470A	759162
92652194015	BOW-LF9-10-FB-14	EPA 7470A	759115	EPA 7470A	759162
92652194016	BOW-LF9-10-EB-5	EPA 7470A	759115	EPA 7470A	759162
92652194017	BOW-GWC-45	EPA 7470A	759115	EPA 7470A	759162
92652194018	BOW-GWC-45R	EPA 7470A	759115	EPA 7470A	759162
92652194019	BOW-GWC-47	EPA 7470A	759115	EPA 7470A	759162
92652194020	BOW-GWC-47R	EPA 7470A	759115	EPA 7470A	759162
92652194021	BOW-GWC-48	EPA 7470A	759115	EPA 7470A	759162
92652194022	BOW-LF9-10-FD-09	EPA 7470A	759115	EPA 7470A	759162
92652194023	BOW-LF9-10-FB-15	EPA 7470A	759115	EPA 7470A	759162
92652194001	BOW-GWA-39Z	SM 2540C-2015	756651		
92652194002	BOW-GWA-40	SM 2540C-2015	756651		
92652194003	BOW-GWA-41	SM 2540C-2015	756651		
92652194004	BOW-GWA-41R	SM 2540C-2015	756651		
92652194005	BOW-GWA-42	SM 2540C-2015	756651		
92652194006	BOW-GWA-43R	SM 2540C-2015	756651		
92652194007	BOW-LF9-10-FD-08	SM 2540C-2015	756651		
92652194008	BOW-LF9-10-FB-13	SM 2540C-2015	756651		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652194009	BOW-GWA-39RZ	SM 2540C-2015	756899		
92652194010	BOW-GWA-43	SM 2540C-2015	756899		
92652194011	BOW-GWC-44	SM 2540C-2015	756899		
92652194012	BOW-GWC-46R	SM 2540C-2015	756899		
92652194013	BOW-GWC-49R	SM 2540C-2015	756899		
92652194014	BOW-GWC-49Z	SM 2540C-2015	756899		
92652194015	BOW-LF9-10-FB-14	SM 2540C-2015	756899		
92652194016	BOW-LF9-10-EB-5	SM 2540C-2015	756899		
92652194017	BOW-GWC-45	SM 2540C-2015	756899		
92652194018	BOW-GWC-45R	SM 2540C-2015	756899		
92652194019	BOW-GWC-47	SM 2540C-2015	756899		
92652194020	BOW-GWC-47R	SM 2540C-2015	756899		
92652194021	BOW-GWC-48	SM 2540C-2015	756899		
92652194022	BOW-LF9-10-FD-09	SM 2540C-2015	756899		
92652194023	BOW-LF9-10-FB-15	SM 2540C-2015	756899		
92652194001	BOW-GWA-39Z	SM 2320B-2011	756619		
92652194002	BOW-GWA-40	SM 2320B-2011	756619		
92652194003	BOW-GWA-41	SM 2320B-2011	756661		
92652194004	BOW-GWA-41R	SM 2320B-2011	756661		
92652194005	BOW-GWA-42	SM 2320B-2011	756661		
92652194006	BOW-GWA-43R	SM 2320B-2011	756661		
92652194007	BOW-LF9-10-FD-08	SM 2320B-2011	756661		
92652194008	BOW-LF9-10-FB-13	SM 2320B-2011	756661		
92652194009	BOW-GWA-39RZ	SM 2320B-2011	757250		
92652194010	BOW-GWA-43	SM 2320B-2011	757250		
92652194011	BOW-GWC-44	SM 2320B-2011	757250		
92652194012	BOW-GWC-46R	SM 2320B-2011	757665		
92652194013	BOW-GWC-49R	SM 2320B-2011	757250		
92652194014	BOW-GWC-49Z	SM 2320B-2011	757250		
92652194015	BOW-LF9-10-FB-14	SM 2320B-2011	757250		
92652194016	BOW-LF9-10-EB-5	SM 2320B-2011	757250		
92652194017	BOW-GWC-45	SM 2320B-2011	757250		
92652194018	BOW-GWC-45R	SM 2320B-2011	757250		
92652194019	BOW-GWC-47	SM 2320B-2011	757250		
92652194020	BOW-GWC-47R	SM 2320B-2011	757250		
92652194021	BOW-GWC-48	SM 2320B-2011	757250		
92652194022	BOW-LF9-10-FD-09	SM 2320B-2011	757250		
92652194023	BOW-LF9-10-FB-15	SM 2320B-2011	757250		
92652194001	BOW-GWA-39Z	EPA 300.0 Rev 2.1 1993	756234		
92652194002	BOW-GWA-40	EPA 300.0 Rev 2.1 1993	756234		
92652194003	BOW-GWA-41	EPA 300.0 Rev 2.1 1993	756234		
92652194004	BOW-GWA-41R	EPA 300.0 Rev 2.1 1993	756234		
92652194005	BOW-GWA-42	EPA 300.0 Rev 2.1 1993	756234		
92652194006	BOW-GWA-43R	EPA 300.0 Rev 2.1 1993	756234		
92652194007	BOW-LF9-10-FD-08	EPA 300.0 Rev 2.1 1993	756234		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652194008	BOW-LF9-10-FB-13	EPA 300.0 Rev 2.1 1993	756234		
92652194009	BOW-GWA-39RZ	EPA 300.0 Rev 2.1 1993	757099		
92652194010	BOW-GWA-43	EPA 300.0 Rev 2.1 1993	757099		
92652194011	BOW-GWC-44	EPA 300.0 Rev 2.1 1993	757099		
92652194012	BOW-GWC-46R	EPA 300.0 Rev 2.1 1993	757099		
92652194013	BOW-GWC-49R	EPA 300.0 Rev 2.1 1993	757099		
92652194014	BOW-GWC-49Z	EPA 300.0 Rev 2.1 1993	757099		
92652194015	BOW-LF9-10-FB-14	EPA 300.0 Rev 2.1 1993	757099		
92652194016	BOW-LF9-10-EB-5	EPA 300.0 Rev 2.1 1993	757099		
92652194017	BOW-GWC-45	EPA 300.0 Rev 2.1 1993	757099		
92652194018	BOW-GWC-45R	EPA 300.0 Rev 2.1 1993	757099		
92652194019	BOW-GWC-47	EPA 300.0 Rev 2.1 1993	757099		
92652194020	BOW-GWC-47R	EPA 300.0 Rev 2.1 1993	757099		
92652194021	BOW-GWC-48	EPA 300.0 Rev 2.1 1993	757099		
92652194022	BOW-LF9-10-FD-09	EPA 300.0 Rev 2.1 1993	757099		
92652194023	BOW-LF9-10-FB-15	EPA 300.0 Rev 2.1 1993	757099		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

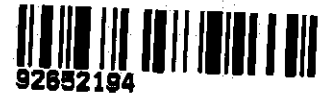
Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **W0# : 92652194**



Courier: Commercial Fed Ex UPS USPS Client Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/14/23
COM

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer: IR Gun ID: 230 Type of Ice: Wet Blue None

Biological Tissue Frozen? Yes No N/A

Cooler Temp: 4.9 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.9

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Chain of Custody Present?	Comments/Discrepancy:
1.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
2.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
3.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
4.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
5.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
6.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Pace Containers Used?	
7.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
8.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
9.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	-Includes Date/Time/ID/Analysis Matrix: <u>W</u>	
10.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
11.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92652194

PM: BV

Due Date: 02/28/23

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1		2			1																								
2		2			1																								
3		2			1																								
4		2			1																								
5		2			1																								
6		2			1																								
7		2			1																								
8		2			1																								
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Page

Section A Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <https://info.pccobts.com/htmls/pas-standard-terms.pdf>.

CHAIN-OF-CUSTODY / Analytical Request Document

Page: 1 of 2

Required Client Information: Company: Georgia Power Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308 Email: lnharris@georgiapower.com Phone: (478) 217-0008 Fax Requested Due Date: Standard		Required Project Information: Report To: Kristen Lumco, Cassidy Sullivan Copy To: Laura Medoff, Ben Hodges, Mike Smiley Purchase Order #: Nevada Garage Project Name: Bowen LF Cells 9810 Project #:		Invoice Information: Attention: Company Name: Georgia Power Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308 P.O. Box: P.O. Project Manager: donnie.vang@pccobts.com P.O. Profile #: 10950-4 GA	
---	--	--	--	--	--

ITEM #	MATRIX	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test				Residual Chlorine (Y/N)	pH		
						Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Y/N	UV + State Metals	Cl, F, SO4			TDS	Alkalinity
1	BOW-GWA-39RZ	2/13/23	1255	32	1										X	X	X	X	X	6.35
2	BOW-GWA-39Z	2/13/23	1420	32	1										X	X	X	X	X	6.94
3	BOW-GWA-40	2/13/23	1500	32	1										X	X	X	X	X	6.25
4	BOW-GWA-41	2/13/23	1220	32	1										X	X	X	X	X	6.45
5	BOW-GWA-41R	2/13/23	1641	32	1										X	X	X	X	X	6.83
6	BOW-GWA-42	2/13/23	1614	32	1										X	X	X	X	X	7.82
7	BOW-GWA-43														X	X	X	X	X	
8	BOW-GWA-43R														X	X	X	X	X	
9	BOW-GWA-44														X	X	X	X	X	
10	BOW-GWA-45														X	X	X	X	X	
11	BOW-GWA-45R														X	X	X	X	X	
12	BOW-GWA-46R														X	X	X	X	X	

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: Ryan Williams SIGNATURE of SAMPLER: <i>Ryan Williams</i>		DATE SIGNED: 2/13/23	
RECEIVED BY / AFFILIATION: PRINT Name of SAMPLER: Ryan Williams SIGNATURE of SAMPLER: <i>Ryan Williams</i>		DATE SIGNED: 2/13/23	
TEMP in C:		Received on ice (Y/N):	
Residual Chlorine (Y/N):		Custody Sealed Cooler (Y/N):	
Analysis Test:		Samples Intact (Y/N):	

Pace

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://info.pacelabs.com/hubs/gas-standard-form.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

Page: 2 of 2

Section A
Required Client Information:

Company: Georgia Power
 Address: 241 Ralph McGill Blvd NE
 Atlanta, GA 30308
 Email: kgupta@pacelabs.com
 Phone: (470) 217-0008
 Requested Due Date: Standard

Section B
Required Project Information:

Report To: Kristen Jurkic, Cassidy Sulzhand
 Copy To: Laura Madoff, Ben Hodges, Mike Smiley
 Project Name: Bowen LF Cells 9&10
 Project #: 10850-4

Section C
Invoice Information:

Company Name: Georgia Power
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
 Pace Quote:
 Pace Project Manager: horrie.wang@pacelabs.com
 Pace Profile #: 10850-4

Regulatory Agency

State / Location
GA

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytes Test	Y/N	Residual Chlorine (Y/N)	TEMP in C
							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				
13	BOW-GWC-47	WG G															
14	BOW-GWC-47R	WG G															
16	BOW-GWC-48	WG G															
18	BOW-GWC-49R	WG G															
17	BOW-GWC-48Z	WG G															
18	BOW-LF9-10-ED-08	WG G	2/13/23	---	32	1											007
19	BOW-LF9-10-ED-09	WG G															
20	BOW-LF9-10-FB-13	WG G	2/13/23	1550	32	1											008
21	BOW-LF9-10-FB-	WG G															
22	BOW-LF9-10-FB-	WG G															
23	BOW-LF9-10-FB-	WG G															
24	BOW-LF9-10-FB-	WG G															

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION
Kevin Stephen, William Leaker, Meredith Durcan

DATE
2/13/23 1550

ACCEPTED BY / AFFILIATION
Ryan Williams / Pace

DATE
2/14/23 1158

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Kevin Stephen, William Leaker, Meredith Durcan
 SIGNATURE of SAMPLER: *[Signature]*
 DATE Signed: 2/13/23

Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92652194

Courier: Fed Ex UPS USPS Client Pace Other: _____

PM: BV Due Date: 02/28/23
CLIENT: GA-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/17/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 230 Type of Ice: Wet Blue None

Cooler Temp: 5.5 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.5

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO#: 92652194

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/BO15 (water) DOC, LLHg

PM: BV

Due Date: 02/28/23

**Bottom half of box is to list number of bottles

CLIENT: GA-GA Power

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGJU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		2																											
2		2																											
3		3																											
4		2																											
5		2																											
6		2																											
7		2																											
8		2																											
9		2																											
10		2																											
11		2																											
12		2																											

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA N2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2Y-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vial (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		2	1																										
2		2	1																										
3		2	1																										
4		2	1																										
5			2																										
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

FACE

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Face Terms and Conditions found at <https://info.pacesolve.com/hubs/face-standard-forms.pdf>.

CHAIN-OF-CUSTODY / Analytical Request Document

Section A
Required Client Information:

Company: Georgia Power
 Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308
 Email: kjuldrick@outlook.com
 Phone: (478) 217-0008
 Requested Due Date: Standard

Section B
Requested Project Information:

Report To: Kristen Jurlick, Cassidy Sulphand
 Copy To: Laura Mickitt, Ben Hodges, Mike Striley
 Project Name: Bowen LF Cells 9&10
 Project #:
 Purchase Order #:
 Bowen LF Cells 9&10

Section C
Analytical Information:

Attention:
 Company Name: Georgia Power
 Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308
 Pace Office:
 Pace Project Manager: bonnie.wang@pacesolve.com
 Pace Profile #: 10890-4
 Regulatory Agency:
 State / Location: GA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, -) Sample IDs must be unique	MATRIX	CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Residual Chlorine (Y/N)	pH		
				DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other	UVV + State Metals
1	BOW-GWA-39RZ	Drinking Water	EW	2/14/23	1420	3	2	1											7.48009
2	BOW-GWA-39Z	Drinking Water	EW																
3	BOW-GWA-40	Drinking Water	EW																
4	BOW-GWA-41	Drinking Water	EW																
5	BOW-GWA-41R	Drinking Water	EW																
6	BOW-GWA-42	Drinking Water	EW																
7	BOW-GWA-43	Drinking Water	EW	2/14/23	1106	3	2	1											5.24010
8	BOW-GWA-43R	Drinking Water	EW																
9	BOW-GWA-44	Drinking Water	EW	2/14/23	1410	3	2	1											3.95011
10	BOW-GWC-45	Drinking Water	EW																
11	BOW-GWC-45R	Drinking Water	EW																
12	BOW-GWC-46R	Drinking Water	EW	2/14/23	1454	3	2	1											7.49012

ADDITIONAL COMMENTS
 WILLIAM LACKER
 Kegan Williams / Pac
 Kegan Williams / Pac
 Margaret Summers
 DATE SIGNED: 2/14/23

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Kevin Stephenson, William Lacker, Meredith Durcan
 SIGNATURE of SAMPLER: *[Signature]*
 Resolute Environmental

DELIVERED BY / AFFILIATION
 DATE: 2/17/23
 TIME: 1215

ACCEPTED BY / AFFILIATION
 DATE: 2/17/23
 TIME: 15:25

TEMP in C
 Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)

Pace

Submitting a sample via the chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.paceanalytical.com/submit/sample-standard/terms.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

Page: 2 of 2

Section A

Required Client Information:

Company: Georgia Power
 Address: 241 Ralph McGill Blvd. NE
 Atlanta, GA 30308
 Email: kbjulfrink@ge.com
 Phone: (478) 217-0008
 Requested Due Date: Standard

Section B

Required Project Information:

Report To: Nolan Jurkic, Cassidy Sutherland
 Copy To: Laura McKinn, Ben Hodges, Mike Striffler
 Project Name: Bowen LF Cells 9410
 Purchase Order #: Bowen LF Cells 9410
 Project #:

Section C

Invoice Information:

Attention: Kevin Stephens
 Company Name: Georgia Power
 Address: 241 Ralph McGill Blvd. NE, Atlanta GA 30308
 Pace Project Manager: bowen_vanq@pacelabs.com
 Pace Profile #: 10850-5

Regulatory Agency: State/Laboratory GA

ITEM #	SAMPLE ID <small>One Character per box. (A-Z, 0-9, /, -)</small> Sample IDs must be unique	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE <small>(G=GRAB C=COMP)</small>	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES								Analyzes Test	Residual Chlorine (Y/N)	PH									
				DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				II/IV - State Metals	Cl, F, SO4	TDS	Alkalinity					
13	BOW-GWC-47	WG G	G																								
14	BOW-GWC-47R	WG G	G																								
15	BOW-GWC-48	WG G	G																								
16	BOW-GWC-48R	WG G	G	2/14/23	1226		3	2	1																	7.15	
17	BOW-GWC-492	WG G	G	2/14/23	1333		3	2	1																	5.15	
18	BOW-LF9-10-FD-08	WG G	G																								
19	BOW-LF9-10-FD-08	WG G	G																								
20	BOW-LF9-10-FB-14	WG G	G	2/14/23	1518		3	2	1																		
21	BOW-LF9-10-FB-	WG G	G																								
22	BOW-LF9-10-FB-	WG G	G																								
23	BOW-LF9-10-FB-	WG G	G																								
24	BOW-LF9-10-FB-5	WG G	G	2/14/23	1520		3	2	1																		0.6

ADDITIONAL COMMENTS:

REQUIRED BY AFFILIATION: William Leaker 2/17/23 12:05
 Ryan William Pace 2/17/23 15:25

ACCEPTED BY AFFILIATION: Ryan William Pace 2/17/23 12:05

SAMPLER NAME AND SIGNATURE: William Leaker
 PRINT NAME OF SAMPLER: Ryan William Pace
 SIGNATURE OF SAMPLER: *[Signature]*
 DATE SIGNED: 2/14/23

TEMP IN C:

Received on Ice (Y/N):

Custody Sealed Cooler (Y/N):

Samples Intact (Y/N):

Page

Submitting a sample via the chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pace-standard-terms.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Company: Georgia Power Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308 Phone: (478) 217-0008 Requested Due Date: Standard	Section B Required Project Information: Report To: Yeshu Juriso, Cassidy Sutherland Copy To: Laura Miller, Ben Hodges, Mike Smiley Purchase Order #: Noelia Garcia Project Name: Brown LF Cells 9#10	Section C Invoicing Information: Attention: Georgia Power Company Name: Georgia Power Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308 Pace Quote: Pace Project Manager: boran.veng@pacelabs.com Pace Profile #: 10850-4	Regulatory Agency State Location: GA
--	--	---	--

ITEM #	MUTRIN Disting Water Other Water Waste Water Industrial Other	MUTRIN Code DW WW SW SI CL WP AR OT TB	SAMPLE ID <small>One Character per box. (A-Z, 0-9, /, -) Sample IDs must be unique</small>	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE <small>(G=GRAB C=COMP)</small>	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyzes Test				Residual Chlorine (Y/N)	pH				
						DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	III/IV + State Metals	Cl, F, SO4	TDS			Alkalinity			
1			BOW-GWA-39RZ	WG	G																					
2			BOW-GWA-39Z	WG	G																					
3			BOW-GWA-40	WG	G																					
4			BOW-GWA-41	WG	G																					
5			BOW-GWA-41R	WG	G																					
6			BOW-GWA-42	WG	G																					
7			BOW-GWA-43	WG	G																					
8			BOW-GWA-43R	WG	G																					
9			BOW-GWC-44	WG	G																					
10			BOW-GWC-45	WG	G	2/15/23	1115		3	2	1															
11			BOW-GWC-45R	WG	G	2/15/23	1320		3	2	1															
12			BOW-GWC-46R	WG	G																					

ADDITIONAL COMMENTS: William Leaker

RELINQUISHED BY/AFFILIATION: Pace Williams / 1/2/23

DATE: 2/17/23

TIME: 1215

ACCEPTED BY/AFFILIATION: Ryan Williams / Pace

DATE: 2/17/23

TIME: 1215

TEMP in C: _____

Received on Ice (Y/N): _____

Custody Sealed Cooler (Y/N): _____

Samples Intact (Y/N): _____

SAMPLE NAME AND SIGNATURE	
PRINT NAME OF SAMPLER: Kean Stephenson, William Leaker, Meredith Duncan	
SIGNATURE OF SAMPLER: [Signature]	DATE SIGNED: 2/15/23
Residue Environmental	

April 26, 2023

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between February 17, 2023 and February 23, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

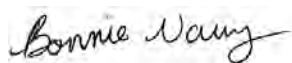
The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

A revised report is being submitted on 4/14/23 due to a compound list reporting error.

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

Sincerely,



Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power-CCR
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Michael Smilley, Georgia Power
Brian Steele, Stantec

Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92652951001	BOW-GWA-1	Water	02/16/23 12:34	02/17/23 12:15
92652951002	BOW-GWA-2	Water	02/16/23 14:35	02/17/23 12:15
92652951003	BOW-GWA-2R	Water	02/16/23 15:26	02/17/23 12:15
92652951004	BOW-GWA-50	Water	02/16/23 13:45	02/17/23 12:15
92652951005	BOW-GWA-50R	Water	02/16/23 15:00	02/17/23 12:15
92652951006	BOW-LF1-2-FD-10	Water	02/16/23 00:00	02/17/23 12:15
92652951007	BOW-LF1-2-FB-16	Water	02/16/23 14:50	02/17/23 12:15
92652951008	BOW-GWC-5	Water	02/20/23 11:11	02/21/23 16:51
92652951009	BOW-GWC-7Z	Water	02/20/23 12:37	02/21/23 16:51
92652951010	BOW-GWC-8Z	Water	02/20/23 14:46	02/21/23 16:51
92652951011	BOW-GWA-3A	Water	02/17/23 10:56	02/21/23 16:51
92652951012	BOW-GWA-4RZ	Water	02/17/23 09:46	02/21/23 16:51
92652951013	BOW-GWC-6	Water	02/17/23 12:00	02/21/23 16:51
92652951014	BOW-GWC-6RZ	Water	02/17/23 13:28	02/21/23 16:51
92652951015	BOW-GWC-10	Water	02/20/23 12:45	02/21/23 16:51
92652951016	BOW-GWC-10R	Water	02/20/23 10:40	02/21/23 16:51
92652951017	BOW-GWC-11	Water	02/20/23 13:45	02/21/23 16:51
92652951018	BOW-GWC-11R	Water	02/20/23 15:00	02/21/23 16:51
92652951019	BOW-LF1-2-FD-11	Water	02/20/23 00:00	02/21/23 16:51
92652951020	BOW-LF1-2-FB-18	Water	02/20/23 15:45	02/21/23 16:51
92652951021	BOW-LF1-2-FB-17	Water	02/17/23 11:45	02/21/23 16:51
92652951022	BOW-GWC-8RR	Water	02/21/23 09:50	02/23/23 09:34
92652951023	BOW-GWC-9	Water	02/21/23 10:55	02/23/23 09:34
92652951024	BOW-GWC-12	Water	02/21/23 15:01	02/23/23 09:34
92652951025	BOW-LF1-2-FB-19	Water	02/21/23 15:40	02/23/23 09:34
92652951026	BOW-GWC-13	Water	02/22/23 11:30	02/23/23 09:34
92652951027	BOW-GWC-13RZ	Water	02/22/23 10:05	02/23/23 09:34
92652951028	BOW-GWC-14Z	Water	02/22/23 13:12	02/23/23 09:34
92652951029	BOW-GWC-15R	Water	02/22/23 13:35	02/23/23 09:34
92652951030	BOW-GWC-15Z	Water	02/22/23 10:45	02/23/23 09:34
92652951031	BOW-LF1-2-FB-20	Water	02/22/23 14:00	02/23/23 09:34
92652951032	BOW-LF1-2-FD-12	Water	02/22/23 00:00	02/23/23 09:34

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652951001	BOW-GWA-1	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951002	BOW-GWA-2	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951003	BOW-GWA-2R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951004	BOW-GWA-50	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951005	BOW-GWA-50R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951006	BOW-LF1-2-FD-10	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951007	BOW-LF1-2-FB-16	EPA 6010D	MS	7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951008	BOW-GWC-5	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951009	BOW-GWC-7Z	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951010	BOW-GWC-8Z	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951011	BOW-GWA-3A	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951012	BOW-GWA-4RZ	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951013	BOW-GWC-6	EPA 6010D	MS	7
		EPA 6020B	CW1	15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652951014	BOW-GWC-6RZ	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951015	BOW-GWC-10	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951016	BOW-GWC-10R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92652951017	BOW-GWC-11	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951018	BOW-GWC-11R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951019	BOW-LF1-2-FD-11	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652951020	BOW-LF1-2-FB-18	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652951021	BOW-LF1-2-FB-17	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652951022	BOW-GWC-8RR	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652951023	BOW-GWC-9	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652951024	BOW-GWC-12	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652951025	BOW-LF1-2-FB-19	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652951026	BOW-GWC-13	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951027	BOW-GWC-13RZ	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951028	BOW-GWC-14Z	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951029	BOW-GWC-15R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951030	BOW-GWC-15Z	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951031	BOW-LF1-2-FB-20	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652951032	BOW-LF1-2-FD-12	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951001	BOW-GWA-1					
	Performed by	Client			03/08/23 15:09	
	Collected By	Kevin Stephenson			03/08/23 15:09	
	Collected Date	02/16/23			03/08/23 15:09	
	Collected Time	12:34			03/08/23 15:09	
	pH	7.39	Std. Units		03/08/23 15:09	
EPA 6010D	Calcium	33.3	mg/L	1.0	03/02/23 16:11	
EPA 6010D	Iron	0.069	mg/L	0.040	03/02/23 16:11	
EPA 6010D	Manganese	0.11	mg/L	0.040	03/02/23 16:11	
EPA 6010D	Potassium	1.2	mg/L	0.50	03/02/23 16:11	
EPA 6010D	Sodium	6.0	mg/L	1.0	03/02/23 16:11	
EPA 6010D	Magnesium	16.3	mg/L	0.050	03/02/23 16:11	
EPA 6020B	Antimony	0.016	mg/L	0.0030	03/03/23 17:26	
EPA 6020B	Barium	0.018	mg/L	0.0050	03/03/23 17:26	
EPA 7470A	Mercury	0.00017J	mg/L	0.00020	03/07/23 09:15	
SM 2540C-2015	Total Dissolved Solids	152	mg/L	25.0	02/23/23 13:37	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	162	mg/L	5.0	02/23/23 19:54	
SM 2320B-2011	Alkalinity, Total as CaCO3	162	mg/L	5.0	02/23/23 19:54	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	02/22/23 00:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.070J	mg/L	0.10	02/22/23 00:03	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	02/22/23 00:03	
92652951002	BOW-GWA-2					
	Performed by	Client			03/08/23 15:11	
	Collected By	Kevin Stephenson			03/08/23 15:11	
	Collected Date	02/16/23			03/08/23 15:11	
	Collected Time	14:35			03/08/23 15:11	
	pH	6.56	Std. Units		03/08/23 15:11	
EPA 6010D	Calcium	60.5	mg/L	1.0	03/02/23 16:16	
EPA 6010D	Manganese	0.021J	mg/L	0.040	03/02/23 16:16	
EPA 6010D	Potassium	0.91	mg/L	0.50	03/02/23 16:16	
EPA 6010D	Sodium	1.8	mg/L	1.0	03/02/23 16:16	
EPA 6010D	Magnesium	16.0	mg/L	0.050	03/02/23 16:16	
EPA 6020B	Barium	0.029	mg/L	0.0050	03/03/23 17:32	
EPA 6020B	Selenium	0.0014J	mg/L	0.0050	03/03/23 17:32	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/07/23 09:26	
SM 2540C-2015	Total Dissolved Solids	267	mg/L	25.0	02/23/23 13:37	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	89.3	mg/L	5.0	02/23/23 20:04	
SM 2320B-2011	Alkalinity, Total as CaCO3	89.3	mg/L	5.0	02/23/23 20:04	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/22/23 00:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	02/22/23 00:18	
EPA 300.0 Rev 2.1 1993	Sulfate	115	mg/L	2.0	02/22/23 10:34	
92652951003	BOW-GWA-2R					
	Performed by	Client			03/08/23 15:12	
	Collected By	Kevin Stephenson			03/08/23 15:12	
	Collected Date	02/16/23			03/08/23 15:12	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951003	BOW-GWA-2R					
	Collected Time	15:26			03/08/23 15:12	
	pH	7.02	Std. Units		03/08/23 15:12	
EPA 6010D	Calcium	51.6	mg/L	1.0	03/02/23 16:21	
EPA 6010D	Iron	0.48	mg/L	0.040	03/02/23 16:21	
EPA 6010D	Manganese	0.11	mg/L	0.040	03/02/23 16:21	
EPA 6010D	Potassium	0.61	mg/L	0.50	03/02/23 16:21	
EPA 6010D	Sodium	2.7	mg/L	1.0	03/02/23 16:21	
EPA 6010D	Magnesium	10.9	mg/L	0.050	03/02/23 16:21	
EPA 6020B	Antimony	0.0048	mg/L	0.0030	03/03/23 17:56	
EPA 6020B	Barium	0.028	mg/L	0.0050	03/03/23 17:56	
EPA 6020B	Boron	0.017J	mg/L	0.040	03/03/23 17:56	
EPA 6020B	Cobalt	0.00065J	mg/L	0.0050	03/03/23 17:56	
EPA 6020B	Copper	0.0011J	mg/L	0.0050	03/03/23 17:56	
SM 2540C-2015	Total Dissolved Solids	197	mg/L	25.0	02/23/23 13:38	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	134	mg/L	5.0	02/23/23 20:13	
SM 2320B-2011	Alkalinity, Total as CaCO3	134	mg/L	5.0	02/23/23 20:13	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	02/22/23 01:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.079J	mg/L	0.10	02/22/23 01:03	
EPA 300.0 Rev 2.1 1993	Sulfate	38.9	mg/L	1.0	02/22/23 01:03	
92652951004	BOW-GWA-50					
	Performed by	Client			03/08/23 15:13	
	Collected By	Kevin Stephenson			03/08/23 15:13	
	Collected Date	02/16/23			03/08/23 15:13	
	Collected Time	13:45			03/08/23 15:13	
	pH	4.95	Std. Units		03/08/23 15:13	
EPA 6010D	Calcium	1.4	mg/L	1.0	03/02/23 16:39	
EPA 6010D	Potassium	0.27J	mg/L	0.50	03/02/23 16:39	
EPA 6010D	Sodium	1.6	mg/L	1.0	03/02/23 16:39	
EPA 6010D	Magnesium	0.29	mg/L	0.050	03/02/23 16:39	
EPA 6020B	Barium	0.0067	mg/L	0.0050	03/03/23 18:02	
EPA 6020B	Copper	0.0015J	mg/L	0.0050	03/03/23 18:02	
EPA 6020B	Nickel	0.00082J	mg/L	0.0050	03/03/23 18:02	
EPA 300.0 Rev 2.1 1993	Chloride	0.91J	mg/L	1.0	02/22/23 01:18	
92652951005	BOW-GWA-50R					
	Performed by	Client			03/08/23 15:14	
	Collected By	Kevin Stephenson			03/08/23 15:14	
	Collected Date	02/16/23			03/08/23 15:14	
	Collected Time	15:00			03/08/23 15:14	
	pH	4.73	Std. Units		03/08/23 15:14	
EPA 6010D	Calcium	0.81J	mg/L	1.0	03/02/23 16:44	
EPA 6010D	Manganese	0.014J	mg/L	0.040	03/02/23 16:44	
EPA 6010D	Potassium	0.25J	mg/L	0.50	03/02/23 16:44	
EPA 6010D	Sodium	0.89J	mg/L	1.0	03/02/23 16:44	
EPA 6010D	Magnesium	0.33	mg/L	0.050	03/02/23 16:44	
EPA 6020B	Barium	0.0081	mg/L	0.0050	03/03/23 18:07	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951005	BOW-GWA-50R					
EPA 6020B	Copper	0.0028J	mg/L	0.0050	03/03/23 18:07	
EPA 6020B	Nickel	0.00081J	mg/L	0.0050	03/03/23 18:07	
EPA 6020B	Silver	0.0011J	mg/L	0.0050	03/03/23 18:07	
EPA 300.0 Rev 2.1 1993	Chloride	0.71J	mg/L	1.0	02/22/23 01:33	
EPA 300.0 Rev 2.1 1993	Sulfate	0.58J	mg/L	1.0	02/22/23 01:33	
92652951006	BOW-LF1-2-FD-10					
EPA 6010D	Calcium	0.81J	mg/L	1.0	03/02/23 17:06	
EPA 6010D	Manganese	0.015J	mg/L	0.040	03/02/23 17:06	
EPA 6010D	Potassium	0.23J	mg/L	0.50	03/02/23 17:06	
EPA 6010D	Sodium	0.89J	mg/L	1.0	03/02/23 17:06	
EPA 6010D	Magnesium	0.34	mg/L	0.050	03/02/23 17:06	
EPA 6020B	Barium	0.0080	mg/L	0.0050	03/03/23 18:25	
EPA 6020B	Copper	0.0028J	mg/L	0.0050	03/03/23 18:25	
EPA 6020B	Nickel	0.00088J	mg/L	0.0050	03/03/23 18:25	
EPA 6020B	Silver	0.0010J	mg/L	0.0050	03/03/23 18:25	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/07/23 09:42	
SM 2540C-2015	Total Dissolved Solids	46.0	mg/L	25.0	02/23/23 13:38	
EPA 300.0 Rev 2.1 1993	Chloride	0.74J	mg/L	1.0	02/22/23 02:17	
EPA 300.0 Rev 2.1 1993	Sulfate	0.57J	mg/L	1.0	02/22/23 02:17	
92652951007	BOW-LF1-2-FB-16					
SM 2540C-2015	Total Dissolved Solids	33.0	mg/L	25.0	02/23/23 13:38	
92652951008	BOW-GWC-5					
	Performed by	Client			03/08/23 15:15	
	Collected By	Kevin Stephenson			03/08/23 15:15	
	Collected Date	02/20/23			03/08/23 15:15	
	Collected Time	11:11			03/08/23 15:15	
	pH	5.78	Std. Units		03/08/23 15:15	
EPA 6010D	Zinc	0.032	mg/L	0.020	03/02/23 17:15	
EPA 6010D	Calcium	3.5	mg/L	1.0	03/02/23 17:15	
EPA 6010D	Manganese	0.025J	mg/L	0.040	03/02/23 17:15	
EPA 6010D	Potassium	1.6	mg/L	0.50	03/02/23 17:15	
EPA 6010D	Sodium	1.6	mg/L	1.0	03/02/23 17:15	
EPA 6010D	Magnesium	0.25	mg/L	0.050	03/02/23 17:15	
EPA 6020B	Barium	0.012	mg/L	0.0050	03/03/23 18:37	
EPA 6020B	Beryllium	0.00060	mg/L	0.00050	03/03/23 18:37	
EPA 6020B	Copper	0.023	mg/L	0.0050	03/03/23 18:37	
EPA 6020B	Nickel	0.0087	mg/L	0.0050	03/03/23 18:37	
SM 2540C-2015	Total Dissolved Solids	53.0	mg/L	25.0	02/23/23 13:40	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	11.4	mg/L	5.0	02/24/23 10:48	
SM 2320B-2011	Alkalinity, Total as CaCO3	11.4	mg/L	5.0	02/24/23 10:48	
EPA 300.0 Rev 2.1 1993	Chloride	0.88J	mg/L	1.0	02/23/23 21:31	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/23/23 21:31	
92652951009	BOW-GWC-7Z					
	Performed by	Client			03/08/23 15:16	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951009	BOW-GWC-7Z					
	Collected By	Kevin Stephenson			03/08/23 15:16	
	Collected Date	02/20/23			03/08/23 15:16	
	Collected Time	12:37			03/08/23 15:16	
	pH	7.40	Std. Units		03/08/23 15:16	
EPA 6010D	Calcium	26.1	mg/L	1.0	03/02/23 17:20	
EPA 6010D	Iron	0.15	mg/L	0.040	03/02/23 17:20	
EPA 6010D	Manganese	0.067	mg/L	0.040	03/02/23 17:20	
EPA 6010D	Potassium	0.81	mg/L	0.50	03/02/23 17:20	
EPA 6010D	Sodium	2.6	mg/L	1.0	03/02/23 17:20	
EPA 6010D	Magnesium	13.2	mg/L	0.050	03/02/23 17:20	
EPA 6020B	Antimony	0.0012J	mg/L	0.0030	03/03/23 18:43	
EPA 6020B	Barium	0.015	mg/L	0.0050	03/03/23 18:43	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	03/03/23 18:43	
SM 2540C-2015	Total Dissolved Solids	122	mg/L	25.0	02/23/23 13:41	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	02/24/23 10:53	
SM 2320B-2011	Alkalinity, Total as CaCO3	124	mg/L	5.0	02/24/23 10:53	
EPA 300.0 Rev 2.1 1993	Chloride	0.94J	mg/L	1.0	02/23/23 21:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	02/23/23 21:46	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/23/23 21:46	
92652951010	BOW-GWC-8Z					
	Performed by	Client			03/08/23 15:17	
	Collected By	Kevin Stephenson			03/08/23 15:17	
	Collected Date	02/20/23			03/08/23 15:17	
	Collected Time	14:46			03/08/23 15:17	
	pH	6.87	Std. Units		03/08/23 15:17	
EPA 6010D	Calcium	18.5	mg/L	1.0	03/02/23 17:25	
EPA 6010D	Potassium	1.7	mg/L	0.50	03/02/23 17:25	
EPA 6010D	Sodium	1.8	mg/L	1.0	03/02/23 17:25	
EPA 6010D	Magnesium	7.1	mg/L	0.050	03/02/23 17:25	
EPA 6020B	Barium	0.024	mg/L	0.0050	03/03/23 18:49	
SM 2540C-2015	Total Dissolved Solids	86.0	mg/L	25.0	02/23/23 13:41	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	75.3	mg/L	5.0	02/24/23 11:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	75.3	mg/L	5.0	02/24/23 11:02	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/23/23 22:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	02/23/23 22:30	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	02/23/23 22:30	
92652951011	BOW-GWA-3A					
	Performed by	Client			03/08/23 15:18	
	Collected By	Kevin Stephenson			03/08/23 15:18	
	Collected Date	02/17/23			03/08/23 15:18	
	Collected Time	10:56			03/08/23 15:18	
	pH	7.71	Std. Units		03/08/23 15:18	
EPA 6010D	Calcium	22.4	mg/L	1.0	03/02/23 17:30	
EPA 6010D	Potassium	1.3	mg/L	0.50	03/02/23 17:30	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951011	BOW-GWA-3A					
EPA 6010D	Sodium	4.2	mg/L	1.0	03/02/23 17:30	
EPA 6010D	Magnesium	11.4	mg/L	0.050	03/02/23 17:30	
EPA 6020B	Barium	0.0065	mg/L	0.0050	03/03/23 18:55	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/07/23 09:55	
SM 2540C-2015	Total Dissolved Solids	117	mg/L	25.0	02/23/23 13:39	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	100	mg/L	5.0	02/24/23 14:14	
SM 2320B-2011	Alkalinity, Total as CaCO3	100	mg/L	5.0	02/24/23 14:14	
EPA 300.0 Rev 2.1 1993	Chloride	6.3	mg/L	1.0	02/23/23 22:45	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	02/23/23 22:45	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/23/23 22:45	
92652951012	BOW-GWA-4RZ					
	Performed by	Client			03/08/23 15:19	
	Collected By	Kevin Stephenson			03/08/23 15:19	
	Collected Date	02/17/23			03/08/23 15:19	
	Collected Time	09:46			03/08/23 15:19	
	pH	6.98	Std. Units		03/08/23 15:19	
EPA 6010D	Calcium	59.4	mg/L	1.0	03/02/23 17:35	
EPA 6010D	Manganese	0.011J	mg/L	0.040	03/02/23 17:35	
EPA 6010D	Potassium	0.78	mg/L	0.50	03/02/23 17:35	
EPA 6010D	Sodium	3.3	mg/L	1.0	03/02/23 17:35	
EPA 6010D	Magnesium	24.9	mg/L	0.050	03/02/23 17:35	
EPA 6020B	Barium	0.043	mg/L	0.0050	03/03/23 19:01	
EPA 6020B	Cobalt	0.017	mg/L	0.0050	03/03/23 19:01	
SM 2540C-2015	Total Dissolved Solids	252	mg/L	25.0	02/23/23 13:39	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	241	mg/L	5.0	02/24/23 16:04	
SM 2320B-2011	Alkalinity, Total as CaCO3	241	mg/L	5.0	02/24/23 16:04	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	02/23/23 23:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	02/23/23 23:29	
EPA 300.0 Rev 2.1 1993	Sulfate	21.2	mg/L	1.0	02/23/23 23:29	
92652951013	BOW-GWC-6					
	Performed by	Client			03/08/23 15:20	
	Collected By	Kevin Stephenson			03/08/23 15:20	
	Collected Date	02/17/23			03/08/23 15:20	
	Collected Time	12:00			03/08/23 15:20	
	pH	7.11	Std. Units		03/08/23 15:20	
EPA 6010D	Calcium	15.2	mg/L	1.0	03/02/23 17:40	
EPA 6010D	Potassium	1.1	mg/L	0.50	03/02/23 17:40	
EPA 6010D	Sodium	0.92J	mg/L	1.0	03/02/23 17:40	
EPA 6010D	Magnesium	7.4	mg/L	0.050	03/02/23 17:40	
EPA 6020B	Barium	0.0067	mg/L	0.0050	03/03/23 19:07	
EPA 6020B	Chromium	0.0031J	mg/L	0.0050	03/03/23 19:07	
SM 2540C-2015	Total Dissolved Solids	75.0	mg/L	25.0	02/23/23 13:39	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	69.3	mg/L	5.0	02/24/23 14:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	69.3	mg/L	5.0	02/24/23 14:30	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/23/23 23:44	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951013	BOW-GWC-6					
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	02/23/23 23:44	
92652951014	BOW-GWC-6RZ					
	Performed by	Client			03/08/23 15:21	
	Collected By	Kevin Stephenson			03/08/23 15:21	
	Collected Date	02/17/23			03/08/23 15:21	
	Collected Time	13:28			03/08/23 15:21	
	pH	6.41	Std. Units		03/08/23 15:21	
EPA 6010D	Calcium	9.7	mg/L	1.0	03/02/23 17:44	
EPA 6010D	Manganese	0.0047J	mg/L	0.040	03/02/23 17:44	
EPA 6010D	Potassium	0.96	mg/L	0.50	03/02/23 17:44	
EPA 6010D	Sodium	1.6	mg/L	1.0	03/02/23 17:44	
EPA 6010D	Magnesium	5.0	mg/L	0.050	03/02/23 17:44	
EPA 6020B	Barium	0.0067	mg/L	0.0050	03/03/23 19:13	
EPA 6020B	Beryllium	0.000054J	mg/L	0.00050	03/03/23 19:13	
EPA 6020B	Chromium	0.0022J	mg/L	0.0050	03/03/23 19:13	
SM 2540C-2015	Total Dissolved Solids	50.0	mg/L	25.0	02/23/23 13:39	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	44.1	mg/L	5.0	02/24/23 14:37	
SM 2320B-2011	Alkalinity, Total as CaCO3	44.1	mg/L	5.0	02/24/23 14:37	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/23/23 23:59	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	02/23/23 23:59	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/23/23 23:59	
92652951015	BOW-GWC-10					
	Performed by	Client			03/08/23 15:22	
	Collected By	Kevin Stephenson			03/08/23 15:22	
	Collected Date	02/20/23			03/08/23 15:22	
	Collected Time	12:45			03/08/23 15:22	
	pH	5.39	Std. Units		03/08/23 15:22	
EPA 6010D	Calcium	9.0	mg/L	1.0	03/02/23 17:49	
EPA 6010D	Potassium	0.48J	mg/L	0.50	03/02/23 17:49	
EPA 6010D	Sodium	1.9	mg/L	1.0	03/02/23 17:49	
EPA 6010D	Magnesium	5.3	mg/L	0.050	03/02/23 17:49	
EPA 6020B	Barium	0.020	mg/L	0.0050	03/03/23 19:19	
EPA 6020B	Beryllium	0.00030J	mg/L	0.00050	03/03/23 19:19	
EPA 6020B	Cobalt	0.0026J	mg/L	0.0050	03/03/23 19:19	
EPA 6020B	Nickel	0.0019J	mg/L	0.0050	03/03/23 19:19	
EPA 7470A	Mercury	0.00028	mg/L	0.00020	03/07/23 10:05	
SM 2540C-2015	Total Dissolved Solids	47.0	mg/L	25.0	02/23/23 13:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	47.1	mg/L	5.0	02/24/23 11:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	47.1	mg/L	5.0	02/24/23 11:10	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	02/24/23 00:14	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/24/23 00:14	
92652951016	BOW-GWC-10R					
	Performed by	Client			03/08/23 15:25	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951016	BOW-GWC-10R					
	Collected By	Kevin Stephenson			03/08/23 15:25	
	Collected Date	02/20/23			03/08/23 15:25	
	Collected Time	13:45			03/08/23 15:25	
	pH	7.08	Std. Units		03/08/23 15:25	
EPA 6010D	Calcium	46.2	mg/L	1.0	03/02/23 18:04	
EPA 6010D	Potassium	0.77	mg/L	0.50	03/02/23 18:04	
EPA 6010D	Sodium	1.8	mg/L	1.0	03/02/23 18:04	
EPA 6010D	Magnesium	8.8	mg/L	0.050	03/02/23 18:04	
EPA 6020B	Barium	0.024	mg/L	0.0050	03/03/23 19:37	
EPA 7470A	Mercury	0.00030	mg/L	0.00020	03/07/23 10:13	
SM 2540C-2015	Total Dissolved Solids	154	mg/L	25.0	02/23/23 13:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	152	mg/L	5.0	02/24/23 11:18	
SM 2320B-2011	Alkalinity, Total as CaCO3	152	mg/L	5.0	02/24/23 11:18	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	02/24/23 00:29	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/24/23 00:29	
92652951017	BOW-GWC-11					
	Performed by	Client			03/08/23 15:26	
	Collected By	Kevin Stephenson			03/08/23 15:26	
	Collected Date	02/20/23			03/08/23 15:26	
	Collected Time	13:45			03/08/23 15:26	
	pH	5.52	Std. Units		03/08/23 15:26	
EPA 6010D	Calcium	7.4	mg/L	1.0	03/02/23 18:08	
EPA 6010D	Iron	0.029J	mg/L	0.040	03/02/23 18:08	
EPA 6010D	Manganese	0.020J	mg/L	0.040	03/02/23 18:08	
EPA 6010D	Potassium	0.64	mg/L	0.50	03/02/23 18:08	
EPA 6010D	Sodium	3.9	mg/L	1.0	03/02/23 18:08	
EPA 6010D	Magnesium	3.8	mg/L	0.050	03/02/23 18:08	
EPA 6020B	Barium	0.0071	mg/L	0.0050	03/03/23 19:43	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/03/23 19:43	
EPA 7470A	Mercury	0.00019J	mg/L	0.00020	03/07/23 10:16	
SM 2540C-2015	Total Dissolved Solids	98.0	mg/L	25.0	02/23/23 13:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	38.3	mg/L	5.0	02/24/23 11:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	38.3	mg/L	5.0	02/24/23 11:38	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	02/24/23 00:43	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/24/23 00:43	
92652951018	BOW-GWC-11R					
	Performed by	Client			03/08/23 15:28	
	Collected By	Kevin Stephenson			03/08/23 15:28	
	Collected Date	02/20/23			03/08/23 15:28	
	Collected Time	15:00			03/08/23 15:28	
	pH	7.20	Std. Units		03/08/23 15:28	
EPA 6010D	Calcium	32.5	mg/L	1.0	03/02/23 18:13	
EPA 6010D	Potassium	1.1	mg/L	0.50	03/02/23 18:13	
EPA 6010D	Sodium	0.91J	mg/L	1.0	03/02/23 18:13	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951018	BOW-GWC-11R					
EPA 6010D	Magnesium	17.3	mg/L	0.050	03/02/23 18:13	
EPA 6020B	Barium	0.020	mg/L	0.0050	03/03/23 19:49	
EPA 6020B	Chromium	0.0037J	mg/L	0.0050	03/03/23 19:49	
EPA 7470A	Mercury	0.00016J	mg/L	0.00020	03/07/23 10:18	
SM 2540C-2015	Total Dissolved Solids	149	mg/L	25.0	02/23/23 13:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	02/24/23 11:45	
SM 2320B-2011	Alkalinity, Total as CaCO3	148	mg/L	5.0	02/24/23 11:45	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/24/23 00:58	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/24/23 00:58	
92652951019	BOW-LF1-2-FD-11					
EPA 6010D	Calcium	7.3	mg/L	1.0	03/02/23 18:18	
EPA 6010D	Iron	0.026J	mg/L	0.040	03/02/23 18:18	
EPA 6010D	Manganese	0.026J	mg/L	0.040	03/02/23 18:18	
EPA 6010D	Potassium	0.51	mg/L	0.50	03/02/23 18:18	
EPA 6010D	Sodium	3.8	mg/L	1.0	03/02/23 18:18	
EPA 6010D	Magnesium	3.8	mg/L	0.050	03/02/23 18:18	
EPA 6020B	Barium	0.0072	mg/L	0.0050	03/03/23 19:55	
EPA 7470A	Mercury	0.00018J	mg/L	0.00020	03/07/23 10:21	
SM 2540C-2015	Total Dissolved Solids	50.0	mg/L	25.0	02/23/23 13:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	37.9	mg/L	5.0	02/24/23 11:55	
SM 2320B-2011	Alkalinity, Total as CaCO3	37.9	mg/L	5.0	02/24/23 11:55	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	02/24/23 01:43	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/24/23 01:43	
92652951020	BOW-LF1-2-FB-18					
EPA 7470A	Mercury	0.00030	mg/L	0.00020	03/07/23 10:24	
92652951021	BOW-LF1-2-FB-17					
EPA 6020B	Thallium	0.00022J	mg/L	0.0010	03/09/23 18:31	
SM 2540C-2015	Total Dissolved Solids	69.0	mg/L	25.0	02/23/23 13:40	
92652951022	BOW-GWC-8RR					
	Performed by	Client			03/08/23 15:32	
	Collected By	Kevin Stephenson			03/08/23 15:32	
	Collected Date	02/21/23			03/08/23 15:32	
	Collected Time	09:50			03/08/23 15:32	
	pH	7.88	Std. Units		03/08/23 15:32	
EPA 6010D	Calcium	18.0	mg/L	1.0	03/04/23 14:02	
EPA 6010D	Potassium	1.4	mg/L	0.50	03/04/23 14:02	
EPA 6010D	Sodium	1.5	mg/L	1.0	03/04/23 14:02	
EPA 6010D	Magnesium	8.0	mg/L	0.050	03/04/23 14:02	
EPA 6020B	Barium	0.011	mg/L	0.0050	03/09/23 18:37	
EPA 6020B	Chromium	0.0053	mg/L	0.0050	03/09/23 18:37	
SM 2540C-2015	Total Dissolved Solids	77.0	mg/L	25.0	02/27/23 12:57	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	79.7	mg/L	5.0	03/01/23 17:00	
SM 2320B-2011	Alkalinity, Total as CaCO3	79.7	mg/L	5.0	03/01/23 17:00	
EPA 300.0 Rev 2.1 1993	Chloride	0.97J	mg/L	1.0	02/25/23 16:05	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951022	BOW-GWC-8RR					
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	02/25/23 16:05	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/25/23 16:05	
92652951023	BOW-GWC-9					
	Performed by	Client			03/08/23 15:32	
	Collected By	Kevin Stephenson			03/08/23 15:32	
	Collected Date	02/21/23			03/08/23 15:32	
	Collected Time	10:55			03/08/23 15:32	
	pH	4.59	Std. Units		03/08/23 15:32	
EPA 6010D	Calcium	2.3	mg/L	1.0	03/04/23 14:06	
EPA 6010D	Manganese	0.025J	mg/L	0.040	03/04/23 14:06	
EPA 6010D	Potassium	0.93	mg/L	0.50	03/04/23 14:06	
EPA 6010D	Sodium	0.99J	mg/L	1.0	03/04/23 14:06	
EPA 6010D	Magnesium	1.1	mg/L	0.050	03/04/23 14:06	
EPA 6020B	Arsenic	0.0028J	mg/L	0.0050	03/09/23 18:43	
EPA 6020B	Barium	0.042	mg/L	0.0050	03/09/23 18:43	
EPA 6020B	Beryllium	0.00017J	mg/L	0.00050	03/09/23 18:43	
EPA 6020B	Cobalt	0.00043J	mg/L	0.0050	03/09/23 18:43	
EPA 6020B	Nickel	0.0010J	mg/L	0.0050	03/09/23 18:43	
EPA 6020B	Vanadium	0.0030J	mg/L	0.010	03/09/23 18:43	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	02/25/23 16:19	
EPA 300.0 Rev 2.1 1993	Sulfate	3.0	mg/L	1.0	02/25/23 16:19	
92652951024	BOW-GWC-12					
	Performed by	Client			03/08/23 15:33	
	Collected By	Kevin Stephenson			03/08/23 15:33	
	Collected Date	02/21/23			03/08/23 15:33	
	Collected Time	15:01			03/08/23 15:33	
	pH	6.18	Std. Units		03/08/23 15:33	
EPA 6010D	Calcium	7.9	mg/L	1.0	03/04/23 14:11	
EPA 6010D	Iron	9.3	mg/L	0.040	03/04/23 14:11	
EPA 6010D	Manganese	0.19	mg/L	0.040	03/04/23 14:11	
EPA 6010D	Potassium	1.0	mg/L	0.50	03/04/23 14:11	
EPA 6010D	Sodium	2.9	mg/L	1.0	03/04/23 14:11	
EPA 6010D	Magnesium	4.1	mg/L	0.050	03/04/23 14:11	
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	03/09/23 19:07	
EPA 6020B	Arsenic	0.0094	mg/L	0.0050	03/09/23 19:07	
EPA 6020B	Barium	0.023	mg/L	0.0050	03/09/23 19:07	
EPA 6020B	Cadmium	0.00040J	mg/L	0.00050	03/09/23 19:07	
EPA 6020B	Cobalt	0.0029J	mg/L	0.0050	03/09/23 19:07	
EPA 6020B	Nickel	0.0022J	mg/L	0.0050	03/09/23 19:07	
EPA 6020B	Vanadium	0.0034J	mg/L	0.010	03/09/23 19:07	
SM 2540C-2015	Total Dissolved Solids	42.0	mg/L	25.0	02/27/23 13:08	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	47.5	mg/L	5.0	03/01/23 17:12	
SM 2320B-2011	Alkalinity, Total as CaCO3	47.5	mg/L	5.0	03/01/23 17:12	
EPA 300.0 Rev 2.1 1993	Chloride	0.99J	mg/L	1.0	02/25/23 16:34	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	02/25/23 16:34	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951025	BOW-LF1-2-FB-19					
EPA 6020B	Arsenic	0.0024J	mg/L	0.0050	03/09/23 19:13	
EPA 6020B	Vanadium	0.0032J	mg/L	0.010	03/09/23 19:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	02/25/23 17:17	
92652951026	BOW-GWC-13					
	Performed by	Client			03/08/23 15:34	
	Collected By	Kevin Stephenson			03/08/23 15:34	
	Collected Date	02/22/2023			03/08/23 15:34	
	Collected Time	11:30			03/08/23 15:34	
	pH	6.96	Std. Units		03/08/23 15:34	
EPA 6010D	Calcium	26.3	mg/L	1.0	03/04/23 14:30	
EPA 6010D	Iron	0.12	mg/L	0.040	03/04/23 14:30	
EPA 6010D	Manganese	0.040	mg/L	0.040	03/04/23 14:30	
EPA 6010D	Potassium	1.7	mg/L	0.50	03/04/23 14:30	
EPA 6010D	Sodium	1.9	mg/L	1.0	03/04/23 14:30	
EPA 6010D	Magnesium	10.0	mg/L	0.050	03/04/23 14:30	
EPA 6020B	Barium	0.022	mg/L	0.0050	03/09/23 19:31	
EPA 6020B	Chromium	0.0038J	mg/L	0.0050	03/09/23 19:31	
EPA 6020B	Vanadium	0.0019J	mg/L	0.010	03/09/23 19:31	
SM 2540C-2015	Total Dissolved Solids	1020	mg/L	25.0	02/27/23 13:08	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	03/01/23 20:25	
SM 2320B-2011	Alkalinity, Total as CaCO3	103	mg/L	5.0	03/01/23 20:25	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	02/25/23 17:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	02/25/23 17:31	
EPA 300.0 Rev 2.1 1993	Sulfate	8.7	mg/L	1.0	02/25/23 17:31	
92652951027	BOW-GWC-13RZ					
	Performed by	Client			03/08/23 15:35	
	Collected By	Kevin Stephenson			03/08/23 15:35	
	Collected Date	02/22/23			03/08/23 15:35	
	Collected Time	10:05			03/08/23 15:35	
	pH	7.15	Std. Units		03/08/23 15:35	
EPA 6010D	Calcium	40.1	mg/L	1.0	03/04/23 14:35	
EPA 6010D	Iron	0.12	mg/L	0.040	03/04/23 14:35	
EPA 6010D	Manganese	0.0082J	mg/L	0.040	03/04/23 14:35	
EPA 6010D	Potassium	1.2	mg/L	0.50	03/04/23 14:35	
EPA 6010D	Sodium	21.3	mg/L	1.0	03/04/23 14:35	
EPA 6010D	Magnesium	17.5	mg/L	0.050	03/04/23 14:35	
EPA 6020B	Arsenic	0.0031J	mg/L	0.0050	03/09/23 19:37	
EPA 6020B	Barium	0.099	mg/L	0.0050	03/09/23 19:37	
EPA 6020B	Boron	0.013J	mg/L	0.040	03/09/23 19:37	
EPA 6020B	Chromium	0.0024J	mg/L	0.0050	03/09/23 19:37	
EPA 6020B	Copper	0.0014J	mg/L	0.0050	03/09/23 19:37	
SM 2540C-2015	Total Dissolved Solids	254	mg/L	25.0	02/27/23 13:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	03/01/23 20:34	
SM 2320B-2011	Alkalinity, Total as CaCO3	161	mg/L	5.0	03/01/23 20:34	
EPA 300.0 Rev 2.1 1993	Chloride	5.8	mg/L	1.0	02/25/23 17:46	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951027	BOW-GWC-13RZ					
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	02/25/23 17:46	
EPA 300.0 Rev 2.1 1993	Sulfate	59.7	mg/L	1.0	02/25/23 17:46	
92652951028	BOW-GWC-14Z					
	Performed by	Client			03/08/23 15:35	
	Collected By	Kevin Stephenson			03/08/23 15:35	
	Collected Date	02/22/23			03/08/23 15:35	
	Collected Time	13:12			03/08/23 15:35	
	pH	5.97	Std. Units		03/08/23 15:35	
EPA 6010D	Calcium	14.3	mg/L	1.0	03/04/23 14:40	
EPA 6010D	Manganese	0.038J	mg/L	0.040	03/04/23 14:40	
EPA 6010D	Potassium	1.1	mg/L	0.50	03/04/23 14:40	
EPA 6010D	Sodium	3.2	mg/L	1.0	03/04/23 14:40	
EPA 6010D	Magnesium	5.6	mg/L	0.050	03/04/23 14:40	
EPA 6020B	Barium	0.014	mg/L	0.0050	03/09/23 19:43	
EPA 6020B	Beryllium	0.000094J	mg/L	0.00050	03/09/23 19:43	
SM 2540C-2015	Total Dissolved Solids	65.0	mg/L	25.0	02/27/23 13:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	46.2	mg/L	5.0	03/01/23 20:45	
SM 2320B-2011	Alkalinity, Total as CaCO3	46.2	mg/L	5.0	03/01/23 20:45	
EPA 300.0 Rev 2.1 1993	Chloride	4.0	mg/L	1.0	02/25/23 18:29	
EPA 300.0 Rev 2.1 1993	Sulfate	10.7	mg/L	1.0	02/25/23 18:29	
92652951029	BOW-GWC-15R					
	Performed by	Client			03/08/23 15:36	
	Collected By	Kevin Stephenson			03/08/23 15:36	
	Collected Date	02/22/23			03/08/23 15:36	
	Collected Time	13:35			03/08/23 15:36	
	pH	7.32	Std. Units		03/08/23 15:36	
EPA 6010D	Calcium	38.1	mg/L	1.0	03/04/23 14:45	
EPA 6010D	Iron	0.080	mg/L	0.040	03/04/23 14:45	
EPA 6010D	Potassium	0.98	mg/L	0.50	03/04/23 14:45	
EPA 6010D	Sodium	1.0J	mg/L	1.0	03/04/23 14:45	
EPA 6010D	Magnesium	19.3	mg/L	0.050	03/04/23 14:45	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/09/23 19:49	
SM 2540C-2015	Total Dissolved Solids	174	mg/L	25.0	02/27/23 13:10	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	03/01/23 20:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	171	mg/L	5.0	03/01/23 20:52	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/25/23 18:44	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	02/25/23 18:44	
EPA 300.0 Rev 2.1 1993	Sulfate	7.5	mg/L	1.0	02/25/23 18:44	
92652951030	BOW-GWC-15Z					
	Performed by	Client			03/08/23 15:37	
	Collected By	Kevin Stephenson			03/08/23 15:37	
	Collected Date	02/22/23			03/08/23 15:37	
	Collected Time	10:45			03/08/23 15:37	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951030	BOW-GWC-15Z					
	pH	7.49	Std. Units		03/08/23 15:37	
EPA 6010D	Calcium	24.4	mg/L	1.0	03/04/23 14:50	
EPA 6010D	Potassium	0.89	mg/L	0.50	03/04/23 14:50	
EPA 6010D	Sodium	2.0	mg/L	1.0	03/04/23 14:50	
EPA 6010D	Magnesium	13.3	mg/L	0.050	03/04/23 14:50	
EPA 6020B	Barium	0.010	mg/L	0.0050	03/09/23 19:55	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	03/09/23 19:55	
SM 2540C-2015	Total Dissolved Solids	111	mg/L	25.0	02/27/23 13:11	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	03/01/23 21:03	
SM 2320B-2011	Alkalinity, Total as CaCO3	124	mg/L	5.0	03/01/23 21:03	
EPA 300.0 Rev 2.1 1993	Chloride	0.83J	mg/L	1.0	02/25/23 18:58	
EPA 300.0 Rev 2.1 1993	Sulfate	0.81J	mg/L	1.0	02/25/23 18:58	
92652951031	BOW-LF1-2-FB-20					
EPA 6010D	Potassium	0.37J	mg/L	0.50	03/04/23 14:59	
92652951032	BOW-LF1-2-FD-12					
EPA 6010D	Calcium	24.7	mg/L	1.0	03/04/23 14:55	
EPA 6010D	Iron	0.027J	mg/L	0.040	03/04/23 14:55	
EPA 6010D	Potassium	0.99	mg/L	0.50	03/04/23 14:55	
EPA 6010D	Sodium	2.3	mg/L	1.0	03/04/23 14:55	
EPA 6010D	Magnesium	13.5	mg/L	0.050	03/04/23 14:55	
EPA 6020B	Barium	0.010	mg/L	0.0050	03/09/23 20:00	
SM 2540C-2015	Total Dissolved Solids	112	mg/L	25.0	02/27/23 13:13	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	03/01/23 21:17	
SM 2320B-2011	Alkalinity, Total as CaCO3	124	mg/L	5.0	03/01/23 21:17	
EPA 300.0 Rev 2.1 1993	Chloride	0.82J	mg/L	1.0	02/25/23 19:27	
EPA 300.0 Rev 2.1 1993	Sulfate	0.80J	mg/L	1.0	02/25/23 19:27	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWA-1	Lab ID: 92652951001	Collected: 02/16/23 12:34	Received: 02/17/23 12:15	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:09		
Collected By	Kevin Stephens				1		03/08/23 15:09		
Collected Date	02/16/23				1		03/08/23 15:09		
Collected Time	12:34				1		03/08/23 15:09		
pH	7.39	Std. Units			1		03/08/23 15:09		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 16:11	7440-66-6	
Calcium	33.3	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 16:11	7440-70-2	
Iron	0.069	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 16:11	7439-89-6	
Manganese	0.11	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 16:11	7439-96-5	
Potassium	1.2	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 16:11	7440-09-7	
Sodium	6.0	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 16:11	7440-23-5	
Magnesium	16.3	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 16:11	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.016	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 17:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 17:26	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 17:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 17:26	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 17:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 17:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 17:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 17:26	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 17:26	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 17:26	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 17:26	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 17:26	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 17:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 17:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 17:26	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00017J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:15	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	152	mg/L	25.0	25.0	1		02/23/23 13:37		D6

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-1 **Lab ID: 92652951001** Collected: 02/16/23 12:34 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	162	mg/L	5.0	5.0	1		02/23/23 19:54		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 19:54		
Alkalinity, Total as CaCO ₃	162	mg/L	5.0	5.0	1		02/23/23 19:54		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		02/22/23 00:03	16887-00-6	
Fluoride	0.070J	mg/L	0.10	0.050	1		02/22/23 00:03	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		02/22/23 00:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWA-2	Lab ID: 92652951002	Collected: 02/16/23 14:35	Received: 02/17/23 12:15	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:11		
Collected By	Kevin Stephens				1		03/08/23 15:11		
Collected Date	02/16/23				1		03/08/23 15:11		
Collected Time	14:35				1		03/08/23 15:11		
pH	6.56	Std. Units			1		03/08/23 15:11		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 16:16	7440-66-6	
Calcium	60.5	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 16:16	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 16:16	7439-89-6	
Manganese	0.021J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 16:16	7439-96-5	
Potassium	0.91	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 16:16	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 16:16	7440-23-5	
Magnesium	16.0	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 16:16	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 17:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 17:32	7440-38-2	
Barium	0.029	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 17:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 17:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 17:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 17:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 17:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 17:32	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 17:32	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 17:32	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 17:32	7440-02-0	
Selenium	0.0014J	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 17:32	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 17:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 17:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 17:32	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:26	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	267	mg/L	25.0	25.0	1		02/23/23 13:37		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-2 **Lab ID: 92652951002** Collected: 02/16/23 14:35 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	89.3	mg/L	5.0	5.0	1		02/23/23 20:04		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 20:04		
Alkalinity, Total as CaCO ₃	89.3	mg/L	5.0	5.0	1		02/23/23 20:04		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		02/22/23 00:18	16887-00-6	
Fluoride	0.061J	mg/L	0.10	0.050	1		02/22/23 00:18	16984-48-8	
Sulfate	115	mg/L	2.0	1.0	2		02/22/23 10:34	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWA-2R	Lab ID: 92652951003	Collected: 02/16/23 15:26	Received: 02/17/23 12:15	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:12		
Collected By	Kevin Stephens				1		03/08/23 15:12		
Collected Date	02/16/23				1		03/08/23 15:12		
Collected Time	15:26				1		03/08/23 15:12		
pH	7.02	Std. Units			1		03/08/23 15:12		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 16:21	7440-66-6	
Calcium	51.6	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 16:21	7440-70-2	
Iron	0.48	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 16:21	7439-89-6	
Manganese	0.11	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 16:21	7439-96-5	
Potassium	0.61	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 16:21	7440-09-7	
Sodium	2.7	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 16:21	7440-23-5	
Magnesium	10.9	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 16:21	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0048	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 17:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 17:56	7440-38-2	
Barium	0.028	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 17:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 17:56	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 17:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 17:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 17:56	7440-47-3	
Cobalt	0.00065J	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 17:56	7440-48-4	
Copper	0.0011J	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 17:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 17:56	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 17:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 17:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 17:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 17:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 17:56	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:28	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	197	mg/L	25.0	25.0	1		02/23/23 13:38		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWA-2R Lab ID: 92652951003 Collected: 02/16/23 15:26 Received: 02/17/23 12:15 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	134	mg/L	5.0	5.0	1		02/23/23 20:13		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 20:13		
Alkalinity, Total as CaCO ₃	134	mg/L	5.0	5.0	1		02/23/23 20:13		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		02/22/23 01:03	16887-00-6	
Fluoride	0.079J	mg/L	0.10	0.050	1		02/22/23 01:03	16984-48-8	
Sulfate	38.9	mg/L	1.0	0.50	1		02/22/23 01:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWA-50	Lab ID: 92652951004	Collected: 02/16/23 13:45	Received: 02/17/23 12:15	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:13		
Collected By	Kevin Stephens				1		03/08/23 15:13		
Collected Date	02/16/23				1		03/08/23 15:13		
Collected Time	13:45				1		03/08/23 15:13		
pH	4.95	Std. Units			1		03/08/23 15:13		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 16:39	7440-66-6	
Calcium	1.4	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 16:39	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 16:39	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 16:39	7439-96-5	
Potassium	0.27J	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 16:39	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 16:39	7440-23-5	
Magnesium	0.29	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 16:39	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:02	7440-38-2	
Barium	0.0067	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:02	7440-48-4	
Copper	0.0015J	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:02	7439-92-1	
Nickel	0.00082J	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:02	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/23/23 13:38		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-50 **Lab ID: 92652951004** Collected: 02/16/23 13:45 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 20:22		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 20:22		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/23/23 20:22		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.91J	mg/L	1.0	0.60	1		02/22/23 01:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/23 01:18	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/22/23 01:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWA-50R **Lab ID: 92652951005** Collected: 02/16/23 15:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:14		
Collected By	Kevin Stephens				1		03/08/23 15:14		
Collected Date	02/16/23				1		03/08/23 15:14		
Collected Time	15:00				1		03/08/23 15:14		
pH	4.73	Std. Units			1		03/08/23 15:14		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 16:44	7440-66-6	
Calcium	0.81J	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 16:44	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 16:44	7439-89-6	
Manganese	0.014J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 16:44	7439-96-5	
Potassium	0.25J	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 16:44	7440-09-7	
Sodium	0.89J	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 16:44	7440-23-5	
Magnesium	0.33	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 16:44	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:07	7440-38-2	
Barium	0.0081	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:07	7440-48-4	
Copper	0.0028J	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:07	7439-92-1	
Nickel	0.00081J	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:07	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:07	7782-49-2	
Silver	0.0011J	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:07	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:07	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:34	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/23/23 13:38		
------------------------	----	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-50R **Lab ID: 92652951005** Collected: 02/16/23 15:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:37		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/23/23 20:37		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.71J	mg/L	1.0	0.60	1		02/22/23 01:33	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/23 01:33	16984-48-8	
Sulfate	0.58J	mg/L	1.0	0.50	1		02/22/23 01:33	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-LF1-2-FD-10 Lab ID: 92652951006 Collected: 02/16/23 00:00 Received: 02/17/23 12:15 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:06	7440-66-6	
Calcium	0.81J	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:06	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:06	7439-89-6	
Manganese	0.015J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:06	7439-96-5	
Potassium	0.23J	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:06	7440-09-7	
Sodium	0.89J	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:06	7440-23-5	
Magnesium	0.34	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:06	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:25	7440-38-2	
Barium	0.0080	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:25	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:25	7440-48-4	
Copper	0.0028J	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:25	7439-92-1	
Nickel	0.00088J	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:25	7782-49-2	
Silver	0.0010J	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:42	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	46.0	mg/L	25.0	25.0	1		02/23/23 13:38		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 20:42		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 20:42		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/23/23 20:42		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.74J	mg/L	1.0	0.60	1		02/22/23 02:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/23 02:17	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FD-10		Lab ID: 92652951006		Collected: 02/16/23 00:00	Received: 02/17/23 12:15	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Sulfate	0.57J	mg/L	1.0	0.50	1		02/22/23 02:17	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-16	Lab ID: 92652951007	Collected: 02/16/23 14:50	Received: 02/17/23 12:15	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:10	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:10	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:10	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:10	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:10	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:10	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:10	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:44	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	33.0	mg/L	25.0	25.0	1		02/23/23 13:38		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 20:58		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 20:58		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/23/23 20:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/22/23 03:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/23 03:02	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-16 **Lab ID: 92652951007** Collected: 02/16/23 14:50 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/22/23 03:02	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWC-5		Lab ID: 92652951008		Collected: 02/20/23 11:11		Received: 02/21/23 16:51		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:15		
Collected By	Kevin Stephens				1		03/08/23 15:15		
Collected Date	02/20/23				1		03/08/23 15:15		
Collected Time	11:11				1		03/08/23 15:15		
pH	5.78	Std. Units			1		03/08/23 15:15		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.032	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:15	7440-66-6	
Calcium	3.5	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:15	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:15	7439-89-6	
Manganese	0.025J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:15	7439-96-5	
Potassium	1.6	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:15	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:15	7440-23-5	
Magnesium	0.25	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:15	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:37	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:37	7440-39-3	
Beryllium	0.00060	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:37	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:37	7440-48-4	
Copper	0.023	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:37	7439-92-1	
Nickel	0.0087	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:37	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:47	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	53.0	mg/L	25.0	25.0	1		02/23/23 13:40		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-5 **Lab ID: 92652951008** Collected: 02/20/23 11:11 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	11.4	mg/L	5.0	5.0	1		02/24/23 10:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 10:48		
Alkalinity, Total as CaCO3	11.4	mg/L	5.0	5.0	1		02/24/23 10:48		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.88J	mg/L	1.0	0.60	1		02/23/23 21:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/23/23 21:31	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		02/23/23 21:31	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWC-7Z	Lab ID: 92652951009	Collected: 02/20/23 12:37	Received: 02/21/23 16:51	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:16		
Collected By	Kevin Stephens				1		03/08/23 15:16		
Collected Date	02/20/23				1		03/08/23 15:16		
Collected Time	12:37				1		03/08/23 15:16		
pH	7.40	Std. Units			1		03/08/23 15:16		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:20	7440-66-6	
Calcium	26.1	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:20	7440-70-2	
Iron	0.15	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:20	7439-89-6	
Manganese	0.067	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:20	7439-96-5	
Potassium	0.81	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:20	7440-09-7	
Sodium	2.6	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:20	7440-23-5	
Magnesium	13.2	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:20	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0012J	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:43	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:43	7440-43-9	
Chromium	0.0012J	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:43	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:43	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:49	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	122	mg/L	25.0	25.0	1		02/23/23 13:41		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-7Z **Lab ID: 92652951009** Collected: 02/20/23 12:37 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	124	mg/L	5.0	5.0	1		02/24/23 10:53		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 10:53		
Alkalinity, Total as CaCO ₃	124	mg/L	5.0	5.0	1		02/24/23 10:53		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.94J	mg/L	1.0	0.60	1		02/23/23 21:46	16887-00-6	
Fluoride	0.057J	mg/L	0.10	0.050	1		02/23/23 21:46	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/23/23 21:46	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWC-8Z **Lab ID: 92652951010** Collected: 02/20/23 14:46 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:17		
Collected By	Kevin Stephens				1		03/08/23 15:17		
Collected Date	02/20/23				1		03/08/23 15:17		
Collected Time	14:46				1		03/08/23 15:17		
pH	6.87	Std. Units			1		03/08/23 15:17		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:25	7440-66-6	
Calcium	18.5	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:25	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:25	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:25	7439-96-5	
Potassium	1.7	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:25	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:25	7440-23-5	
Magnesium	7.1	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:25	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:49	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:49	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:49	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:52	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	86.0	mg/L	25.0	25.0	1		02/23/23 13:41		
------------------------	-------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-8Z **Lab ID: 92652951010** Collected: 02/20/23 14:46 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	75.3	mg/L	5.0	5.0	1		02/24/23 11:02		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 11:02		
Alkalinity, Total as CaCO ₃	75.3	mg/L	5.0	5.0	1		02/24/23 11:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		02/23/23 22:30	16887-00-6	
Fluoride	0.061J	mg/L	0.10	0.050	1		02/23/23 22:30	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		02/23/23 22:30	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-3A **Lab ID: 92652951011** Collected: 02/17/23 10:56 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:18		
Collected By	Kevin Stephens				1		03/08/23 15:18		
Collected Date	02/17/23				1		03/08/23 15:18		
Collected Time	10:56				1		03/08/23 15:18		
pH	7.71	Std. Units			1		03/08/23 15:18		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:30	7440-66-6	
Calcium	22.4	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:30	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:30	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:30	7439-96-5	
Potassium	1.3	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:30	7440-09-7	
Sodium	4.2	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:30	7440-23-5	
Magnesium	11.4	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:30	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:55	7440-38-2	
Barium	0.0065	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:55	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:55	7439-97-6	
---------	-----------------	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	117	mg/L	25.0	25.0	1		02/23/23 13:39		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-3A **Lab ID: 92652951011** Collected: 02/17/23 10:56 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	100	mg/L	5.0	5.0	1		02/24/23 14:14		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 14:14		
Alkalinity, Total as CaCO ₃	100	mg/L	5.0	5.0	1		02/24/23 14:14		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	6.3	mg/L	1.0	0.60	1		02/23/23 22:45	16887-00-6	
Fluoride	0.055J	mg/L	0.10	0.050	1		02/23/23 22:45	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/23/23 22:45	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-GWA-4RZ Lab ID: 92652951012 Collected: 02/17/23 09:46 Received: 02/21/23 16:51 Matrix: Water									
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:19		
Collected By	Kevin Stephens				1		03/08/23 15:19		
Collected Date	02/17/23				1		03/08/23 15:19		
Collected Time	09:46				1		03/08/23 15:19		
pH	6.98	Std. Units			1		03/08/23 15:19		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:35	7440-66-6	
Calcium	59.4	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:35	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:35	7439-89-6	
Manganese	0.011J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:35	7439-96-5	
Potassium	0.78	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:35	7440-09-7	
Sodium	3.3	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:35	7440-23-5	
Magnesium	24.9	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:35	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:01	7440-38-2	
Barium	0.043	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:01	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:01	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:01	7440-47-3	
Cobalt	0.017	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:01	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:01	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:01	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:01	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:01	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:01	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:01	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:01	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:57	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	252	mg/L	25.0	25.0	1		02/23/23 13:39		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-4RZ **Lab ID: 92652951012** Collected: 02/17/23 09:46 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	241	mg/L	5.0	5.0	1		02/24/23 16:04		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 16:04		
Alkalinity, Total as CaCO ₃	241	mg/L	5.0	5.0	1		02/24/23 16:04		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.0	mg/L	1.0	0.60	1		02/23/23 23:29	16887-00-6	
Fluoride	0.11	mg/L	0.10	0.050	1		02/23/23 23:29	16984-48-8	
Sulfate	21.2	mg/L	1.0	0.50	1		02/23/23 23:29	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-6 **Lab ID: 92652951013** Collected: 02/17/23 12:00 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:20		
Collected By	Kevin Stephens				1		03/08/23 15:20		
Collected Date	02/17/23				1		03/08/23 15:20		
Collected Time	12:00				1		03/08/23 15:20		
pH	7.11	Std. Units			1		03/08/23 15:20		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:40	7440-66-6	
Calcium	15.2	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:40	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:40	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:40	7439-96-5	
Potassium	1.1	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:40	7440-09-7	
Sodium	0.92J	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:40	7440-23-5	
Magnesium	7.4	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:40	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:07	7440-38-2	
Barium	0.0067	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:07	7440-43-9	
Chromium	0.0031J	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:07	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:07	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:07	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:07	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:07	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:07	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:00	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	75.0	mg/L	25.0	25.0	1		02/23/23 13:39		
------------------------	-------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-6 **Lab ID: 92652951013** Collected: 02/17/23 12:00 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	69.3	mg/L	5.0	5.0	1		02/24/23 14:30		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 14:30		
Alkalinity, Total as CaCO ₃	69.3	mg/L	5.0	5.0	1		02/24/23 14:30		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		02/23/23 23:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/23/23 23:44	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		02/23/23 23:44	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWC-6RZ **Lab ID: 92652951014** Collected: 02/17/23 13:28 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:21		
Collected By	Kevin Stephens				1		03/08/23 15:21		
Collected Date	02/17/23				1		03/08/23 15:21		
Collected Time	13:28				1		03/08/23 15:21		
pH	6.41	Std. Units			1		03/08/23 15:21		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:44	7440-66-6	
Calcium	9.7	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:44	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:44	7439-89-6	
Manganese	0.0047J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:44	7439-96-5	
Potassium	0.96	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:44	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:44	7440-23-5	
Magnesium	5.0	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:44	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:13	7440-38-2	
Barium	0.0067	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:13	7440-39-3	
Beryllium	0.000054J	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:13	7440-43-9	
Chromium	0.0022J	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:13	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:13	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:03	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	50.0	mg/L	25.0	25.0	1		02/23/23 13:39		D6
------------------------	-------------	------	------	------	---	--	----------------	--	----

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-6RZ **Lab ID: 92652951014** Collected: 02/17/23 13:28 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	44.1	mg/L	5.0	5.0	1		02/24/23 14:37		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 14:37		
Alkalinity, Total as CaCO ₃	44.1	mg/L	5.0	5.0	1		02/24/23 14:37		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		02/23/23 23:59	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		02/23/23 23:59	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		02/23/23 23:59	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWC-10		Lab ID: 92652951015		Collected: 02/20/23 12:45		Received: 02/21/23 16:51		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:22		
Collected By	Kevin Stephens				1		03/08/23 15:22		
Collected Date	02/20/23				1		03/08/23 15:22		
Collected Time	12:45				1		03/08/23 15:22		
pH	5.39	Std. Units			1		03/08/23 15:22		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:49	7440-66-6	
Calcium	9.0	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:49	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:49	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:49	7439-96-5	
Potassium	0.48J	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:49	7440-09-7	
Sodium	1.9	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:49	7440-23-5	
Magnesium	5.3	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:49	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:19	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:19	7440-39-3	
Beryllium	0.00030J	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:19	7440-47-3	
Cobalt	0.0026J	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:19	7439-92-1	
Nickel	0.0019J	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:19	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00028	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:05	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	47.0	mg/L	25.0	25.0	1		02/23/23 13:42		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-10 **Lab ID: 92652951015** Collected: 02/20/23 12:45 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	47.1	mg/L	5.0	5.0	1		02/24/23 11:10		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 11:10		
Alkalinity, Total as CaCO ₃	47.1	mg/L	5.0	5.0	1		02/24/23 11:10		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		02/24/23 00:14	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 00:14	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/24/23 00:14	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-10R **Lab ID: 92652951016** Collected: 02/20/23 10:40 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:25		
Collected By	Kevin Stephens				1		03/08/23 15:25		
Collected Date	02/20/23				1		03/08/23 15:25		
Collected Time	13:45				1		03/08/23 15:25		
pH	7.08	Std. Units			1		03/08/23 15:25		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 18:04	7440-66-6	
Calcium	46.2	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 18:04	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 18:04	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 18:04	7439-96-5	
Potassium	0.77	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 18:04	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 18:04	7440-23-5	
Magnesium	8.8	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 18:04	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:37	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:37	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:37	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00030	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:13	7439-97-6	
---------	----------------	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	154	mg/L	25.0	25.0	1		02/23/23 13:42		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-10R **Lab ID: 92652951016** Collected: 02/20/23 10:40 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	152	mg/L	5.0	5.0	1		02/24/23 11:18		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 11:18		
Alkalinity, Total as CaCO ₃	152	mg/L	5.0	5.0	1		02/24/23 11:18		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		02/24/23 00:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 00:29	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/24/23 00:29	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWC-11	Lab ID: 92652951017	Collected: 02/20/23 13:45	Received: 02/21/23 16:51	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:26		
Collected By	Kevin Stephens				1		03/08/23 15:26		
Collected Date	02/20/23				1		03/08/23 15:26		
Collected Time	13:45				1		03/08/23 15:26		
pH	5.52	Std. Units			1		03/08/23 15:26		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 18:08	7440-66-6	
Calcium	7.4	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 18:08	7440-70-2	
Iron	0.029J	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 18:08	7439-89-6	
Manganese	0.020J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 18:08	7439-96-5	
Potassium	0.64	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 18:08	7440-09-7	
Sodium	3.9	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 18:08	7440-23-5	
Magnesium	3.8	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 18:08	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:43	7440-38-2	
Barium	0.0071	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:43	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:43	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:43	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00019J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:16	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	98.0	mg/L	25.0	25.0	1		02/23/23 13:42		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWC-11 Lab ID: 92652951017 Collected: 02/20/23 13:45 Received: 02/21/23 16:51 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	38.3	mg/L	5.0	5.0	1		02/24/23 11:38		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 11:38		
Alkalinity, Total as CaCO ₃	38.3	mg/L	5.0	5.0	1		02/24/23 11:38		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		02/24/23 00:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 00:43	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/24/23 00:43	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWC-11R	Lab ID: 92652951018	Collected: 02/20/23 15:00	Received: 02/21/23 16:51	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:28		
Collected By	Kevin Stephens				1		03/08/23 15:28		
Collected Date	02/20/23				1		03/08/23 15:28		
Collected Time	15:00				1		03/08/23 15:28		
pH	7.20	Std. Units			1		03/08/23 15:28		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 18:13	7440-66-6	
Calcium	32.5	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 18:13	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 18:13	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 18:13	7439-96-5	
Potassium	1.1	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 18:13	7440-09-7	
Sodium	0.91J	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 18:13	7440-23-5	
Magnesium	17.3	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 18:13	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:49	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:49	7440-43-9	
Chromium	0.0037J	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:49	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:49	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00016J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:18	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	149	mg/L	25.0	25.0	1		02/23/23 13:42		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-11R **Lab ID: 92652951018** Collected: 02/20/23 15:00 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	148	mg/L	5.0	5.0	1		02/24/23 11:45		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 11:45		
Alkalinity, Total as CaCO ₃	148	mg/L	5.0	5.0	1		02/24/23 11:45		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		02/24/23 00:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 00:58	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		02/24/23 00:58	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-LF1-2-FD-11 Lab ID: 92652951019 Collected: 02/20/23 00:00 Received: 02/21/23 16:51 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 18:18	7440-66-6	
Calcium	7.3	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 18:18	7440-70-2	
Iron	0.026J	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 18:18	7439-89-6	
Manganese	0.026J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 18:18	7439-96-5	
Potassium	0.51	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 18:18	7440-09-7	
Sodium	3.8	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 18:18	7440-23-5	
Magnesium	3.8	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 18:18	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:55	7440-38-2	
Barium	0.0072	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:55	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00018J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	50.0	mg/L	25.0	25.0	1		02/23/23 13:44		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	37.9	mg/L	5.0	5.0	1		02/24/23 11:55		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 11:55		
Alkalinity, Total as CaCO ₃	37.9	mg/L	5.0	5.0	1		02/24/23 11:55		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		02/24/23 01:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 01:43	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-LF1-2-FD-11 Lab ID: 92652951019 Collected: 02/20/23 00:00 Received: 02/21/23 16:51 Matrix: Water									
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.7	mg/L	1.0	0.50	1		02/24/23 01:43	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-18 Lab ID: 92652951020 Collected: 02/20/23 15:45 Received: 02/21/23 16:51 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 18:23	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 18:23	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 18:23	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 18:23	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 18:23	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 18:23	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 18:23	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 20:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 20:01	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 20:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 20:01	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 20:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 20:01	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 20:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 20:01	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 20:01	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 20:01	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 20:01	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 20:01	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 20:01	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 20:01	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 20:01	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00030	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:24	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/24/23 14:20		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 15:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 15:51		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		03/01/23 15:51		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/24/23 02:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 02:57	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-18 Lab ID: 92652951020 Collected: 02/20/23 15:45 Received: 02/21/23 16:51 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/24/23 02:57	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-17 Lab ID: 92652951021 Collected: 02/17/23 11:45 Received: 02/21/23 16:51 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 13:42	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 13:42	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 13:42	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 13:42	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 13:42	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 13:42	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 13:42	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 18:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 18:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 18:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 18:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 18:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 18:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 18:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 18:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 18:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 18:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 18:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 18:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 18:31	7440-22-4	
Thallium	0.00022J	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 18:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 18:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:11	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	69.0	mg/L	25.0	25.0	1		02/23/23 13:40		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 14:44		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 14:44		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/24/23 14:44		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/24/23 03:11	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 03:11	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-17 **Lab ID: 92652951021** Collected: 02/17/23 11:45 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/24/23 03:11	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-GWC-8RR **Lab ID: 92652951022** Collected: 02/21/23 09:50 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:32		
Collected By	Kevin Stephens				1		03/08/23 15:32		
Collected Date	02/21/23				1		03/08/23 15:32		
Collected Time	09:50				1		03/08/23 15:32		
pH	7.88	Std. Units			1		03/08/23 15:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:02	7440-66-6	
Calcium	18.0	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:02	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:02	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:02	7439-96-5	
Potassium	1.4	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:02	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:02	7440-23-5	
Magnesium	8.0	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:02	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 18:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 18:37	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 18:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 18:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 18:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 18:37	7440-43-9	
Chromium	0.0053	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 18:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 18:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 18:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 18:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 18:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 18:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 18:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 18:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 18:37	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:13	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	77.0	mg/L	25.0	25.0	1		02/27/23 12:57		
------------------------	-------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-8RR **Lab ID: 92652951022** Collected: 02/21/23 09:50 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	79.7	mg/L	5.0	5.0	1		03/01/23 17:00		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 17:00		
Alkalinity, Total as CaCO ₃	79.7	mg/L	5.0	5.0	1		03/01/23 17:00		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.97J	mg/L	1.0	0.60	1		02/25/23 16:05	16887-00-6	
Fluoride	0.057J	mg/L	0.10	0.050	1		02/25/23 16:05	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/25/23 16:05	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-9 **Lab ID: 92652951023** Collected: 02/21/23 10:55 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:32		
Collected By	Kevin Stephens				1		03/08/23 15:32		
Collected Date	02/21/23				1		03/08/23 15:32		
Collected Time	10:55				1		03/08/23 15:32		
pH	4.59	Std. Units			1		03/08/23 15:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:06	7440-66-6	
Calcium	2.3	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:06	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:06	7439-89-6	
Manganese	0.025J	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:06	7439-96-5	
Potassium	0.93	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:06	7440-09-7	
Sodium	0.99J	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:06	7440-23-5	
Magnesium	1.1	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:06	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 18:43	7440-36-0	
Arsenic	0.0028J	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 18:43	7440-38-2	
Barium	0.042	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 18:43	7440-39-3	
Beryllium	0.00017J	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 18:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 18:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 18:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 18:43	7440-47-3	
Cobalt	0.00043J	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 18:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 18:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 18:43	7439-92-1	
Nickel	0.0010J	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 18:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 18:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 18:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 18:43	7440-28-0	
Vanadium	0.0030J	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 18:43	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:16	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/27/23 12:59		
------------------------	----	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-9 **Lab ID: 92652951023** Collected: 02/21/23 10:55 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 17:07		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 17:07		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		03/01/23 17:07		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	2.1	mg/L	1.0	0.60	1		02/25/23 16:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/23 16:19	16984-48-8	
Sulfate	3.0	mg/L	1.0	0.50	1		02/25/23 16:19	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-GWC-12									
Lab ID: 92652951024									
Collected: 02/21/23 15:01									
Received: 02/23/23 09:34									
Matrix: Water									
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/08/23 15:33		
Collected By	Kevin Stephens				1		03/08/23 15:33		
Collected Date	02/21/23				1		03/08/23 15:33		
Collected Time	15:01				1		03/08/23 15:33		
pH	6.18	Std. Units			1		03/08/23 15:33		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:11	7440-66-6	
Calcium	7.9	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:11	7440-70-2	
Iron	9.3	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:11	7439-89-6	
Manganese	0.19	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:11	7439-96-5	
Potassium	1.0	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:11	7440-09-7	
Sodium	2.9	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:11	7440-23-5	
Magnesium	4.1	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:11	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0017J	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:07	7440-36-0	
Arsenic	0.0094	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:07	7440-38-2	
Barium	0.023	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:07	7440-42-8	
Cadmium	0.00040J	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:07	7440-47-3	
Cobalt	0.0029J	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:07	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:07	7439-92-1	
Nickel	0.0022J	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:07	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:07	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:07	7440-28-0	
Vanadium	0.0034J	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:07	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:19	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	42.0	mg/L	25.0	25.0	1		02/27/23 13:08		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-12 **Lab ID: 92652951024** Collected: 02/21/23 15:01 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	47.5	mg/L	5.0	5.0	1		03/01/23 17:12		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 17:12		
Alkalinity, Total as CaCO ₃	47.5	mg/L	5.0	5.0	1		03/01/23 17:12		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.99J	mg/L	1.0	0.60	1		02/25/23 16:34	16887-00-6	
Fluoride	0.054J	mg/L	0.10	0.050	1		02/25/23 16:34	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/25/23 16:34	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-19 Lab ID: 92652951025 Collected: 02/21/23 15:40 Received: 02/23/23 09:34 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:16	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:16	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:16	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:16	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:16	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:16	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:16	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:13	7440-36-0	
Arsenic	0.0024J	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:13	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:13	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:13	7440-28-0	
Vanadium	0.0032J	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:13	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/27/23 13:08		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 19:10		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 19:10		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		03/01/23 19:10		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/25/23 17:17	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		02/25/23 17:17	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-19 **Lab ID: 92652951025** Collected: 02/21/23 15:40 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/25/23 17:17	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-13 **Lab ID: 92652951026** Collected: 02/22/23 11:30 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:34		
Collected By	Kevin Stephens				1		03/08/23 15:34		
Collected Date	02/22/2023				1		03/08/23 15:34		
Collected Time	11:30				1		03/08/23 15:34		
pH	6.96	Std. Units			1		03/08/23 15:34		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:30	7440-66-6	
Calcium	26.3	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:30	7440-70-2	
Iron	0.12	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:30	7439-89-6	
Manganese	0.040	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:30	7439-96-5	
Potassium	1.7	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:30	7440-09-7	
Sodium	1.9	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:30	7440-23-5	
Magnesium	10.0	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:30	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:31	7440-38-2	
Barium	0.022	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:31	7440-43-9	
Chromium	0.0038J	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:31	7440-28-0	
Vanadium	0.0019J	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:31	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:24	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	1020	mg/L	25.0	25.0	1		02/27/23 13:08		
------------------------	-------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-13 **Lab ID: 92652951026** Collected: 02/22/23 11:30 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	103	mg/L	5.0	5.0	1		03/01/23 20:25		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 20:25		
Alkalinity, Total as CaCO ₃	103	mg/L	5.0	5.0	1		03/01/23 20:25		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.2	mg/L	1.0	0.60	1		02/25/23 17:31	16887-00-6	
Fluoride	0.060J	mg/L	0.10	0.050	1		02/25/23 17:31	16984-48-8	
Sulfate	8.7	mg/L	1.0	0.50	1		02/25/23 17:31	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-13RZ **Lab ID: 92652951027** Collected: 02/22/23 10:05 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:35		
Collected By	Kevin Stephens				1		03/08/23 15:35		
Collected Date	02/22/23				1		03/08/23 15:35		
Collected Time	10:05				1		03/08/23 15:35		
pH	7.15	Std. Units			1		03/08/23 15:35		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:35	7440-66-6	
Calcium	40.1	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:35	7440-70-2	
Iron	0.12	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:35	7439-89-6	
Manganese	0.0082J	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:35	7439-96-5	
Potassium	1.2	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:35	7440-09-7	
Sodium	21.3	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:35	7440-23-5	
Magnesium	17.5	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:35	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:37	7440-36-0	
Arsenic	0.0031J	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:37	7440-38-2	
Barium	0.099	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:37	7440-41-7	
Boron	0.013J	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:37	7440-43-9	
Chromium	0.0024J	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:37	7440-48-4	
Copper	0.0014J	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:37	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:27	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	254	mg/L	25.0	25.0	1		02/27/23 13:09		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-13RZ **Lab ID: 92652951027** Collected: 02/22/23 10:05 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	161	mg/L	5.0	5.0	1		03/01/23 20:34		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 20:34		
Alkalinity, Total as CaCO ₃	161	mg/L	5.0	5.0	1		03/01/23 20:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.8	mg/L	1.0	0.60	1		02/25/23 17:46	16887-00-6	
Fluoride	0.15	mg/L	0.10	0.050	1		02/25/23 17:46	16984-48-8	
Sulfate	59.7	mg/L	1.0	0.50	1		02/25/23 17:46	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-14Z **Lab ID: 92652951028** Collected: 02/22/23 13:12 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:35		
Collected By	Kevin Stephens				1		03/08/23 15:35		
Collected Date	02/22/23				1		03/08/23 15:35		
Collected Time	13:12				1		03/08/23 15:35		
pH	5.97	Std. Units			1		03/08/23 15:35		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:40	7440-66-6	
Calcium	14.3	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:40	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:40	7439-89-6	
Manganese	0.038J	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:40	7439-96-5	
Potassium	1.1	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:40	7440-09-7	
Sodium	3.2	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:40	7440-23-5	
Magnesium	5.6	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:40	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:43	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:43	7440-39-3	
Beryllium	0.00094J	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:43	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:43	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:29	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	65.0	mg/L	25.0	25.0	1		02/27/23 13:09		
------------------------	-------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-14Z **Lab ID: 92652951028** Collected: 02/22/23 13:12 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	46.2	mg/L	5.0	5.0	1		03/01/23 20:45		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 20:45		
Alkalinity, Total as CaCO ₃	46.2	mg/L	5.0	5.0	1		03/01/23 20:45		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.0	mg/L	1.0	0.60	1		02/25/23 18:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/23 18:29	16984-48-8	
Sulfate	10.7	mg/L	1.0	0.50	1		02/25/23 18:29	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-15R **Lab ID: 92652951029** Collected: 02/22/23 13:35 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:36		
Collected By	Kevin Stephens				1		03/08/23 15:36		
Collected Date	02/22/23				1		03/08/23 15:36		
Collected Time	13:35				1		03/08/23 15:36		
pH	7.32	Std. Units			1		03/08/23 15:36		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:45	7440-66-6	
Calcium	38.1	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:45	7440-70-2	
Iron	0.080	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:45	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:45	7439-96-5	
Potassium	0.98	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:45	7440-09-7	
Sodium	1.0J	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:45	7440-23-5	
Magnesium	19.3	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:45	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:49	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:49	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:49	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:37	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	174	mg/L	25.0	25.0	1		02/27/23 13:10		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-15R **Lab ID: 92652951029** Collected: 02/22/23 13:35 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	171	mg/L	5.0	5.0	1		03/01/23 20:52		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 20:52		
Alkalinity, Total as CaCO ₃	171	mg/L	5.0	5.0	1		03/01/23 20:52		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		02/25/23 18:44	16887-00-6	
Fluoride	0.050J	mg/L	0.10	0.050	1		02/25/23 18:44	16984-48-8	
Sulfate	7.5	mg/L	1.0	0.50	1		02/25/23 18:44	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-15Z **Lab ID: 92652951030** Collected: 02/22/23 10:45 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:37		
Collected By	Kevin Stephens				1		03/08/23 15:37		
Collected Date	02/22/23				1		03/08/23 15:37		
Collected Time	10:45				1		03/08/23 15:37		
pH	7.49	Std. Units			1		03/08/23 15:37		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:50	7440-66-6	
Calcium	24.4	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:50	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:50	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:50	7439-96-5	
Potassium	0.89	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:50	7440-09-7	
Sodium	2.0	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:50	7440-23-5	
Magnesium	13.3	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:50	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:55	7440-38-2	
Barium	0.010	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:55	7440-43-9	
Chromium	0.0014J	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:55	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:40	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	111	mg/L	25.0	25.0	1		02/27/23 13:11		
------------------------	------------	------	------	------	---	--	----------------	--	--

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-15Z **Lab ID: 92652951030** Collected: 02/22/23 10:45 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	124	mg/L	5.0	5.0	1		03/01/23 21:03		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 21:03		
Alkalinity, Total as CaCO ₃	124	mg/L	5.0	5.0	1		03/01/23 21:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.83J	mg/L	1.0	0.60	1		02/25/23 18:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/23 18:58	16984-48-8	
Sulfate	0.81J	mg/L	1.0	0.50	1		02/25/23 18:58	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-20 Lab ID: 92652951031 Collected: 02/22/23 14:00 Received: 02/23/23 09:34 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:59	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:59	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:59	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:59	7439-96-5	
Potassium	0.37J	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:59	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:59	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:59	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 20:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 20:06	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 20:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 20:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 20:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 20:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 20:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 20:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 20:06	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 20:06	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 20:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 20:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 20:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 20:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 20:06	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:45	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/27/23 13:12		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 21:13		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 21:13		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		03/01/23 21:13		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/25/23 19:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/23 19:12	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-20 **Lab ID: 92652951031** Collected: 02/22/23 14:00 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/25/23 19:12	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FD-12 **Lab ID: 92652951032** Collected: 02/22/23 00:00 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:55	7440-66-6	
Calcium	24.7	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:55	7440-70-2	
Iron	0.027J	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:55	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:55	7439-96-5	
Potassium	0.99	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:55	7440-09-7	
Sodium	2.3	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:55	7440-23-5	
Magnesium	13.5	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:55	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 20:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 20:00	7440-38-2	
Barium	0.010	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 20:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 20:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 20:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 20:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 20:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 20:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 20:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 20:00	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 20:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 20:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 20:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 20:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 20:00	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:42	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	112	mg/L	25.0	25.0	1		02/27/23 13:13		
------------------------	------------	------	------	------	---	--	----------------	--	--

2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	5.0	1		03/01/23 21:17		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 21:17		
Alkalinity, Total as CaCO3	124	mg/L	5.0	5.0	1		03/01/23 21:17		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	0.82J	mg/L	1.0	0.60	1		02/25/23 19:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/23 19:27	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-LF1-2-FD-12 Lab ID: 92652951032 Collected: 02/22/23 00:00 Received: 02/23/23 09:34 Matrix: Water									
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	0.80J	mg/L	1.0	0.50	1		02/25/23 19:27	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch: 758864 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020

METHOD BLANK: 3941769 Matrix: Water
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/02/23 16:01	
Iron	mg/L	ND	0.040	0.025	03/02/23 16:01	
Magnesium	mg/L	ND	0.050	0.012	03/02/23 16:01	
Manganese	mg/L	ND	0.040	0.0043	03/02/23 16:01	
Potassium	mg/L	ND	0.50	0.15	03/02/23 16:01	
Sodium	mg/L	ND	1.0	0.58	03/02/23 16:01	
Zinc	mg/L	ND	0.020	0.0085	03/02/23 16:01	

LABORATORY CONTROL SAMPLE: 3941770

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.0	103	80-120	
Magnesium	mg/L	1	1.0	102	80-120	
Manganese	mg/L	1	1.0	101	80-120	
Potassium	mg/L	1	1.0	101	80-120	
Sodium	mg/L	1	1.0	101	80-120	
Zinc	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941771 3941772

Parameter	Units	92652951003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	51.6	1	1	52.8	52.5	111	89	75-125	0	20	
Iron	mg/L	0.48	1	1	1.5	1.5	100	105	75-125	3	20	
Magnesium	mg/L	10.9	1	1	12.0	12.1	103	114	75-125	1	20	
Manganese	mg/L	0.11	1	1	1.1	1.1	101	104	75-125	3	20	
Potassium	mg/L	0.61	1	1	1.6	1.6	101	98	75-125	2	20	
Sodium	mg/L	2.7	1	1	3.7	3.7	99	99	75-125	0	20	
Zinc	mg/L	ND	1	1	1.0	1.0	100	103	75-125	4	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 759296 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

METHOD BLANK: 3944037 Matrix: Water
Associated Lab Samples: 92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/04/23 13:32	
Iron	mg/L	ND	0.040	0.025	03/04/23 13:32	
Magnesium	mg/L	ND	0.050	0.012	03/04/23 13:32	
Manganese	mg/L	ND	0.040	0.0043	03/04/23 13:32	
Potassium	mg/L	ND	0.50	0.15	03/04/23 13:32	
Sodium	mg/L	ND	1.0	0.58	03/04/23 13:32	
Zinc	mg/L	ND	0.020	0.0085	03/04/23 13:32	

LABORATORY CONTROL SAMPLE: 3944038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	101	80-120	
Iron	mg/L	1	1.0	100	80-120	
Magnesium	mg/L	1	1.0	102	80-120	
Manganese	mg/L	1	1.0	100	80-120	
Potassium	mg/L	1	1.1	109	80-120	
Sodium	mg/L	1	0.99J	99	80-120	
Zinc	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3944039 3944040

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result								
Calcium	mg/L	ND	1	1	0.96J	0.98J	96	98	75-125		20		
Iron	mg/L	ND	1	1	0.96	0.99	96	99	75-125	4	20		
Magnesium	mg/L	ND	1	1	0.97	1.0	97	101	75-125	4	20		
Manganese	mg/L	ND	1	1	0.96	0.99	96	99	75-125	4	20		
Potassium	mg/L	ND	1	1	0.93	1.0	93	103	75-125	11	20		
Sodium	mg/L	ND	1	1	0.94J	0.99J	94	99	75-125		20		
Zinc	mg/L	ND	1	1	0.96	1.0	96	99	75-125	4	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 758866 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020

METHOD BLANK: 3941793 Matrix: Water
Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/03/23 17:14	
Arsenic	mg/L	ND	0.0050	0.0022	03/03/23 17:14	
Barium	mg/L	ND	0.0050	0.00067	03/03/23 17:14	
Beryllium	mg/L	ND	0.00050	0.000054	03/03/23 17:14	
Boron	mg/L	ND	0.040	0.0086	03/03/23 17:14	
Cadmium	mg/L	ND	0.00050	0.00011	03/03/23 17:14	
Chromium	mg/L	ND	0.0050	0.0011	03/03/23 17:14	
Cobalt	mg/L	ND	0.0050	0.00039	03/03/23 17:14	
Copper	mg/L	ND	0.0050	0.0010	03/03/23 17:14	
Lead	mg/L	ND	0.0010	0.00089	03/03/23 17:14	
Nickel	mg/L	ND	0.0050	0.00071	03/03/23 17:14	
Selenium	mg/L	ND	0.0050	0.0014	03/03/23 17:14	
Silver	mg/L	ND	0.0050	0.00044	03/03/23 17:14	
Thallium	mg/L	ND	0.0010	0.00018	03/03/23 17:14	
Vanadium	mg/L	ND	0.010	0.0019	03/03/23 17:14	

LABORATORY CONTROL SAMPLE: 3941794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	111	80-120	
Arsenic	mg/L	0.1	0.10	100	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	0.98	98	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	105	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.10	100	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941795												3941796	
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92652951002 Result	Spike Conc.	Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	110	108	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20		
Barium	mg/L	0.029	0.1	0.1	0.13	0.13	101	98	75-125	2	20		
Beryllium	mg/L	ND	0.1	0.1	0.095	0.092	95	92	75-125	3	20		
Boron	mg/L	ND	1	1	0.96	0.92	95	92	75-125	4	20		
Cadmium	mg/L	ND	0.1	0.1	0.096	0.093	96	93	75-125	3	20		
Chromium	mg/L	ND	0.1	0.1	0.098	0.097	97	96	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.094	0.092	94	92	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.094	0.092	94	92	75-125	2	20		
Nickel	mg/L	ND	0.1	0.1	0.094	0.093	93	92	75-125	1	20		
Selenium	mg/L	0.0014J	0.1	0.1	0.10	0.10	102	98	75-125	3	20		
Silver	mg/L	ND	0.1	0.1	0.093	0.093	93	93	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.096	0.093	96	93	75-125	3	20		
Vanadium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 759754 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

METHOD BLANK: 3946283 Matrix: Water
Associated Lab Samples: 92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/09/23 18:19	
Arsenic	mg/L	ND	0.0050	0.0022	03/09/23 18:19	
Barium	mg/L	ND	0.0050	0.00067	03/09/23 18:19	
Beryllium	mg/L	ND	0.00050	0.000054	03/09/23 18:19	
Boron	mg/L	ND	0.040	0.0086	03/09/23 18:19	
Cadmium	mg/L	ND	0.00050	0.00011	03/09/23 18:19	
Chromium	mg/L	ND	0.0050	0.0011	03/09/23 18:19	
Cobalt	mg/L	ND	0.0050	0.00039	03/09/23 18:19	
Copper	mg/L	ND	0.0050	0.0010	03/09/23 18:19	
Lead	mg/L	ND	0.0010	0.00089	03/09/23 18:19	
Nickel	mg/L	ND	0.0050	0.00071	03/09/23 18:19	
Selenium	mg/L	ND	0.0050	0.0014	03/09/23 18:19	
Silver	mg/L	ND	0.0050	0.00044	03/09/23 18:19	
Thallium	mg/L	ND	0.0010	0.00018	03/09/23 18:19	
Vanadium	mg/L	ND	0.010	0.0019	03/09/23 18:19	

LABORATORY CONTROL SAMPLE: 3946284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	108	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.11	105	80-120	
Boron	mg/L	1	1.1	107	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Copper	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Parameter	Units	3946285		3946286		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92652951023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	106	75-125	1	20	
Arsenic	mg/L	0.0028J	0.1	0.1	0.10	0.10	98	98	75-125	0	20	
Barium	mg/L	0.042	0.1	0.1	0.14	0.14	101	101	75-125	0	20	
Beryllium	mg/L	0.00017J	0.1	0.1	0.10	0.10	100	102	75-125	2	20	
Boron	mg/L	ND	1	1	1.1	1.0	107	104	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.099	0.10	98	102	75-125	4	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	
Cobalt	mg/L	0.00043J	0.1	0.1	0.10	0.10	102	99	75-125	3	20	
Copper	mg/L	ND	0.1	0.1	0.10	0.10	103	99	75-125	3	20	
Lead	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20	
Nickel	mg/L	0.0010J	0.1	0.1	0.10	0.10	104	99	75-125	5	20	
Selenium	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Vanadium	mg/L	0.0030J	0.1	0.1	0.11	0.10	103	100	75-125	4	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch:	759710	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020		

METHOD BLANK:	3946113	Matrix:	Water
Associated Lab Samples:	92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/07/23 09:10	

LABORATORY CONTROL SAMPLE:	3946114					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3946115			3946116								
Parameter	Units	92652951001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00017J	0.0025	0.0025	0.0024	0.0024	89	88	75-125	1	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch:	759740	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

METHOD BLANK: 3946265 Matrix: Water

Associated Lab Samples: 92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/09/23 12:05	

LABORATORY CONTROL SAMPLE: 3946266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3946267 3946268

Parameter	Units	92653933002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0024	95	96	75-125	1	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch: 757741

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951021

METHOD BLANK: 3936267

Matrix: Water

Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/23/23 13:35	

LABORATORY CONTROL SAMPLE: 3936268

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	371	93	80-120	

SAMPLE DUPLICATE: 3936269

Parameter	Units	92652951001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	152	211	33	10	D6

SAMPLE DUPLICATE: 3936270

Parameter	Units	92652951014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	50.0	40.0	22	10	D6

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 757968	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652951020

METHOD BLANK: 3937428 Matrix: Water
Associated Lab Samples: 92652951020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/24/23 14:19	

LABORATORY CONTROL SAMPLE: 3937429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	391	98	80-120	

SAMPLE DUPLICATE: 3937430

Parameter	Units	92652951020 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 3937431

Parameter	Units	92653467001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	35.0		10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 758266 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

METHOD BLANK: 3938734 Matrix: Water
Associated Lab Samples: 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/27/23 12:57	

LABORATORY CONTROL SAMPLE: 3938735

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	356	89	80-120	

SAMPLE DUPLICATE: 3938736

Parameter	Units	92652951022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	77.0	74.0	4	10	

SAMPLE DUPLICATE: 3938737

Parameter	Units	92652951032 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	112	122	9	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 757477 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007

METHOD BLANK: 3934881 Matrix: Water
Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/23/23 17:32	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/23/23 17:32	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/23/23 17:32	

LABORATORY CONTROL SAMPLE: 3934882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	80-120	

LABORATORY CONTROL SAMPLE: 3934883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.5	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3934884 3934885

Parameter	Units	92652951006		92652951007		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	ND	50	50	53.0	52.6	102	101	80-120	1	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3934886 3934887

Parameter	Units	92652951007		92652951006		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	ND	50	50	49.9	49.7	100	99	80-120	0	25		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 757703 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92652951011, 92652951012, 92652951013, 92652951014, 92652951021

METHOD BLANK: 3935950 Matrix: Water
Associated Lab Samples: 92652951011, 92652951012, 92652951013, 92652951014, 92652951021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/24/23 12:23	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/24/23 12:23	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/24/23 12:23	

LABORATORY CONTROL SAMPLE: 3935951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	80-120	

LABORATORY CONTROL SAMPLE: 3935952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935953 3935954

Parameter	Units	92653159004		92653159005		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	71.9	50	50	125	125	106	106	80-120	0	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935955 3935956

Parameter	Units	92653159005		92653159006		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	50.5	50	50	104	104	106	106	80-120	0	25		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 757820 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92652951008, 92652951009, 92652951010, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019

METHOD BLANK: 3936758 Matrix: Water
Associated Lab Samples: 92652951008, 92652951009, 92652951010, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/24/23 10:13	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/24/23 10:13	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/24/23 10:13	

LABORATORY CONTROL SAMPLE: 3936759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	80-120	

LABORATORY CONTROL SAMPLE: 3936760

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.4	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3936761 3936762

Parameter	Units	3936761		3936762		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	37.9	50	50	88.9	89.8	102	104	80-120	1	25

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 758504 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92652951020, 92652951022, 92652951023, 92652951024, 92652951025

METHOD BLANK: 3939839 Matrix: Water
Associated Lab Samples: 92652951020, 92652951022, 92652951023, 92652951024, 92652951025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	03/01/23 14:42	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	03/01/23 14:42	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	03/01/23 14:42	

LABORATORY CONTROL SAMPLE: 3939840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.9	102	80-120	

LABORATORY CONTROL SAMPLE: 3939841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.9	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3939842 3939843

Parameter	Units	92653778003		92653778004		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	57.7	50	50	109	109	102	103	80-120	1	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3939844 3939845

Parameter	Units	92653778004		92653778005		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	22.5	50	50	70.9	72.4	97	100	80-120	2	25		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 758781 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

METHOD BLANK: 3941256 Matrix: Water
Associated Lab Samples: 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	03/01/23 20:07	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	03/01/23 20:07	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	03/01/23 20:07	

LABORATORY CONTROL SAMPLE: 3941257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 3941258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.9	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941259 3941260

Parameter	Units	92653813001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	39.8	50	50	90.2	92.2	101	105	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941261 3941262

Parameter	Units	92653910001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	8.4	50	50	58.4	58.6	100	100	80-120	0	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch: 757099 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005

METHOD BLANK: 3933115 Matrix: Water
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/21/23 16:01	
Fluoride	mg/L	ND	0.10	0.050	02/21/23 16:01	
Sulfate	mg/L	ND	1.0	0.50	02/21/23 16:01	

LABORATORY CONTROL SAMPLE: 3933116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933117 3933118

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652194009	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	1.6	50	50	50.6	51.2	98	99	90-110	1	10		
Fluoride	mg/L	0.074J	2.5	2.5	2.6	2.7	103	103	90-110	1	10		
Sulfate	mg/L	6.3	50	50	55.5	56.0	98	99	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933119 3933120

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652194019	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	2.0	50	50	51.4	52.2	99	100	90-110	2	10		
Fluoride	mg/L	0.064J	2.5	2.5	2.6	2.7	103	105	90-110	1	10		
Sulfate	mg/L	4.3	50	50	53.9	54.6	99	101	90-110	1	10		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 757100 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92652951006, 92652951007

METHOD BLANK: 3933121 Matrix: Water
Associated Lab Samples: 92652951006, 92652951007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/22/23 01:48	
Fluoride	mg/L	ND	0.10	0.050	02/22/23 01:48	
Sulfate	mg/L	ND	1.0	0.50	02/22/23 01:48	

LABORATORY CONTROL SAMPLE: 3933122

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.5	101	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	51.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933123 3933124

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652951006	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	0.74J	50	50	50.7	51.5	100	102	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	103	101	90-110	2	10		
Sulfate	mg/L	0.57J	50	50	50.6	51.3	100	102	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933125 3933126

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652773005	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	3.1	50	50	54.2	54.8	102	104	90-110	1	10		
Fluoride	mg/L	0.14	2.5	2.5	2.9	3.0	111	114	90-110	2	10 M1		
Sulfate	mg/L	663	50	50	706	706	86	86	90-110	0	10 M1		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch:	757631	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018

METHOD BLANK: 3935657 Matrix: Water
Associated Lab Samples: 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/23/23 17:13	
Fluoride	mg/L	ND	0.10	0.050	02/23/23 17:13	
Sulfate	mg/L	ND	1.0	0.50	02/23/23 17:13	

LABORATORY CONTROL SAMPLE: 3935658

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	51.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935659 3935660

Parameter	Units	92653236002		3935660		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	43.1	50	50	91.4	91.5	97	97	90-110	0	10
Fluoride	mg/L	0.92	2.5	2.5	3.3	3.3	97	97	90-110	0	10
Sulfate	mg/L	135	50	50	180	180	92	90	90-110	0	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935661 3935662

Parameter	Units	92652951009		3935662		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	0.94J	50	50	49.4	49.8	97	98	90-110	1	10
Fluoride	mg/L	0.057J	2.5	2.5	2.5	2.5	96	96	90-110	1	10
Sulfate	mg/L	1.7	50	50	50.2	50.6	97	98	90-110	1	10

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch:	757634	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92652951019, 92652951020, 92652951021

METHOD BLANK: 3935673 Matrix: Water

Associated Lab Samples: 92652951019, 92652951020, 92652951021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/24/23 01:13	
Fluoride	mg/L	ND	0.10	0.050	02/24/23 01:13	
Sulfate	mg/L	ND	1.0	0.50	02/24/23 01:13	

LABORATORY CONTROL SAMPLE: 3935674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.7	103	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	52.1	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935675 3935676

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652951019 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	1.2	50	50	50.0	52.5	98	103	90-110	5	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	98	102	90-110	5	10		
Sulfate	mg/L	1.7	50	50	50.4	52.9	97	102	90-110	5	10		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 758130 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

METHOD BLANK: 3938278 Matrix: Water
Associated Lab Samples: 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/25/23 12:43	
Fluoride	mg/L	ND	0.10	0.050	02/25/23 12:43	
Sulfate	mg/L	ND	1.0	0.50	02/25/23 12:43	

LABORATORY CONTROL SAMPLE: 3938279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.9	100	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	49.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3938280 3938281

Parameter	Units	92653727001		3938281		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	9.0	50	50	54.3	58.6	91	99	90-110	8	10
Fluoride	mg/L	ND	2.5	2.5	2.3	2.5	88	98	90-110	10	10 M1
Sulfate	mg/L	32.3	50	50	76.8	81.3	89	98	90-110	6	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3938282 3938283

Parameter	Units	92652951024		3938283		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	0.99J	50	50	49.0	50.0	96	98	90-110	2	10
Fluoride	mg/L	0.054J	2.5	2.5	2.4	2.5	93	96	90-110	3	10
Sulfate	mg/L	ND	50	50	47.3	48.5	94	96	90-110	3	10

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652951001	BOW-GWA-1				
92652951002	BOW-GWA-2				
92652951003	BOW-GWA-2R				
92652951004	BOW-GWA-50				
92652951005	BOW-GWA-50R				
92652951008	BOW-GWC-5				
92652951009	BOW-GWC-7Z				
92652951010	BOW-GWC-8Z				
92652951011	BOW-GWA-3A				
92652951012	BOW-GWA-4RZ				
92652951013	BOW-GWC-6				
92652951014	BOW-GWC-6RZ				
92652951015	BOW-GWC-10				
92652951016	BOW-GWC-10R				
92652951017	BOW-GWC-11				
92652951018	BOW-GWC-11R				
92652951022	BOW-GWC-8RR				
92652951023	BOW-GWC-9				
92652951024	BOW-GWC-12				
92652951026	BOW-GWC-13				
92652951027	BOW-GWC-13RZ				
92652951028	BOW-GWC-14Z				
92652951029	BOW-GWC-15R				
92652951030	BOW-GWC-15Z				
92652951001	BOW-GWA-1	EPA 3010A	758864	EPA 6010D	758889
92652951002	BOW-GWA-2	EPA 3010A	758864	EPA 6010D	758889
92652951003	BOW-GWA-2R	EPA 3010A	758864	EPA 6010D	758889
92652951004	BOW-GWA-50	EPA 3010A	758864	EPA 6010D	758889
92652951005	BOW-GWA-50R	EPA 3010A	758864	EPA 6010D	758889
92652951006	BOW-LF1-2-FD-10	EPA 3010A	758864	EPA 6010D	758889
92652951007	BOW-LF1-2-FB-16	EPA 3010A	758864	EPA 6010D	758889
92652951008	BOW-GWC-5	EPA 3010A	758864	EPA 6010D	758889
92652951009	BOW-GWC-7Z	EPA 3010A	758864	EPA 6010D	758889
92652951010	BOW-GWC-8Z	EPA 3010A	758864	EPA 6010D	758889
92652951011	BOW-GWA-3A	EPA 3010A	758864	EPA 6010D	758889
92652951012	BOW-GWA-4RZ	EPA 3010A	758864	EPA 6010D	758889
92652951013	BOW-GWC-6	EPA 3010A	758864	EPA 6010D	758889
92652951014	BOW-GWC-6RZ	EPA 3010A	758864	EPA 6010D	758889
92652951015	BOW-GWC-10	EPA 3010A	758864	EPA 6010D	758889
92652951016	BOW-GWC-10R	EPA 3010A	758864	EPA 6010D	758889
92652951017	BOW-GWC-11	EPA 3010A	758864	EPA 6010D	758889
92652951018	BOW-GWC-11R	EPA 3010A	758864	EPA 6010D	758889
92652951019	BOW-LF1-2-FD-11	EPA 3010A	758864	EPA 6010D	758889
92652951020	BOW-LF1-2-FB-18	EPA 3010A	758864	EPA 6010D	758889
92652951021	BOW-LF1-2-FB-17	EPA 3010A	759296	EPA 6010D	759370
92652951022	BOW-GWC-8RR	EPA 3010A	759296	EPA 6010D	759370
92652951023	BOW-GWC-9	EPA 3010A	759296	EPA 6010D	759370
92652951024	BOW-GWC-12	EPA 3010A	759296	EPA 6010D	759370

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652951025	BOW-LF1-2-FB-19	EPA 3010A	759296	EPA 6010D	759370
92652951026	BOW-GWC-13	EPA 3010A	759296	EPA 6010D	759370
92652951027	BOW-GWC-13RZ	EPA 3010A	759296	EPA 6010D	759370
92652951028	BOW-GWC-14Z	EPA 3010A	759296	EPA 6010D	759370
92652951029	BOW-GWC-15R	EPA 3010A	759296	EPA 6010D	759370
92652951030	BOW-GWC-15Z	EPA 3010A	759296	EPA 6010D	759370
92652951031	BOW-LF1-2-FB-20	EPA 3010A	759296	EPA 6010D	759370
92652951032	BOW-LF1-2-FD-12	EPA 3010A	759296	EPA 6010D	759370
92652951001	BOW-GWA-1	EPA 3005A	758866	EPA 6020B	758891
92652951002	BOW-GWA-2	EPA 3005A	758866	EPA 6020B	758891
92652951003	BOW-GWA-2R	EPA 3005A	758866	EPA 6020B	758891
92652951004	BOW-GWA-50	EPA 3005A	758866	EPA 6020B	758891
92652951005	BOW-GWA-50R	EPA 3005A	758866	EPA 6020B	758891
92652951006	BOW-LF1-2-FD-10	EPA 3005A	758866	EPA 6020B	758891
92652951007	BOW-LF1-2-FB-16	EPA 3005A	758866	EPA 6020B	758891
92652951008	BOW-GWC-5	EPA 3005A	758866	EPA 6020B	758891
92652951009	BOW-GWC-7Z	EPA 3005A	758866	EPA 6020B	758891
92652951010	BOW-GWC-8Z	EPA 3005A	758866	EPA 6020B	758891
92652951011	BOW-GWA-3A	EPA 3005A	758866	EPA 6020B	758891
92652951012	BOW-GWA-4RZ	EPA 3005A	758866	EPA 6020B	758891
92652951013	BOW-GWC-6	EPA 3005A	758866	EPA 6020B	758891
92652951014	BOW-GWC-6RZ	EPA 3005A	758866	EPA 6020B	758891
92652951015	BOW-GWC-10	EPA 3005A	758866	EPA 6020B	758891
92652951016	BOW-GWC-10R	EPA 3005A	758866	EPA 6020B	758891
92652951017	BOW-GWC-11	EPA 3005A	758866	EPA 6020B	758891
92652951018	BOW-GWC-11R	EPA 3005A	758866	EPA 6020B	758891
92652951019	BOW-LF1-2-FD-11	EPA 3005A	758866	EPA 6020B	758891
92652951020	BOW-LF1-2-FB-18	EPA 3005A	758866	EPA 6020B	758891
92652951021	BOW-LF1-2-FB-17	EPA 3005A	759754	EPA 6020B	759857
92652951022	BOW-GWC-8RR	EPA 3005A	759754	EPA 6020B	759857
92652951023	BOW-GWC-9	EPA 3005A	759754	EPA 6020B	759857
92652951024	BOW-GWC-12	EPA 3005A	759754	EPA 6020B	759857
92652951025	BOW-LF1-2-FB-19	EPA 3005A	759754	EPA 6020B	759857
92652951026	BOW-GWC-13	EPA 3005A	759754	EPA 6020B	759857
92652951027	BOW-GWC-13RZ	EPA 3005A	759754	EPA 6020B	759857
92652951028	BOW-GWC-14Z	EPA 3005A	759754	EPA 6020B	759857
92652951029	BOW-GWC-15R	EPA 3005A	759754	EPA 6020B	759857
92652951030	BOW-GWC-15Z	EPA 3005A	759754	EPA 6020B	759857
92652951031	BOW-LF1-2-FB-20	EPA 3005A	759754	EPA 6020B	759857
92652951032	BOW-LF1-2-FD-12	EPA 3005A	759754	EPA 6020B	759857
92652951001	BOW-GWA-1	EPA 7470A	759710	EPA 7470A	759802
92652951002	BOW-GWA-2	EPA 7470A	759710	EPA 7470A	759802
92652951003	BOW-GWA-2R	EPA 7470A	759710	EPA 7470A	759802
92652951004	BOW-GWA-50	EPA 7470A	759710	EPA 7470A	759802
92652951005	BOW-GWA-50R	EPA 7470A	759710	EPA 7470A	759802
92652951006	BOW-LF1-2-FD-10	EPA 7470A	759710	EPA 7470A	759802
92652951007	BOW-LF1-2-FB-16	EPA 7470A	759710	EPA 7470A	759802

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652951008	BOW-GWC-5	EPA 7470A	759710	EPA 7470A	759802
92652951009	BOW-GWC-7Z	EPA 7470A	759710	EPA 7470A	759802
92652951010	BOW-GWC-8Z	EPA 7470A	759710	EPA 7470A	759802
92652951011	BOW-GWA-3A	EPA 7470A	759710	EPA 7470A	759802
92652951012	BOW-GWA-4RZ	EPA 7470A	759710	EPA 7470A	759802
92652951013	BOW-GWC-6	EPA 7470A	759710	EPA 7470A	759802
92652951014	BOW-GWC-6RZ	EPA 7470A	759710	EPA 7470A	759802
92652951015	BOW-GWC-10	EPA 7470A	759710	EPA 7470A	759802
92652951016	BOW-GWC-10R	EPA 7470A	759710	EPA 7470A	759802
92652951017	BOW-GWC-11	EPA 7470A	759710	EPA 7470A	759802
92652951018	BOW-GWC-11R	EPA 7470A	759710	EPA 7470A	759802
92652951019	BOW-LF1-2-FD-11	EPA 7470A	759710	EPA 7470A	759802
92652951020	BOW-LF1-2-FB-18	EPA 7470A	759710	EPA 7470A	759802
92652951021	BOW-LF1-2-FB-17	EPA 7470A	759740	EPA 7470A	760372
92652951022	BOW-GWC-8RR	EPA 7470A	759740	EPA 7470A	760372
92652951023	BOW-GWC-9	EPA 7470A	759740	EPA 7470A	760372
92652951024	BOW-GWC-12	EPA 7470A	759740	EPA 7470A	760372
92652951025	BOW-LF1-2-FB-19	EPA 7470A	759740	EPA 7470A	760372
92652951026	BOW-GWC-13	EPA 7470A	759740	EPA 7470A	760372
92652951027	BOW-GWC-13RZ	EPA 7470A	759740	EPA 7470A	760372
92652951028	BOW-GWC-14Z	EPA 7470A	759740	EPA 7470A	760372
92652951029	BOW-GWC-15R	EPA 7470A	759740	EPA 7470A	760372
92652951030	BOW-GWC-15Z	EPA 7470A	759740	EPA 7470A	760372
92652951031	BOW-LF1-2-FB-20	EPA 7470A	759740	EPA 7470A	760372
92652951032	BOW-LF1-2-FD-12	EPA 7470A	759740	EPA 7470A	760372
92652951001	BOW-GWA-1	SM 2540C-2015	757741		
92652951002	BOW-GWA-2	SM 2540C-2015	757741		
92652951003	BOW-GWA-2R	SM 2540C-2015	757741		
92652951004	BOW-GWA-50	SM 2540C-2015	757741		
92652951005	BOW-GWA-50R	SM 2540C-2015	757741		
92652951006	BOW-LF1-2-FD-10	SM 2540C-2015	757741		
92652951007	BOW-LF1-2-FB-16	SM 2540C-2015	757741		
92652951008	BOW-GWC-5	SM 2540C-2015	757741		
92652951009	BOW-GWC-7Z	SM 2540C-2015	757741		
92652951010	BOW-GWC-8Z	SM 2540C-2015	757741		
92652951011	BOW-GWA-3A	SM 2540C-2015	757741		
92652951012	BOW-GWA-4RZ	SM 2540C-2015	757741		
92652951013	BOW-GWC-6	SM 2540C-2015	757741		
92652951014	BOW-GWC-6RZ	SM 2540C-2015	757741		
92652951015	BOW-GWC-10	SM 2540C-2015	757741		
92652951016	BOW-GWC-10R	SM 2540C-2015	757741		
92652951017	BOW-GWC-11	SM 2540C-2015	757741		
92652951018	BOW-GWC-11R	SM 2540C-2015	757741		
92652951019	BOW-LF1-2-FD-11	SM 2540C-2015	757741		
92652951020	BOW-LF1-2-FB-18	SM 2540C-2015	757968		
92652951021	BOW-LF1-2-FB-17	SM 2540C-2015	757741		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652951022	BOW-GWC-8RR	SM 2540C-2015	758266		
92652951023	BOW-GWC-9	SM 2540C-2015	758266		
92652951024	BOW-GWC-12	SM 2540C-2015	758266		
92652951025	BOW-LF1-2-FB-19	SM 2540C-2015	758266		
92652951026	BOW-GWC-13	SM 2540C-2015	758266		
92652951027	BOW-GWC-13RZ	SM 2540C-2015	758266		
92652951028	BOW-GWC-14Z	SM 2540C-2015	758266		
92652951029	BOW-GWC-15R	SM 2540C-2015	758266		
92652951030	BOW-GWC-15Z	SM 2540C-2015	758266		
92652951031	BOW-LF1-2-FB-20	SM 2540C-2015	758266		
92652951032	BOW-LF1-2-FD-12	SM 2540C-2015	758266		
92652951001	BOW-GWA-1	SM 2320B-2011	757477		
92652951002	BOW-GWA-2	SM 2320B-2011	757477		
92652951003	BOW-GWA-2R	SM 2320B-2011	757477		
92652951004	BOW-GWA-50	SM 2320B-2011	757477		
92652951005	BOW-GWA-50R	SM 2320B-2011	757477		
92652951006	BOW-LF1-2-FD-10	SM 2320B-2011	757477		
92652951007	BOW-LF1-2-FB-16	SM 2320B-2011	757477		
92652951008	BOW-GWC-5	SM 2320B-2011	757820		
92652951009	BOW-GWC-7Z	SM 2320B-2011	757820		
92652951010	BOW-GWC-8Z	SM 2320B-2011	757820		
92652951011	BOW-GWA-3A	SM 2320B-2011	757703		
92652951012	BOW-GWA-4RZ	SM 2320B-2011	757703		
92652951013	BOW-GWC-6	SM 2320B-2011	757703		
92652951014	BOW-GWC-6RZ	SM 2320B-2011	757703		
92652951015	BOW-GWC-10	SM 2320B-2011	757820		
92652951016	BOW-GWC-10R	SM 2320B-2011	757820		
92652951017	BOW-GWC-11	SM 2320B-2011	757820		
92652951018	BOW-GWC-11R	SM 2320B-2011	757820		
92652951019	BOW-LF1-2-FD-11	SM 2320B-2011	757820		
92652951020	BOW-LF1-2-FB-18	SM 2320B-2011	758504		
92652951021	BOW-LF1-2-FB-17	SM 2320B-2011	757703		
92652951022	BOW-GWC-8RR	SM 2320B-2011	758504		
92652951023	BOW-GWC-9	SM 2320B-2011	758504		
92652951024	BOW-GWC-12	SM 2320B-2011	758504		
92652951025	BOW-LF1-2-FB-19	SM 2320B-2011	758504		
92652951026	BOW-GWC-13	SM 2320B-2011	758781		
92652951027	BOW-GWC-13RZ	SM 2320B-2011	758781		
92652951028	BOW-GWC-14Z	SM 2320B-2011	758781		
92652951029	BOW-GWC-15R	SM 2320B-2011	758781		
92652951030	BOW-GWC-15Z	SM 2320B-2011	758781		
92652951031	BOW-LF1-2-FB-20	SM 2320B-2011	758781		
92652951032	BOW-LF1-2-FD-12	SM 2320B-2011	758781		
92652951001	BOW-GWA-1	EPA 300.0 Rev 2.1 1993	757099		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652951002	BOW-GWA-2	EPA 300.0 Rev 2.1 1993	757099		
92652951003	BOW-GWA-2R	EPA 300.0 Rev 2.1 1993	757099		
92652951004	BOW-GWA-50	EPA 300.0 Rev 2.1 1993	757099		
92652951005	BOW-GWA-50R	EPA 300.0 Rev 2.1 1993	757099		
92652951006	BOW-LF1-2-FD-10	EPA 300.0 Rev 2.1 1993	757100		
92652951007	BOW-LF1-2-FB-16	EPA 300.0 Rev 2.1 1993	757100		
92652951008	BOW-GWC-5	EPA 300.0 Rev 2.1 1993	757631		
92652951009	BOW-GWC-7Z	EPA 300.0 Rev 2.1 1993	757631		
92652951010	BOW-GWC-8Z	EPA 300.0 Rev 2.1 1993	757631		
92652951011	BOW-GWA-3A	EPA 300.0 Rev 2.1 1993	757631		
92652951012	BOW-GWA-4RZ	EPA 300.0 Rev 2.1 1993	757631		
92652951013	BOW-GWC-6	EPA 300.0 Rev 2.1 1993	757631		
92652951014	BOW-GWC-6RZ	EPA 300.0 Rev 2.1 1993	757631		
92652951015	BOW-GWC-10	EPA 300.0 Rev 2.1 1993	757631		
92652951016	BOW-GWC-10R	EPA 300.0 Rev 2.1 1993	757631		
92652951017	BOW-GWC-11	EPA 300.0 Rev 2.1 1993	757631		
92652951018	BOW-GWC-11R	EPA 300.0 Rev 2.1 1993	757631		
92652951019	BOW-LF1-2-FD-11	EPA 300.0 Rev 2.1 1993	757634		
92652951020	BOW-LF1-2-FB-18	EPA 300.0 Rev 2.1 1993	757634		
92652951021	BOW-LF1-2-FB-17	EPA 300.0 Rev 2.1 1993	757634		
92652951022	BOW-GWC-8RR	EPA 300.0 Rev 2.1 1993	758130		
92652951023	BOW-GWC-9	EPA 300.0 Rev 2.1 1993	758130		
92652951024	BOW-GWC-12	EPA 300.0 Rev 2.1 1993	758130		
92652951025	BOW-LF1-2-FB-19	EPA 300.0 Rev 2.1 1993	758130		
92652951026	BOW-GWC-13	EPA 300.0 Rev 2.1 1993	758130		
92652951027	BOW-GWC-13RZ	EPA 300.0 Rev 2.1 1993	758130		
92652951028	BOW-GWC-14Z	EPA 300.0 Rev 2.1 1993	758130		
92652951029	BOW-GWC-15R	EPA 300.0 Rev 2.1 1993	758130		
92652951030	BOW-GWC-15Z	EPA 300.0 Rev 2.1 1993	758130		
92652951031	BOW-LF1-2-FB-20	EPA 300.0 Rev 2.1 1993	758130		
92652951032	BOW-LF1-2-FD-12	EPA 300.0 Rev 2.1 1993	758130		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92652951



92652951

Courier: Fed Ex UPS USPS Client Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/17/23

2/17/23
[Signature]

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID: 230

Type of Ice: Wet Blue None

Cooler Temp:

5.5

Correction Factor:

Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

5.5

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix: W			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Project #

WO#: 92652951

PM: BV

Due Date: 03/03/23

CLIENT: GA-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFLU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1		2	1																									
2		2	1																									
3		2	1																									
4		2	1																									
5		2	1																									
6		2	1																									
7		2	1																									
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



DC# Title: ENV-FRM-HUN1-0083 v02 Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville

Raleigh Mechanicsville Atlanta

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO#: 92652951

Courier: Commercial Pace Fed Ex UPS USPS Other: Client

PM: BV Due Date: 03/03/23 CLIENT: GA-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/21/23 COT

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 230 Type of Ice: Wet Blue None

Cooler Temp: 4.6 Correction Factor: 0.0 Add/Subtract (°C)

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.6

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92652951

PM: BV

Due Date: 03/03/23

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG3S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KG7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1		2	1			15																						
2		2	1			15																						
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project # **W0# : 92652951**

PM: BV

Due Date: 03/03/23

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	RP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit-VPH/Gas Kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG5U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #: WO#: 92652951

Courier: Commercial Fed Ex Pace UPS USPS Other: Client

PM: BV Due Date: 03/03/23 CLIENT: GA-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2-23-23 Ay

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 5.8 Correction Factor: Add/Subtract (°C) +0.2

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 6.0

USDA Regulated Soil (N/A, water sample) Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		4.
Sufficient Volume?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		5.
Correct Containers Used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		9.
-Includes Date/Time/ID/Analysis Matrix: W			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO# : 92652951

Project #

PM: BV

Due Date: 03/03/23

CLIENT: GR-GR Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

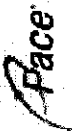
***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFW-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1M-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VG6U-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1		2	1																									
2		2	1																									
3		2	1																									
4		2	1																									
5			2																									
6			2																									
7			2																									
8		2	1																									
9		2	1																									
10		2																										
11			2																									
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pep-standard-terms.pdf>.

Section A	Section B	Section C
Required Client Information: Company: Georgia Power Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308 Email: kjujinks@southernco.com Phone: (478) 217-0008 Fax: _____ Requested Due Date: Standard	Required Project Information: Report To: Kristen Jurjiko, Cassidy Sutherland Copy To: Laura Midkiff, Ben Hodges, Mike Smiley Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308 Project Name: Bowen LP Cells 1&2 Project #: _____ Purchase Order #: _____ Bowen LP Cells 1&2	Invoice Information: Company Name: Georgia Power Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308 Regulatory Agency: _____ State / Location: GA Pace Profile #: 10890-4

ITEM #	MATRIX CODE	SAMPLE CODE (see field codes to lab)	SAMPLE TYPE (G=GRAV O-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	UNPRESERVED	K2SO4	HM03	HCl	NaOH	Na2S2O3	Methanol	Other	ANALYSES TEST Y/N	HMV + SURT Metals	Cl, F, SO4	TDS	Amalinity	Residual Chlorine (Y/N)	Received on	Custody	Sealed	Cooler	Samples (Y/N)	
				DATE	TIME																						
26	BOW-LF1-2-FD-10	WG G	G	2/16/23			4	3	1							X	X	X	X	X							
26	BOW-LF1-2-FD-11	WG G	G													X	X	X	X	X							
27	BOW-LF1-2-FD-12	WG G	G													X	X	X	X	X							
28	BOW-LF1-2-FB-10	WQ G	G	2/16/23	1450		4	3	1							X	X	X	X	X							
29	BOW-LF1-2-FB-11	WQ G	G													X	X	X	X	X							
30	BOW-LF1-2-FB-12	WQ G	G													X	X	X	X	X							
31	BOW-LF1-2-FB-13	WQ G	G													X	X	X	X	X							
32	BOW-LF1-2-FB-14	WQ G	G													X	X	X	X	X							
33	BOW-LF1-2-FB-15	WQ G	G													X	X	X	X	X							
34	BOW-LF1-2-FB-16	WQ G	G													X	X	X	X	X							
35																X	X	X	X	X							
36																X	X	X	X	X							

ADDITIONAL COMMENTS	RELEASED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
William Laaker	William Laaker	2/17/23	12:15	Ryan Williams / Pace	2/17/23	12:15
Ryan Williams / Pace	Ryan Williams / Pace	2/17/23	12:25			

Task Code: BOW-COR-ASSMT-2023B1

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER	DATE Signed	
William Laaker	2/16/23	

SIGNATURE of SAMPLER	Residue Environmental
PRINT Name of SAMPLER	Residue Environmental
SAMPLER NAME AND SIGNATURE	
Kevin Stephenson, William Laaker, Meredith Duncan	



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pass-standard-terms.pdf>.

Section A

Required Client Information:
 Company: Georgia Power
 Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308
 Email: spjurnit@southernco.com
 Phone: (478) 217-0008 Fax:
 Requested Due Date: Standard

Section B

Report To: Kristen Jurinco, Cassidy Sutherland
 Copy To: Laura Mickel, Ben Hodges, Mike Smiley
 Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308
 Project Name: Bowen LF Cells 1&2
 Project #: 10850-4

Section C

Invoice Information:
 Attention:
 Company Name: Georgia Power
 Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308
 Pace Quote:
 Pace Project Manager: boamie.vang@pacelabs.com
 Pace Profile #: 10850-4

ITEM #	MATRIX	MAY USE: Disinfectant, Water, Wash Water, Products, Solutions, Oil, Wipes, Ac, Dms, Tissue	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES	ANALYSIS TEST			RESIDUAL CHLORINE (Y/N)	pH
					DATE	TIME				Other	H2SO4	HNO3		
1	BOW-GWA-1		WG	G										
2	BOW-GWA-2		WG	G										
3	BOW-GWA-2R		WG	G										
4	BOW-GWA-3A		WG	G										
5	BOW-GWA-4RZ		WG	G										
6	BOW-GWA-50		WG	G										
7	BOW-GWA-50R		WG	G										
8	BOW-GWC-5		WG	G	2/20/23	1111		4	3	1				5.78
9	BOW-GWC-6		WG	G										
10	BOW-GWC-6RZ		WG	G										
11	BOW-GWC-7Z		WG	G	2/20/23	1237		4	3	1				7.40
12	BOW-GWC-8Z		WG	G	2/20/23	1446		4	3	1				6.87

Task Code: BOW-CCR-ASMT-2023R1

RELINISHED BY/AFFILIATION: William Leaker, Ryan Williams/Pace
 DATE: 2/21/23 1135
 ACCEPTED BY/AFFILIATION: Ryan Williams/Pace
 DATE: 2/21/23 1136
 SIGNATURE of SAMPLER: *William Leaker*
 DATE Signed: 2/20/23
 SIGNATURE of SAMPLER: *Ryan Williams/Pace*
 DATE Signed: 2/20/23
 SIGNATURE of SAMPLER: *Spjurnit*
 DATE Signed: 2/20/23

TEMP IN C

Received on

Sealed

Cooler

Cooler

Samples

Inlet (Y/N)

Temp (Y/N)

Resolute Environmental

Kevin Stephenson, William Leaker, Meredith Duncan

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/html/pacs-standard-terms.pdf>.

Page : 1 Of 3

Section A
Required Client Information:
 Company: Georgia Power
 Report To: Kristen Jurisko, Cassidy Sutthard
 Address: 241 Ralph McGill Blvd. NE
 Atlanta, GA 30308
 Email: kjurisko@southernco.com
 Phone: (478) 217-0008 Fax:
 Requested Due Date: Standard

Section B
Required Project Information:
 Project Name: Bowen LF Cells 1&2
 Project #:
 Purchase Order #:
 Requested Analysis: Pesticides (Y/N)

Section C
Invoice Information:
 Attention:
 Company Name: Georgia Power
 Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308
 Mailing Agency:
 Pace Quote:
 Pace Project Manager: bonnie.varg@pacelabs.com
 Pace Profile #: 10860-4
 State / Location: GA

ITEM #	MATRIX	CODE	MATRIX TYPE (G-QRAB C-COMP)	COLLECTED		# OF CONTAINERS	PRESERVATIVES			ANALYSIS TEST Y/N	Residual Chrome (Y/N)	pH:
				DATE	TIME		UNPRESERVED	K2S04	HNO3			
1	BOW-GWA-1	WG	G	2/17/23	1056	4	3	1				7.71
2	BOW-GWA-2	WG	G									
3	BOW-GWA-2R	WG	G									
4	BOW-GWA-3A	WG	G	2/17/23	0946	4	3	1				6.98
5	BOW-GWA-4RZ	WG	G									
6	BOW-GWA-50	WG	G									
7	BOW-GWA-50R	WG	G									
8	BOW-GWC-5	WG	G									
9	BOW-GWC-6	WG	G	2/17/23	1200	4	3	1				7.11
10	BOW-GWC-6RZ	WG	G	2/17/23	1328	4	3	1				6.41
11	BOW-GWC-7Z	WG	G									
12	BOW-GWC-8Z	WG	G									

Section D
ADDITIONAL COMMENTS:

Relinquished by / Affiliation: William Leaker / Pace
 Date: 2/21/23
 Time: 1135
 Accepted by / Affiliation: Ryan Williams / Pace
 Date: 2/21/23
 Time: 1135

Relinquished by / Affiliation: Ryan Williams / Pace
 Date: 2/21/23
 Time: 1135
 Accepted by / Affiliation: Ryan Williams / Pace
 Date: 2/21/23
 Time: 1135

Section E
SAMPLER NAME AND SIGNATURE:
 PRINT Name of SAMPLER: William Leaker
 SIGNATURE OF SAMPLER: Ryan Williams / Pace
 PRINT Name of SAMPLER: Ryan Williams / Pace
 SIGNATURE OF SAMPLER: Ryan Williams / Pace
 DATE Signed: 2/17/23

Section F
TEMP IN C

Received on: (Y/N)
 Custody (Y/N)
 Sealed (Y/N)
 Cooler (Y/N)
 Samples (Y/N)
 (Y/N)



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pacs-standard-terms.pdf>.

Section A		Section B	
Required Client Information:		Required Project Information:	
Company: Georgia Power	Report To: Kristen Jurinko, Cassidy Sutherland	Invoice Information:	Attention:
Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308	Copy To: Laura Midkiff, Ben Hodges, Mike Smilby	Company Name: Georgia Power	Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308
Email: krj@ge.com	Noelita Gargi	Pace Order #:	Pace Profile #:
Phone: (470) 217-0008	Project Name: Bowen LF Cells 1&2	State / Location:	GA
Fax: Standard	Project #:		

ITEM #	MATRIX	MATRIX CODE (see yield codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	PRESERVATIVES							ANALYSES TEST Y/N	RESIDUAL CHLORINE (Y/N)	PH				
				DATE	TIME		UNPRESERVED	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methano				Other			
13	BOW-GWC-BRR	WG	G	2/20/23	1245	4	3	1												
14	BOW-GWC-9	WG	G																	
15	BOW-GWC-10	WG	G	2/20/23	1040	4	3	1												92652951
16	BOW-GWC-10R	WG	G	2/20/23	1345	4	3	1												5.39615
17	BOW-GWC-11	WG	G	2/20/23	1500	4	3	1												7.08626
18	BOW-GWC-11R	WG	G																	5.52617
19	BOW-GWC-12	WG	G																	7.20016
20	BOW-GWC-13	WG	G																	
21	BOW-GWC-13RZ	WG	G																	
22	BOW-GWC-14Z	WG	G																	
23	BOW-GWC-15R	WG	G																	
24	BOW-GWC-15Z	WG	G																	

REQUISITIONED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
William Leaker	2/21/23	1135	Ryan Williams / Pac	2/21/23	1135	
Ryan Williams / Pac	2/21/23	1620	def 92			

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Kevin Stepherson, William Leaker, Meredith Durcan
SIGNATURE of SAMPLER:	<i>(Signature)</i>
DATE Signed:	2/20/23



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/contributors/pas-standard-terms.pdf>.

Section A

Required Client Information:
 Company: Georgia Power
 Address: 241 Ralph McGill Blvd. NE
 Atlanta, GA 30308
 Email: kregunk@southpower.com
 Phone: (470) 217-0008
 Requested Due Date: Standard

Required Project Information:
 Report To: Kristen Jurinko, Cassidy Sutherland
 Copy To: Laura Maduff, Ben Hodges, Mike Smalley
 Noelleis Gangi
 Purchase Order #:
 Project Name: Bowen LF Cells 1&2
 Project #:
 Pace Project Manager: bomei.yang@pacelabs.com
 Pace Profile #: 10850-4

Invoice Information:
 Attention:
 Company Name: Georgia Power
 Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308
 Pace Order:
 Regulatory Agency:
 State / Location: GA

Section B

Requested Analytical Methods (Y/N)

Alkalinity	
TDS	
Cl, F, SO4	
HIV + State Metals	
Unpreserved	
H2SO4	
HNO3	
HCl	
NaOH	
Na2S2O3	
Methanol	
Other	

ITEM #	MATRIX	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=Grab C=Comp)	COLLECTED		# OF CONTAINERS	PRESERVATIVES	ANALYSES TEST	Y/N	RESIDUAL CHROME (Y/N)	RECEIVED ON	CUSTODY	SEAL	COOLER	SAMPLER	INTERACT (Y/N)	
				DATE	TIME												
25	BOW-LF1-2-FD-10	WG G	G														
26	BOW-LF1-2-FD-11	WG G	G														
27	BOW-LF1-2-FD-12	WG G	G														
28	BOW-LF1-2-FB-	WQ G	G														
29	BOW-LF1-2-FB-17	WQ G	G	2/17/23	1145	43	1										
30	BOW-LF1-2-FB-	WQ G	G														
31	BOW-LF1-2-FB-	WQ G	G														
32	BOW-LF1-2-EB-	WQ G	G														
33	BOW-LF1-2-EB-	WQ G	G														
34	BOW-LF1-2-EB-	WQ G	G														
35																	
36																	

ADDITIONAL COMMENTS:

Task Code: BOW-CCR-ASSMT-202301

REINVOICED BY / AFFILIATION: William Laker
 DATE: 2/21/23
 TIME: 1135

ACCEPTED BY / AFFILIATION: Ryan Williams / Pace
 DATE: 2/21/23
 TIME: 1136

REINVOICED BY / AFFILIATION: Ryan Williams / Pace
 DATE: 2/21/23
 TIME: 1620

DATE SIGNED: 2/17/23

SIGNATURE OF SAMPLER: *William Laker*
 PRINT Name of SAMPLER: William Laker, William Laker, Meredith Duncan
 Resolute Environmental

SIGNATURE OF SAMPLER: *Ryan Williams*
 PRINT Name of SAMPLER: Ryan Williams, Ryan Williams, Meredith Duncan
 Resolute Environmental

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pace-standard-terms.pdf>.

Page: 2 Of 3

Section A
Required Client Information:
 Company: Georgia Power
 Address: 241 Ralph McGill Blvd. NE
 Atlanta, GA 30308
 Email: krunnik@southverco.com
 Phone: (470) 217-0008
 Requested Due Date: Standard

Section B
Required Project Information:
 Report To: Kristen Jurinko, Cassidy Sutherland
 Copy To: Laura Midkiff, Ben Hodges, Mike Smalley
 Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308
 Project Name: Bowen LF Cells 1&2
 Project #: Standard
 Purchase Order #: Noelia Garg
 Pace Project Manager: borntie.wang@pacelabs.com
 Pace Profile #: 10850-4

Section C
Invoice Information:
 Attention:
 Company Name: Georgia Power
 Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308
 Invoice #:
 Invoice Date:
 Invoice Amount:

ITEM #	MATRIX	MATRIX CODE (see yard codes to left)	COLLECTED		PRESERVATIVES	ANALYSES TEST	RESIDUAL CHLORINE (Y/N)	TEMP IN C	RECEIVED ON	COOL	CUSTODY	SEAL	INITIALS
			DATE	TIME									
13	BOW-GWC-8RR	WG G	2/21/23	0950	H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
14	BOW-GWC-9	WG G	2/21/23	1055	H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
15	BOW-GWC-10	WG G			H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
16	BOW-GWC-10R	WG G			H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
17	BOW-GWC-11	WG G			H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
18	BOW-GWC-11R	WG G			H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
19	BOW-GWC-12	WG G	2/21/23	1501	H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
20	BOW-GWC-13	WG G			H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
21	BOW-GWC-13RZ	WG G			H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
22	BOW-GWC-14Z	WG G			H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
23	BOW-GWC-15R	WG G			H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							
24	BOW-GWC-15Z	WG G			H2SO4 HNO3 HCl NaOH Na2SO3 Methanol Other	Y/N							

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION: Ryan Williams / Pace
 DATE: 2/21/23
 TIME: 1025

ACCEPTED BY / AFFILIATION: Ryan Williams / Pace
 DATE: 2/21/23
 TIME: 0934

SAMPLER NAME AND SIGNATURE: Ryan Williams
 PRINT Name of SAMPLER: Ryan Williams / Pace
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed: 2/21/23

Resolute Environmental

Peace

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Peace Terms and Conditions found at <https://info.pacelabs.com/hubs/peace-standards-terms.pdf>.

Section A

Required Client Information:
Company: Georgia Power
Address: 241 Ralph McGill Blvd NIE
Atlanta, GA 30308
Email: ktjrh@southernco.com
Phone: (470) 217-0008
Requested Due Date: Standard

Invoice Information:
Attention: Kristen Juritko, Cassidy Sutherland
Company Name: Georgia Power
Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308
Peace Quote: bonnie.vanig@pacelabs.com
Peace Project Manager:
Peace Profile #: 10850-4

Section B
Report To: Kristen Juritko, Cassidy Sutherland
Copy To: Laura Midkiff, Ben Hodges, Mike Stralloy
Nocelia Gang
Project Name: Bowen LF Cells 142
Purchase Order #: Bowen LF Cells 142
Project #: 10850-4
State / Location: GA
Regulatory Agency

Section C

Regulated Analytes Filtered (Y/N)

Y/N	UJV + State Metals	CI, F, BQ4	TDS	Alkalinity

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-RAB C-COMP)	COLLECTED		# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	Y/N	TEMP in C	Received on	Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
			DATE	TIME																
25	BOW-LF1-2-FD-10	WG G																		
26	BOW-LF1-2-FD-11	WG G																		
27	BOW-LF1-2-FD-12	WG G																		
28	BOW-LF1-2-FB-	WG G																		
29	BOW-LF1-2-FB-	WG G																		
30	BOW-LF1-2-FB-	WG G																		
31	BOW-LF1-2-FB-19	WG G	2/21/23	1540	4	3														
32	BOW-LF1-2-EB-	WG G																		
33	BOW-LF1-2-EB-	WG G																		
34	BOW-LF1-2-EB-	WG G																		
35																				
36																				

REQUIRED BY / AFFILIATION: *Yasmin Williams*
 DATE: *2/21/23*
 TIME: *1625*
 ACCEPTED BY / AFFILIATION: *Kyan Williams*
 DATE: *2/21/23*
 TIME: *0934*

ADDITIONAL COMMENTS:
 Bowen LF Cells 142
 Kyan Williams Pro

SAMPLER NAME AND SIGNATURE:
 PRINT Name of SAMPLER: Kevin Stephenson, William Leaker, Meredith Duncan
 SIGNATURE of SAMPLER: *[Signature]*
 DATE Signed: 2/21/23

Resolute Environmental



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://rfr.pacelabs.com/hubs/pas-standard-terms.pdf>.

Page: 2 of 3

Section A Client Information

Company: Georgia Power	Report To: Kristen Jurinko, Cassidy Suherland
Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308	Copy To: Laura Midkiff, Ben Hodges, Mike Smiley
Email: kjurinko@southermo.com	Project Name: Bowen LF Cells 1&2
Phone: (470) 217-0008	Project #: Standard
Requested Due Date: Standard	
Invoice Information:	
Company Name: Georgia Power	Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308
Pace Project Manager: bonnie.vane@pacelabs.com	Pace Profile #: 10850-4
Regulatory Agency	State / Location: GA

Section B Required Project Information

Report To: Kristen Jurinko, Cassidy Suherland
 Copy To: Laura Midkiff, Ben Hodges, Mike Smiley
 Project Name: Bowen LF Cells 1&2
 Project #: Standard
 Pace Project Manager: bonnie.vane@pacelabs.com
 Pace Profile #: 10850-4

Section C Requested Analytical Elements (Y/N)

Requested Analytical Elements (Y/N)
Analyses Test
UV + State Metals
CI, P, SO4
TDS
Alkalinity
Preservatives
Unpreserved
H2SO4
HNO3
HCl
NaOH
MnSO3
Mercuri
Other

ITEM #	MATRIX	CODE	MATRIX CODE (see yard codes to R/M)	SAMPLE TYPE (G-GRAB C-COM?)	COLLECTED DATE	TIME	DATE	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP °C	Revised on	For (Y/N)	Custody (Y/N)	Cooled (Y/N)	Sealed (Y/N)	Samples Intact (Y/N)		
13	BOW-GWC-8RR	DW	WG G	G																		
14	BOW-GWC-9	WT	WG G	G																		
15	BOW-GWC-10	SL	WG G	G																		
16	BOW-GWC-10R	SL	WG G	G																		
17	BOW-GWC-11	SL	WG G	G																		
18	BOW-GWC-11R	SL	WG G	G																		
19	BOW-GWC-12	SL	WG G	G																		
20	BOW-GWC-13	SL	WG G	G																		
21	BOW-GWC-13RZ	SL	WG G	G		2/22/23	1130															
22	BOW-GWC-14Z	SL	WG G	G		2/22/23	1005															
23	BOW-GWC-15R	SL	WG G	G		2/22/23	1312															
24	BOW-GWC-15Z	SL	WG G	G		2/22/23	1335															
						2/22/23	1045															

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

Task Code: BOW-CGR-A35MT-2003351
 Signature of Sampler: *[Signature]*
 Print Name of Sampler: Kegan Williams / Pace
 Date Signed: 2/22/23
 Resolute Environmental



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.paceelabs.com/whats-pass-standard-terms.pdf>.

Section A
Required Client Information:
 Company: Georgia Power
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308
 Email: krjunnid@southernco.com
 Phone: (470) 217-0008
 Requested Due Date: Standard

Section B
Required Project Information:
 Report To: Kristen Jurriko, Cassidy Sutherland
 Copy To: Laura Mickliff, Ben Hodges, Mike Smalley
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
 Project Name: Bowen LF Cells 1&2
 Project #:
 Purchase Order #:
 Project Manager: bonnie.yang@paceelabs.com
 Pace Profile #: 10850-4

Section C
Invoicing Information:
 Attention:
 Company Name: Georgia Power
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
 Pace Order:
 Pace Project Manager:
 Pace Profile #: 10850-4

Regulatory Agency:
State / Location: GA

ITEM #	MATRIX	MATRIX CODE (see yield codes B-W)	SAMPLE TYPE (A=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	PRESERVATIVES	ANALYSES TEST	TEMP IN C	RECEIVED ON	CUSTODY	SEALED	COOLER	INTERACT
				DATE	TIME									
25	BOWLF1-2-FD-10	WG G	G											
26	BOWLF1-2-FD-11	WG G	G											
27	BOWLF1-2-FD-12	WG G	G	2/22/23	1400	43	Unpreserved	H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Other	In/V + State Metals C, F, SO4 TDS Alkalinity					
28	BOWLF1-2-FB-20	WQ G	G	2/22/23	1400	32								
29	BOWLF1-2-FB-	WQ G	G											
30	BOWLF1-2-FB-	WQ G	G											
31	BOWLF1-2-FB-	WQ G	G											
32	BOWLF1-2-EB-	WQ G	G											
33	BOWLF1-2-EB-	WQ G	G											
34	BOWLF1-2-EB-	WQ G	G											
35														

ADDITIONAL COMMENTS:
 Ryan Williams / Pace
 2/23/23 0934
 2/23/23 1025

RECEIVED BY / AFFILIATION: Ryan Williams / Pace
DATE: 2/23/23
TIME: 0934

ACCEPTED BY / AFFILIATION:
DATE: 2/22/23
TIME:

SAMPLER NAME AND SIGNATURE:
 PRINT Name of SAMPLER: Ryan Williams
 SIGNATURE of SAMPLER: *[Signature]*
 Resolute Environmental

DATE SIGNED: 2/22/23

TEST CODE: BOW-CCR-ASSHT-2023B1

March 24, 2023

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen LF cells 9&10
Pace Project No.: 92657598

Dear Joju Abraham:

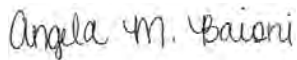
Enclosed are the analytical results for sample(s) received by the laboratory on March 17, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Angela Baioni for
Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power-CCR
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Michael Smilley, Georgia Power
Brian Steele, Stantec
Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92657598001	BOW-GWC-48	Water	03/16/23 12:05	03/17/23 14:38
92657598002	BOW-LF9-10-FD-01	Water	03/16/23 00:00	03/17/23 14:38
92657598003	BOW-LF9-10-FB-01	Water	03/16/23 12:25	03/17/23 14:38

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92657598001	BOW-GWC-48	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1
92657598002	BOW-LF9-10-FD-01	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1
92657598003	BOW-LF9-10-FB-01	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92657598001	BOW-GWC-48					
	Performed by	Client			03/17/23 16:12	
	Collected By	William Laaker			03/17/23 16:12	
	Collected Date	03/16/23			03/17/23 16:12	
	Collected Time	12:05			03/17/23 16:12	
	pH	4.55	Std. Units		03/17/23 16:12	
EPA 7470A	Mercury	0.00045	mg/L	0.00020	03/22/23 11:39	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	03/18/23 12:56	
92657598002	BOW-LF9-10-FD-01					
EPA 7470A	Mercury	0.00047	mg/L	0.00020	03/22/23 11:42	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	03/18/23 13:11	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Sample: BOW-GWC-48 **Lab ID: 92657598001** Collected: 03/16/23 12:05 Received: 03/17/23 14:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/17/23 16:12		
Collected By	William Laaker				1		03/17/23 16:12		
Collected Date	03/16/23				1		03/17/23 16:12		
Collected Time	12:05				1		03/17/23 16:12		
pH	4.55	Std. Units			1		03/17/23 16:12		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00045	mg/L	0.00020	0.00013	1	03/22/23 07:40	03/22/23 11:39	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	5.4	mg/L	1.0	0.60	1		03/18/23 12:56	16887-00-6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Sample: BOW-LF9-10-FD-01		Lab ID: 92657598002		Collected: 03/16/23 00:00	Received: 03/17/23 14:38	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	0.00047	mg/L	0.00020	0.00013	1	03/22/23 07:40	03/22/23 11:42	7439-97-6	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	5.4	mg/L	1.0	0.60	1		03/18/23 13:11	16887-00-6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Sample: BOW-LF9-10-FB-01 Lab ID: 92657598003 Collected: 03/16/23 12:25 Received: 03/17/23 14:38 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/22/23 07:40	03/22/23 11:45	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		03/18/23 13:25	16887-00-6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

QC Batch: 762902

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92657598001, 92657598002, 92657598003

METHOD BLANK: 3961991

Matrix: Water

Associated Lab Samples: 92657598001, 92657598002, 92657598003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/22/23 10:31	

LABORATORY CONTROL SAMPLE: 3961992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3961993 3961994

Parameter	Units	92656875003		3961994		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Mercury	mg/L	ND	0.0025	0.0021	0.0021	83	84	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3961995 3961996

Parameter	Units	92656875005		3961996		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Mercury	mg/L	ND	0.0025	0.0021	0.0023	85	93	75-125	9	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

QC Batch: 762285	Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993	Analysis Description: 300.0 IC Anions
	Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92657598001, 92657598002, 92657598003

METHOD BLANK: 3959316 Matrix: Water

Associated Lab Samples: 92657598001, 92657598002, 92657598003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/18/23 11:30	

LABORATORY CONTROL SAMPLE: 3959317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3959318 3959319

Parameter	Units	3959318		3959319		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.0	50	49.2	49.8	94	96	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3959320 3959321

Parameter	Units	3959320		3959321		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.2	50	49.5	51.2	94	98	90-110	4	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92657598001	BOW-GWC-48				
92657598001	BOW-GWC-48	EPA 7470A	762902	EPA 7470A	762920
92657598002	BOW-LF9-10-FD-01	EPA 7470A	762902	EPA 7470A	762920
92657598003	BOW-LF9-10-FB-01	EPA 7470A	762902	EPA 7470A	762920
92657598001	BOW-GWC-48	EPA 300.0 Rev 2.1 1993	762285		
92657598002	BOW-LF9-10-FD-01	EPA 300.0 Rev 2.1 1993	762285		
92657598003	BOW-LF9-10-FB-01	EPA 300.0 Rev 2.1 1993	762285		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



DC#_ Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #:

WO#: 92657598



Courier:

Commercial

Fed Ex

Pace

UPS

USPS

Other:

Client

Custody Seal Present?

Yes

No

Seals Intact?

Yes

No

Date/Initials Person Examining Contents: 3-17-23 AX

Packing Material:

Bubble Wrap

Bubble Bags

None

Other

Biological Tissue Frozen?

Yes

No

N/A

Thermometer:

IR Gun ID:

0983

Type of Ice:

Wet

Blue

None

Cooler Temp:

4.1

Correction Factor: Add/Subtract (°C)

+0.2

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

4.3

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	WG	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92657598

PM: BV

Due Date: 03/23/23

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pace-standard-terms.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Required Client Information: Company: Georgia Power; Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308; Phone: (470) 217-0008; Fax: (470) 217-0008; Email: kevinr@geopacelabs.com; Requested Due Date: 3 - 6 Day TAT (Mercury)

Section B Required Project Information: Report To: Kristin Jurinic, Cassidy Sutherland; Copy To: Laura Madoff, Ben Hodges, Mike Smalley; Purchase Order #: Noodle Gang; Project Name: Bowen LF Calls 9&10; Project #:

Section C Invoice Information: Attention: Company Name: Georgia Power; Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308; Pace Quote: Pace Project Manager: bonnie.vang@pacelabs.com; Pace Profile #: 10850-4; Requested Analyte: Residual Chlorine (Y/N)

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS		Preservatives	Analyses Test	Residual Chlorine (Y/N)	pH	TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	
					DATE	TIME		Unpreserved	H2SO4									HNO3
1	BOW-GWC-48	WG	WG	G	3/16/23	1205	2	1	1		X	X	4.55	021				
2	BOW-LP9-10-FD-01	WG	WG	G	3/16/23	---	2	1	1		X	X	1352					
3	BOW-LP9-10-FB-01	WG	WG	G	3/16/23	1225	2	1	1		X	X	1053					
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION					DATE	TIME	SAMPLE CONDITIONS			
Task Code: BOW-CFR-48SH1-20231R1					William Leaker	3/17/23	0835	Ryan William / Pace					3/17/23	0835				
Task Code: BOW-CFR-48SH1-20231R1					Ryan William / Pace	3/16/23	1438	Ryan William / Pace					3/19/23	1438				

April 18, 2023

Cassidy Sutherland
Stantec
601 Grassmere Park Road
Suite 22
Nashville, TN 37211

RE: Project: Bowen LF Cells 1&2
Pace Project No.: 92661713

Dear Cassidy Sutherland:

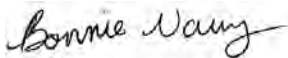
Enclosed are the analytical results for sample(s) received by the laboratory on April 11, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Kristen Jurinko, Southern Company
Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Brian Steele, Stantec



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92661713001	BOW-GWC-13	Water	04/11/23 10:05	04/11/23 11:40
92661713002	BOW-LF1-2-FD-02	Water	04/11/23 00:00	04/11/23 11:40
92661713003	BOW-LF1-2-FB-02	Water	04/11/23 10:15	04/11/23 11:40

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92661713001	BOW-GWC-13	SM 2540C-2015	DL1	1
92661713002	BOW-LF1-2-FD-02	SM 2540C-2015	DL1	1
92661713003	BOW-LF1-2-FB-02	SM 2540C-2015	DL1	1

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92661713001	BOW-GWC-13					
	Performed by	Customer			04/12/23 08:42	
	pH	6.69	Std. Units		04/12/23 08:42	
SM 2540C-2015	Total Dissolved Solids	120	mg/L	25.0	04/12/23 16:13	
92661713002	BOW-LF1-2-FD-02					
SM 2540C-2015	Total Dissolved Solids	127	mg/L	25.0	04/12/23 16:13	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-GWC-13 Lab ID: 92661713001 Collected: 04/11/23 10:05 Received: 04/11/23 11:40 Matrix: Water									
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	Customer				1		04/12/23 08:42		
pH	6.69	Std. Units			1		04/12/23 08:42		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	120	mg/L	25.0	25.0	1		04/12/23 16:13		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Sample: BOW-LF1-2-FD-02 **Lab ID: 92661713002** Collected: 04/11/23 00:00 Received: 04/11/23 11:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	127	mg/L	25.0	25.0	1		04/12/23 16:13		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: BOW-LF1-2-FB-02 Lab ID: 92661713003 Collected: 04/11/23 10:15 Received: 04/11/23 11:40 Matrix: Water									
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		04/12/23 16:13		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2
Pace Project No.: 92661713

QC Batch: 767544 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92661713001, 92661713002, 92661713003

METHOD BLANK: 3985000 Matrix: Water
Associated Lab Samples: 92661713001, 92661713002, 92661713003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	04/12/23 16:10	

LABORATORY CONTROL SAMPLE: 3985001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	396	99	80-120	

SAMPLE DUPLICATE: 3985002

Parameter	Units	92661663001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	565	566	0	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92661713001	BOW-GWC-13				
92661713001	BOW-GWC-13	SM 2540C-2015	767544		
92661713002	BOW-LF1-2-FD-02	SM 2540C-2015	767544		
92661713003	BOW-LF1-2-FB-02	SM 2540C-2015	767544		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

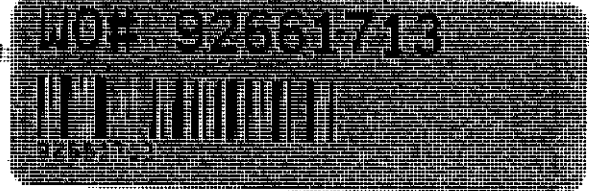
Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicalville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #



Courier: Fed.Ex UPS USPS Client Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 04/11/23 ST

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 32.8 Correction Factor: Add/Subtract (°C) +0.2

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 33.0

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	GW	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92661713

PM - BV

Due Date: 04/18/23

CLIENT: 92-GP-BOWLF

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGJU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																														
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A		Section B		Section C	
Requested Client Information:		Requested Project Information:		Invoice Information:	
Company: Georgia Power	Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308	Request To: Kristen Luning, Casey Sutherland	Copy To: Laura Maultiff, Brad Hodges, Mike Smiley, Nicole Grant	Company Name: Georgia Power	Attention:
Phone: (478) 217-0008	Requested Due Date: Standard	Purchase Order #: BOWEN LF Cells 1&2	Project Name: Bowen LF Cells 1&2	Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Invoice Number:
Email: kristen.luning@ge.com		Project #:		Facs Project Manager: doortje.vanoo@ge.com	Facs Profile #: 310850-4
Regulatory Agency: GA		State / Location: GA		Requested Analytical Filtered (Y/N)	

ITEM #	SAMPLE ID <small>One character per box. (A-Z, 0-9 /, -,) Sample IDs must be unique</small>	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE <small>(G-GRAB C-COMP)</small>	COLLECTED		SAMPLE	# OF CC	PRESERVATIVES						ANALYSES TEST	Y/N	Residual Chlorine (Y/N)	
				DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3				Methanol
1	BOW-GWC-13	GW G	G	4/11/23	1005	X											9266715
2	BOW-LF-2-FD-02	GW G	G	4/11/23	---	X											932
3	BOW-LF-2-FB-02	GW G	G	4/11/23	1015	X											933
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				ACCEPTED BY / AFFILIATION				SAMPLE CONDITIONS			
This code: BOW-COR-ASSMT-2023S-1P1				Meredith Duncan Kym William / Koa				Kym William / Koa				TEMP in C			
				4/11/23 11:40				4/11/23 1700				Received on Ice (Y/N)			
				K								Custody Sealed Cooler (Y/N)			
												Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE		DATE SIGNED	
PROJECT NAME OF SAMPLER: Meredith Duncan		4/11/23	
SIGNATURE OF SAMPLER: <i>[Signature]</i>		4/11/23	

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed three data packages from Pace Analytical for the analysis of water samples collected from February 8 to February 22, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Field Sampling Plan – Plant Bowen (Amec Foster Wheeler, 2016).

Intended Use of Data: To delineate concentrations of constituents of concern in site groundwater.

Analyses requested included:

- SW-846 6010D – Zinc and Calcium by inductively coupled plasma – atomic emission spectrometry (ICP – AES)
- SW-846 6020B – Metals by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- SM 2320B – Total Alkalinity, Bicarbonate, Carbonate

Data were reviewed and validated as described in the field sampling plan and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Thirty-three (33) groundwater samples, six (6) field blanks, and four (4) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a through 3e summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at temperatures ranging from 1.4°C to 4°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks with the following exceptions:

SDG 92651771

- Chromium was detected in the method blank in batch 3939084 at a concentration of 0.0011 mg/L. No samples had reported values less than ten times the blank concentration; therefore, no qualifications were necessary.

SDG 92652194

- All method blank results were reported as not detected.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

SDG 92651771

- All field blank results were reported as not detected.

SDG 92652194

- Mercury was detected in the field blank BOW-LF9-10-FB-13 (02/13/2023) at a concentration below the laboratory Reporting Limit (RL). Four samples (BOW-GWA-41, BOW-GWA-41R, BOW-GWA-41R, and BOW-GWA-41R) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- TDS was detected in the field blank BOW-LF9-10-FB-13 (02/13/2023) at a concentration above the laboratory Reporting Limit (RL). Seven samples (BOW-GWA-39Z, BOW-GWA-40, BOW-GWA-41, BOW-GWA-41R, BOW-GWA-41R, BOW-GWA-41R, and BOW-GWA-41R) had reported values less than 10 times the blank concentration and have been qualified as estimated.

SDG 92652951

- TDS was detected in the field blank BOW-LF1-2-FB-16 (02/16/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWA-2, BOW-GWA-2R, BOW-GWA-1, and BOW-LF1-2-FD-10) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Thallium was detected in the field blank BOW-LF1-2-FB-17 (02/17/2023) at a concentration above the laboratory Reporting Limit (RL). All associated samples were reported as not detected and since the bias is high, no qualification was necessary.
- TDS was detected in the field blank BOW-LF1-2-FB-17 (02/17/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWC-6RZ, BOW-GWA-3A, BOW-GWA-4RZ, and BOW-GWC-6) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Mercury was detected in the field blank BOW-LF1-2-FB-18 (02/20/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWC-10, BOW-GWC-11, BOW-GWC-10R, and BOW-GWC-11R) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Arsenic was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration below the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-9 and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Vanadium was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration above the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations

greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-9 and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.

- Fluoride was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration below the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-8RR and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria with the following exceptions:

SDG 92651771

- Alkalinity had a high MS percent recovery in the sample BOW-LF3-4-FB-11. However, because the bias was high and the parent sample result was non-detect, no qualification was necessary.

SDG 92652194

- All matrix spike recoveries were within laboratory limits.

SDG 92652951

- All matrix spike recoveries were within laboratory limits.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria with the following exceptions:

SDG 92651771

- All laboratory duplicate RPDs were within laboratory limits.

SDG 92652194

- TDS had high laboratory duplicate RPDs in samples BOW-LF9-10-FB-13, BOW-GWA-39RZ, and BOW-GWC-47. TDS in these samples has been qualified as estimated (“J”).

SDG 92652194

- All laboratory duplicate RPDs were within laboratory limits.

Field Precision

Five sets of field duplicate samples were collected for this sampling event (see Tables 3a – 3e for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less

than two times the RL are also considered acceptable (qualified “A*”). All field duplicate precision was considered acceptable with the following exceptions:

- TDS in the duplicate pair BOW-LF9-10-FD-08/ BOW-GWA-40 was detected at levels greater than five times the RL and an RPD greater than 25%. TDS in both samples has been qualified as estimated (“J”).
- TDS in the duplicate pair BOW-LF3-4-FD-07/ BOW-GWC-20R was detected at levels greater than five times the RL and an RPD greater than 25%. TDS in both samples has been qualified as estimated (“J”).

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

Amec Foster Wheeler, 2016. Arkwright Field Sampling Plan. October.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 9265291
 March 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-GWA-36A	92651771001	92651771	2/8/2023
BOW-GWA-36RA	92651771002	92651771	2/8/2023
BOW-GWA-37	92651771003	92651771	2/8/2023
BOW-GWA-38	92651771004	92651771	2/8/2023
BOW-GWC-18	92651771005	92651771	2/9/2023
BOW-GWC-18R	92651771006	92651771	2/9/2023
BOW-GWC-19R	92651771007	92651771	2/9/2023
BOW-GWC-21R	92651771008	92651771	2/9/2023
BOW-GWC-22R	92651771009	92651771	2/9/2023
BOW-GWC-24R	92651771010	92651771	2/9/2023
BOW-GWC-25R	92651771011	92651771	2/9/2023
BOW-LF3-4-FB-11	92651771012	92651771	2/9/2023
BOW-LF3-4-FD-06	92651771013	92651771	2/8/2023
BOW-LF3-4-FB-10	92651771014	92651771	2/8/2023
BOW-GWC-16R	92651771015	92651771	2/10/2023
BOW-GWC-17R	92651771016	92651771	2/10/2023
BOW-GWC-20R	92651771017	92651771	2/10/2023
BOW-GWC-23R	92651771018	92651771	2/10/2023
BOW-SPRING	92651771019	92651771	2/10/2023
BOW-LF3-4-FD-07	92651771020	92651771	2/10/2023
BOW-LF3-4-FB-12	92651771021	92651771	2/10/2023
BOW-GWA-39Z	92652194001	92652194	2/13/2023
BOW-GWA-40	92652194002	92652194	2/13/2023
BOW-GWA-41	92652194003	92652194	2/13/2023
BOW-GWA-41R	92652194004	92652194	2/13/2023
BOW-GWA-42	92652194005	92652194	2/13/2023
BOW-GWA-43R	92652194006	92652194	2/13/2023
BOW-LF9-10-FD-	92652194007	92652194	2/13/2023
BOW-LF9-10-FB-	92652194008	92652194	2/13/2023
BOW-GWA-39RZ	92652194009	92652194	2/14/2023
BOW-GWA-43	92652194010	92652194	2/14/2023
BOW-GWA-44	92652194011	92652194	2/14/2023
BOW-GWA-46R	92652194012	92652194	2/14/2023
BOW-GWA-49R	92652194013	92652194	2/14/2023
BOW-GWA-49Z	92652194014	92652194	2/14/2023
BOW-LF9-10-FB-	92652194015	92652194	2/14/2023
BOW-LF9-10-EB-5	92652194016	92652194	2/14/2023
BOW-GWC-45	92652194017	92652194	2/14/2023
BOW-GWC-45R	92652194018	92652194	2/14/2023
BOW-GWC-47	92652194019	92652194	2/14/2023
BOW-GWC-47R	92652194020	92652194	2/14/2023
BOW-GWC-48	92652194021	92652194	2/14/2023

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 9265291
 March 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-LF9-10-FD-	92652194022	92652194	2/14/2023
BOW-LF9-10-FB-	92652194023	92652194	2/14/2023
BOW-GWA-1	92652951001	92652951	2/16/2023
BOW-GWA-2	92652951002	92652951	2/16/2023
BOW-GWA-2R	92652951003	92652951	2/16/2023
BOW-GWA-50	92652951004	92652951	2/16/2023
BOW-GWA-50R	92652951006	92652951	2/16/2023
BOW-LF1-2-FD-10	92652951006	92652951	2/16/2023
BOW-LF1-2-FB-16	92652951007	92652951	2/16/2023
BOW-GWC-5	92652951008	92652951	2/20/2023
BOW-GWC-7Z	92652951009	92652951	2/20/2023
BOW-GWC-8Z	92652951010	92652951	2/20/2023
BOW-GWC-3A	92652951011	92652951	2/17/2023
BOW-GWC-4RZ	92652951012	92652951	2/17/2023
BOW-GWC-6	92652951013	92652951	2/17/2023
BOW-GW-6RZ	92652951014	92652951	2/17/2023
BOW-GWC-10	92652951015	92652951	2/20/2023
BOW-GWC-10R	92652951016	92652951	2/20/2023
BOW-GWC-11	92652951017	92652951	2/20/2023
BOW-GWC-11R	92652951018	92652951	2/20/2023
BOW-LF1-2-FD-11	92652951019	92652951	2/20/2023
BOW-LF1-2-FB-18	92652951020	92652951	2/20/2023
BOW-LF1-2-FB-17	92652951021	92652951	2/17/2023
BOW-GWC-8RR	92652951022	92652951	2/21/2023
BOW-GWC-9	92652951023	92652951	2/21/2023
BOW-GWC-12	92652951024	92652951	2/21/2023
BOW-LF1-2-FB-19	92652951025	92652951	2/21/2023
BOW-GWC-13	92652951026	92652951	2/22/2023
BOW-GWC-13RZ	92652951027	92652951	2/22/2023
BOW-GWC-14Z	92652951028	92652951	2/22/2023
BOW-GWC-15R	92652951029	92652951	2/22/2023
BOW-GWC-15Z	92652951030	92652951	2/22/2023
BOW-LF1-2-FB-20	92652951031	92652951	2/22/2023
BOW-LF1-2-FD-12	92652951032	92652951	2/22/2023

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 9265291
 March 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
BOW-GWA-39Z	TDS	J	Detected in FB
BOW-GWA-39RZ	TDS	J	High LD RPD
BOW-GWA-40	TDS	J	Detected in FB
BOW-GWA-41	Mercury	J	Detected in FB
BOW-GWA-41	TDS	J	Detected in FB
BOW-GWA-41R	Mercury	J	Detected in FB
BOW-GWA-41R	TDS	J	Detected in FB
BOW-LF9-10-FB-13	TDS	J	High LD RPD
BOW-GWC-47	TDS	J	High LD RPD
BOW-LF3-4-FD-07	TDS	J	High FD RPD
BOW-GWC-20R	TDS	J	High FD RPD
BOW-GWA-2	TDS	J	Detected in FB
BOW-GWA-2R	TDS	J	Detected in FB
BOW-GWA-1	TDS	J	Detected in FB
BOW-LF1-2-FD-10	TDS	J	Detected in FB
BOW-GWC-6RZ	TDS	J	Detected in FB
BOW-GWA-3A	TDS	J	Detected in FB
BOW-GWA-4RZ	TDS	J	Detected in FB
BOW-GWC-6	TDS	J	Detected in FB
BOW-GWC-10	Mercury	J	Detected in FB
BOW-GWC-11	Mercury	J	Detected in FB
BOW-GWC-10R	Mercury	J	Detected in FB
BOW-GWC-11R	Mercury	J	Detected in FB
BOW-GWC-9	Arsenic	J	Detected in FB
BOW-GWC-12	Arsenic	J	Detected in FB

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 9265291
 March 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
BOW-GWC-9	Vanadium	J	Detected in FB
BOW-GWC-12	Vanadium	J	Detected in FB
BOW-GWC-8RR	Fluoride	J	Detected in FB
BOW-GWC-12	Fluoride	J	Detected in FB
BOW-LF9-10-FD-08	TDS	J	High FD RPD
BOW-GWA-40	TDS	J	High FD RPD

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.

J+ – The analyte was detected in an associated blank; estimated data with a high bias.

R – Rejected data due to one or more QC requirements.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination. The associated value is an estimate and may be inaccurate or imprecise.

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 9265291
 March 2023

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-FL3-4-FD-06 / BOW-GWA-38	Calcium	<u>1.3</u>	1.30	0.0%	A
	Barium	0.013	0.0130	NC	A*
	Chromium	0.0012	0.00190	NC	A*
	Cobalt	0.001	0.00100	NC	A*
	Nickel	0.00091	0.000890	NC	A*
	Total Dissolved Solids	31	48	NC	A*
	Chloride	0.9	3.50	NC	A*
	Sulfate	3.5	0.860	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF3-4-FD-07 / BOW-GWC-20R	Calcium	38.4	37.7	1.84%	A
	Barium	0.031	0.0310	0.0%	A
	Total Dissolved Solids	226	169	28.6%	J
	Alkalinity, Bicarbonate (CaCO ₃)	181	172	5.1%	A
	Alkalinity, Total as CaCO ₃	181	172	5.1%	A
	Chloride	2	2.00	NC	A*
	Fluoride	0.054	0.0530	NC	A*
	Sulfate	1.8	1.80	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 9265291
 March 2023

Table 3c – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-08 / BOW-GWA-40	Calcium	18.4	19.0	3.21%	A
	Barium	0.0075	0.00720	NC	A*
	Total Dissolved Solids	259	169	42.06%	J
	Alkalinity, Bicarbonate (CaCO ₃)	102	98.0	4.0%	A
	Alkalinity, Total as CaCO ₃	102	98.0	4.0%	A
	Chloride	1.1	1.00	NC	A*
	Fluoride	0.054	0.053	NC	A*
	Sulfate	1.4	1.40	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3d – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-09 / BOW-GWC-47	Zinc	0.05	0.0500	NC	A*
	Calcium	20.5	20.2	1.47%	A
	Barium	0.0075	0.00800	NC	A*
	Chromium	0.0018	0.00150	NC	A*
	Total Dissolved Solids	111	96.9	NC	A*
	Alkalinity, Bicarbonate (CaCO ₃)	99.2	98.8	0.4%	A
	Alkalinity, Total as CaCO ₃	99.2	98.8	0.4%	A
	Chloride	2	2	NC	A*
	Fluoride	0.064	0.0680	NC	A*
	Sulfate	4.3	4.20	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 9265291
 March 2023

Table 3e – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-10 / BOW-GWA-50R	Calcium	0.81	0.81	NC	A*
	Barium	0.0081	0.008	NC	A*
	Copper	0.0028	0.0028	NC	A*
	Nickel	0.00081	0.00088	NC	A*
	Silver	0.0011	0.0010	NC	A*
	Chloride	0.71	0.74	NC	A*
	Sulfate	0.58	0.57	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3f – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-11 / BOW-GWC-11	Alkalinity, Total (as CaCO ₃)	38.3	37.9	1.05%	A
	Alkalinity, Bicarbonate (as CaCO ₃)	38.3	37.9	1.05%	A
	TDS	98	50	NC	A*
	Sulfate	1.7	1.7	NC	A*
	Chloride	1.2	1.2	NC	A*
	Calcium	7.4	7.3	1.36%	A
	Barium	0.0071	0.0072	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 9265291
 March 2023

Table 3g – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-12/ BOW-GWC-15Z	Calcium	24.4	24.7	1.22%	A
	Barium	0.01	0.01	NC	A*
	Total Alk	124	124	0.0%	A
	Alkalinity, Bicarbonate	124	124	0.0%	A
	TDS	111	112	NC	A*
	Chloride	0.83	0.82	NC	A*
	Sulfate	0.81	0.8	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed three data packages from Pace Analytical for the analysis of water samples collected from February 8 to March 16, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Field Sampling Plan – Plant Bowen (Amec Foster Wheeler, 2016).

Intended Use of Data: To delineate concentrations of constituents of concern in site groundwater.

Analyses requested included:

- SW-846 6010D – Zinc and Calcium by inductively coupled plasma – atomic emission spectrometry (ICP – AES)
- SW-846 6020B – Metals by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- SM 2320B – Total Alkalinity, Bicarbonate, Carbonate

Data were reviewed and validated as described in the field sampling plan and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Thirty-three (33) groundwater samples, six (6) field blanks, and four (4) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a through 3e summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at temperatures ranging from 1.4°C to 4°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks with the following exceptions:

SDG 92651771

- Chromium was detected in the method blank in batch 3939084 at a concentration of 0.0011 mg/L. No samples had reported values less than ten times the blank concentration; therefore, no qualifications were necessary.

SDG 92652194

- All method blank results were reported as not detected.

SDG 92652951

- All method blank results were reported as not detected.

SDG 92657598

- All method blank results were reported as not detected.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

SDG 92651771

- All field blank results were reported as not detected.

SDG 92652194

- Mercury was detected in the field blank BOW-LF9-10-FB-13 (02/13/2023) at a concentration below the laboratory Reporting Limit (RL). Four samples (BOW-GWA-41, BOW-GWA-41R, BOW-GWA-41R, and BOW-GWA-41R) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- TDS was detected in the field blank BOW-LF9-10-FB-13 (02/13/2023) at a concentration above the laboratory Reporting Limit (RL). Seven samples (BOW-GWA-39Z, BOW-GWA-40, BOW-GWA-41, BOW-GWA-41R, BOW-GWA-41R, BOW-GWA-41R, and BOW-GWA-41R) had reported values less than 10 times the blank concentration and have been qualified as estimated.

SDG 92652951

- TDS was detected in the field blank BOW-LF1-2-FB-16 (02/16/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWA-2, BOW-GWA-2R, BOW-GWA-1, and BOW-LF1-2-FD-10) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Thallium was detected in the field blank BOW-LF1-2-FB-17 (02/17/2023) at a concentration above the laboratory Reporting Limit (RL). All associated samples were reported as not detected and since the bias is high, no qualification was necessary.
- TDS was detected in the field blank BOW-LF1-2-FB-17 (02/17/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWC-6RZ, BOW-GWA-3A, BOW-GWA-4RZ, and BOW-GWC-6) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Mercury was detected in the field blank BOW-LF1-2-FB-18 (02/20/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWC-10, BOW-GWC-11, BOW-GWC-10R, and BOW-GWC-11R) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Arsenic was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration below

the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-9 and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.

- Vanadium was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration above the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-9 and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Fluoride was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration below the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-8RR and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.

SDG 92657598

- All field blank results were reported as not detected.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria with the following exceptions:

SDG 92651771

- Alkalinity had a high MS percent recovery in the sample BOW-LF3-4-FB-11. However, because the bias was high and the parent sample result was non-detect, no qualification was necessary.

SDG 92652194

- All matrix spike recoveries were within laboratory limits.

SDG 92652951

- All matrix spike recoveries were within laboratory limits.

SDG 92657598

- All matrix spike recoveries were within laboratory limits.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria with the following exceptions:

SDG 92651771

- All laboratory duplicate RPDs were within laboratory limits.

SDG 92652194

- TDS had high laboratory duplicate RPDs in samples BOW-LF9-10-FB-13, BOW-GWA-39RZ, and BOW-GWC-47. TDS in these samples has been qualified as estimated (“J”).

SDG 92652194

- All laboratory duplicate RPDs were within laboratory limits.

SDG 92657598

- All laboratory duplicate RPDs were within laboratory limits.

Field Precision

Five sets of field duplicate samples were collected for this sampling event (see Tables 3a – 3h for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less than two times the RL are also considered acceptable (qualified “A*”). All field duplicate precision was considered acceptable with the following exceptions:

- TDS in the duplicate pair BOW-LF9-10-FD-08/ BOW-GWA-40 was detected at levels greater than five times the RL and an RPD greater than 25%. TDS in both samples has been qualified as estimated (“J”).
- TDS in the duplicate pair BOW-LF3-4-FD-07/ BOW-GWC-20R was detected at levels greater than five times the RL and an RPD greater than 25%. TDS in both samples has been qualified as estimated (“J”).

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

Amec Foster Wheeler, 2016. Arkwright Field Sampling Plan. October.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598
 March 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-GWA-36A	92651771001	92651771	2/8/2023
BOW-GWA-36RA	92651771002	92651771	2/8/2023
BOW-GWA-37	92651771003	92651771	2/8/2023
BOW-GWA-38	92651771004	92651771	2/8/2023
BOW-GWC-18	92651771005	92651771	2/9/2023
BOW-GWC-18R	92651771006	92651771	2/9/2023
BOW-GWC-19R	92651771007	92651771	2/9/2023
BOW-GWC-21R	92651771008	92651771	2/9/2023
BOW-GWC-22R	92651771009	92651771	2/9/2023
BOW-GWC-24R	92651771010	92651771	2/9/2023
BOW-GWC-25R	92651771011	92651771	2/9/2023
BOW-LF3-4-FB-11	92651771012	92651771	2/9/2023
BOW-LF3-4-FD-06	92651771013	92651771	2/8/2023
BOW-LF3-4-FB-10	92651771014	92651771	2/8/2023
BOW-GWC-16R	92651771015	92651771	2/10/2023
BOW-GWC-17R	92651771016	92651771	2/10/2023
BOW-GWC-20R	92651771017	92651771	2/10/2023
BOW-GWC-23R	92651771018	92651771	2/10/2023
BOW-SPRING	92651771019	92651771	2/10/2023
BOW-LF3-4-FD-07	92651771020	92651771	2/10/2023
BOW-LF3-4-FB-12	92651771021	92651771	2/10/2023
BOW-GWA-39Z	92652194001	92652194	2/13/2023
BOW-GWA-40	92652194002	92652194	2/13/2023
BOW-GWA-41	92652194003	92652194	2/13/2023
BOW-GWA-41R	92652194004	92652194	2/13/2023
BOW-GWA-42	92652194005	92652194	2/13/2023
BOW-GWA-43R	92652194006	92652194	2/13/2023
BOW-LF9-10-FD-08	92652194007	92652194	2/13/2023
BOW-LF9-10-FB-13	92652194008	92652194	2/13/2023
BOW-GWA-39RZ	92652194009	92652194	2/14/2023
BOW-GWA-43	92652194010	92652194	2/14/2023
BOW-GWA-44	92652194011	92652194	2/14/2023
BOW-GWA-46R	92652194012	92652194	2/14/2023
BOW-GWA-49R	92652194013	92652194	2/14/2023
BOW-GWA-49Z	92652194014	92652194	2/14/2023
BOW-LF9-10-FB-14	92652194015	92652194	2/14/2023
BOW-LF9-10-EB-5	92652194016	92652194	2/14/2023
BOW-GWC-45	92652194017	92652194	2/14/2023
BOW-GWC-45R	92652194018	92652194	2/14/2023
BOW-GWC-47	92652194019	92652194	2/14/2023
BOW-GWC-47R	92652194020	92652194	2/14/2023
BOW-GWC-48	92652194021	92652194	2/14/2023

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598
 March 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-LF9-10-FD-09	92652194022	92652194	2/14/2023
BOW-LF9-10-FB-15	92652194023	92652194	2/14/2023
BOW-GWA-1	92652951001	92652951	2/16/2023
BOW-GWA-2	92652951002	92652951	2/16/2023
BOW-GWA-2R	92652951003	92652951	2/16/2023
BOW-GWA-50	92652951004	92652951	2/16/2023
BOW-GWA-50R	92652951006	92652951	2/16/2023
BOW-LF1-2-FD-10	92652951006	92652951	2/16/2023
BOW-LF1-2-FB-16	92652951007	92652951	2/16/2023
BOW-GWC-5	92652951008	92652951	2/20/2023
BOW-GWC-7Z	92652951009	92652951	2/20/2023
BOW-GWC-8Z	92652951010	92652951	2/20/2023
BOW-GWC-3A	92652951011	92652951	2/17/2023
BOW-GWC-4RZ	92652951012	92652951	2/17/2023
BOW-GWC-6	92652951013	92652951	2/17/2023
BOW-GW-6RZ	92652951014	92652951	2/17/2023
BOW-GWC-10	92652951015	92652951	2/20/2023
BOW-GWC-10R	92652951016	92652951	2/20/2023
BOW-GWC-11	92652951017	92652951	2/20/2023
BOW-GWC-11R	92652951018	92652951	2/20/2023
BOW-LF1-2-FD-11	92652951019	92652951	2/20/2023
BOW-LF1-2-FB-18	92652951020	92652951	2/20/2023
BOW-LF1-2-FB-17	92652951021	92652951	2/17/2023
BOW-GWC-8RR	92652951022	92652951	2/21/2023
BOW-GWC-9	92652951023	92652951	2/21/2023
BOW-GWC-12	92652951024	92652951	2/21/2023
BOW-LF1-2-FB-19	92652951025	92652951	2/21/2023
BOW-GWC-13	92652951026	92652951	2/22/2023
BOW-GWC-13RZ	92652951027	92652951	2/22/2023
BOW-GWC-14Z	92652951028	92652951	2/22/2023
BOW-GWC-15R	92652951029	92652951	2/22/2023
BOW-GWC-15Z	92652951030	92652951	2/22/2023
BOW-LF1-2-FB-20	92652951031	92652951	2/22/2023
BOW-LF1-2-FD-12	92652951032	92652951	2/22/2023
BOW-GWC-48	92657598001	92657598	3/16/2023
BOW-LF9-10-FD-01	92657598001	92657598	3/16/2023
BOW-LF9-10-FB-01	92657598001	92657598	3/16/2023

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598
 March 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
BOW-GWA-39Z	TDS	J	Detected in FB
BOW-GWA-39RZ	TDS	J	High LD RPD
BOW-GWA-40	TDS	J	Detected in FB
BOW-GWA-41	Mercury	J	Detected in FB
BOW-GWA-41	TDS	J	Detected in FB
BOW-GWA-41R	Mercury	J	Detected in FB
BOW-GWA-41R	TDS	J	Detected in FB
BOW-LF9-10-FB-13	TDS	J	High LD RPD
BOW-GWC-47	TDS	J	High LD RPD
BOW-LF3-4-FD-07	TDS	J	High FD RPD
BOW-GWC-20R	TDS	J	High FD RPD
BOW-GWA-2	TDS	J	Detected in FB
BOW-GWA-2R	TDS	J	Detected in FB
BOW-GWA-1	TDS	J	Detected in FB
BOW-LF1-2-FD-10	TDS	J	Detected in FB
BOW-GWC-6RZ	TDS	J	Detected in FB
BOW-GWA-3A	TDS	J	Detected in FB
BOW-GWA-4RZ	TDS	J	Detected in FB
BOW-GWC-6	TDS	J	Detected in FB
BOW-GWC-10	Mercury	J	Detected in FB
BOW-GWC-11	Mercury	J	Detected in FB
BOW-GWC-10R	Mercury	J	Detected in FB
BOW-GWC-11R	Mercury	J	Detected in FB
BOW-GWC-9	Arsenic	J	Detected in FB
BOW-GWC-12	Arsenic	J	Detected in FB

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598
 March 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
BOW-GWC-9	Vanadium	J	Detected in FB
BOW-GWC-12	Vanadium	J	Detected in FB
BOW-GWC-8RR	Fluoride	J	Detected in FB
BOW-GWC-12	Fluoride	J	Detected in FB
BOW-LF9-10-FD-08	TDS	J	High FD RPD
BOW-GWA-40	TDS	J	High FD RPD

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.

J+ – The analyte was detected in an associated blank; estimated data with a high bias.

R – Rejected data due to one or more QC requirements.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination. The associated value is an estimate and may be inaccurate or imprecise.

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598
 March 2023

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-FL3-4-FD-06 / BOW-GWA-38	Calcium	<u>1.3</u>	1.30	0.0%	A
	Barium	0.013	0.0130	NC	A*
	Chromium	0.0012	0.00190	NC	A*
	Cobalt	0.001	0.00100	NC	A*
	Nickel	0.00091	0.000890	NC	A*
	Total Dissolved Solids	31	48	NC	A*
	Chloride	0.9	3.50	NC	A*
	Sulfate	3.5	0.860	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF3-4-FD-07 / BOW-GWC-20R	Calcium	38.4	37.7	1.84%	A
	Barium	0.031	0.0310	0.0%	A
	Total Dissolved Solids	226	169	28.6%	J
	Alkalinity, Bicarbonate (CaCO ₃)	181	172	5.1%	A
	Alkalinity, Total as CaCO ₃	181	172	5.1%	A
	Chloride	2	2.00	NC	A*
	Fluoride	0.054	0.0530	NC	A*
	Sulfate	1.8	1.80	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598
 March 2023

Table 3c – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-08 / BOW-GWA-40	Calcium	18.4	19.0	3.21%	A
	Barium	0.0075	0.00720	NC	A*
	Total Dissolved Solids	259	169	42.06%	J
	Alkalinity, Bicarbonate (CaCO ₃)	102	98.0	4.0%	A
	Alkalinity, Total as CaCO ₃	102	98.0	4.0%	A
	Chloride	1.1	1.00	NC	A*
	Fluoride	0.054	0.053	NC	A*
	Sulfate	1.4	1.40	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3d – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-09 / BOW-GWC-47	Zinc	0.05	0.0500	NC	A*
	Calcium	20.5	20.2	1.47%	A
	Barium	0.0075	0.00800	NC	A*
	Chromium	0.0018	0.00150	NC	A*
	Total Dissolved Solids	111	96.9	NC	A*
	Alkalinity, Bicarbonate (CaCO ₃)	99.2	98.8	0.4%	A
	Alkalinity, Total as CaCO ₃	99.2	98.8	0.4%	A
	Chloride	2	2	NC	A*
	Fluoride	0.064	0.0680	NC	A*
	Sulfate	4.3	4.20	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598
 March 2023

Table 3e – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-10 / BOW-GWA-50R	Calcium	0.81	0.81	NC	A*
	Barium	0.0081	0.008	NC	A*
	Copper	0.0028	0.0028	NC	A*
	Nickel	0.00081	0.00088	NC	A*
	Silver	0.0011	0.0010	NC	A*
	Chloride	0.71	0.74	NC	A*
	Sulfate	0.58	0.57	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3f – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-11 / BOW-GWC-11	Alkalinity, Total (as CaCO ₃)	38.3	37.9	1.05%	A
	Alkalinity, Bicarbonate (as CaCO ₃)	38.3	37.9	1.05%	A
	TDS	98	50	NC	A*
	Sulfate	1.7	1.7	NC	A*
	Chloride	1.2	1.2	NC	A*
	Calcium	7.4	7.3	1.36%	A
	Barium	0.0071	0.0072	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598
 March 2023

Table 3g – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-12/ BOW-GWC-15Z	Calcium	24.4	24.7	1.22%	A
	Barium	0.01	0.01	NC	A*
	Total Alk	124	124	0.0%	A
	Alkalinity, Bicarbonate	124	124	0.0%	A
	TDS	111	112	NC	A*
	Chloride	0.83	0.82	NC	A*
	Sulfate	0.81	0.8	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3h – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-1 / BOW-GWC-48	Chloride	5.4	5.4	0.0%	A
	Mercury	0.00045	0.00047	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed three data packages from Pace Analytical for the analysis of water samples collected from February 8 to April 11, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Field Sampling Plan – Plant Bowen (Amec Foster Wheeler, 2016).

Intended Use of Data: To delineate concentrations of constituents of concern in site groundwater.

Analyses requested included:

- SW-846 6010D – Inductively coupled plasma – atomic emission spectrometry (ICP – AES) – Zinc, calcium, iron, manganese, potassium, sodium, and magnesium
- SW-846 6020B – Metals by inductively coupled plasma - mass spectrometry (ICP/MS) - Antimony
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- SM 2320B – Total Alkalinity, Bicarbonate, Carbonate

Data were reviewed and validated as described in the field sampling plan and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Thirty-three (33) groundwater samples, six (6) field blanks, and four (4) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a through 3e summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at temperatures ranging from 1.4°C to 4°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks with the following exceptions:

SDG 92651771

- Chromium was detected in the method blank in batch 3939084 at a concentration of 0.0011 mg/L. No samples had reported values less than ten times the blank concentration; therefore, no qualifications were necessary.

SDG 92652194

- All method blank results were reported as not detected.

SDG 92652951

- All method blank results were reported as not detected.

SDG 92657598

- All method blank results were reported as not detected.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

SDG 92651771

- All field blank results were reported as not detected.

SDG 92652194

- Mercury was detected in the field blank BOW-LF9-10-FB-13 (02/13/2023) at a concentration below the laboratory Reporting Limit (RL). Four samples (BOW-GWA-41, BOW-GWA-41R, BOW-GWA-41R, and BOW-GWA-41R) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- TDS was detected in the field blank BOW-LF9-10-FB-13 (02/13/2023) at a concentration above the laboratory Reporting Limit (RL). Seven samples (BOW-GWA-39Z, BOW-GWA-40, BOW-GWA-41, BOW-GWA-41R, BOW-GWA-41R, BOW-GWA-41R, and BOW-GWA-41R) had reported values less than 10 times the blank concentration and have been qualified as estimated.

SDG 92652951

- TDS was detected in the field blank BOW-LF1-2-FB-16 (02/16/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWA-2, BOW-GWA-2R, BOW-GWA-1, and BOW-LF1-2-FD-10) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Thallium was detected in the field blank BOW-LF1-2-FB-17 (02/17/2023) at a concentration above the laboratory Reporting Limit (RL). All associated samples were reported as not detected and since the bias is high, no qualification was necessary.
- TDS was detected in the field blank BOW-LF1-2-FB-17 (02/17/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWC-6RZ, BOW-GWA-3A, BOW-GWA-4RZ, and BOW-GWC-6) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Mercury was detected in the field blank BOW-LF1-2-FB-18 (02/20/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWC-10, BOW-GWC-11, BOW-GWC-10R, and BOW-GWC-11R) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Arsenic was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration below

the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-9 and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.

- Vanadium was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration above the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-9 and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Fluoride was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration below the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-8RR and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Potassium was detected in the field blank BOW-LF1-2-FB-20 (02/22/2023) at a concentration below the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-8RR and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.

SDG 92657598

- All field blank results were reported as not detected.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria with the following exceptions:

SDG 92651771

- Alkalinity had a high MS percent recovery in the sample BOW-LF3-4-FB-11. However, because the bias was high and the parent sample result was non-detect, no qualification was necessary.

SDG 92652194

- All matrix spike recoveries were within laboratory limits.

SDG 92652951

- All matrix spike recoveries were within laboratory limits.

SDG 92657598

- All matrix spike recoveries were within laboratory limits.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria

with the following exceptions:

SDG 92651771

- All laboratory duplicate RPDs were within laboratory limits.

SDG 92652194

- TDS had high laboratory duplicate RPDs in samples BOW-LF9-10-FB-13, BOW-GWA-39RZ, and BOW-GWC-47. TDS in these samples has been qualified as estimated (“J”).

SDG 92652194

- All laboratory duplicate RPDs were within laboratory limits.

SDG 92657598

- All laboratory duplicate RPDs were within laboratory limits.

Field Precision

Five sets of field duplicate samples were collected for this sampling event (see Tables 3a – 3h for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less than two times the RL are also considered acceptable (qualified “A*”). All field duplicate precision was considered acceptable with the following exceptions:

- TDS in the duplicate pair BOW-LF9-10-FD-08/ BOW-GWA-40 was detected at levels greater than five times the RL and an RPD greater than 25%. TDS in both samples has been qualified as estimated (“J”).
- TDS in the duplicate pair BOW-LF3-4-FD-07/ BOW-GWC-20R was detected at levels greater than five times the RL and an RPD greater than 25%. TDS in both samples has been qualified as estimated (“J”).

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

Amec Foster Wheeler, 2016. Arkwright Field Sampling Plan. October.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598, 92661713
 April 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-GWA-36A	92651771001	92651771	2/8/2023
BOW-GWA-36RA	92651771002	92651771	2/8/2023
BOW-GWA-37	92651771003	92651771	2/8/2023
BOW-GWA-38	92651771004	92651771	2/8/2023
BOW-GWC-18	92651771005	92651771	2/9/2023
BOW-GWC-18R	92651771006	92651771	2/9/2023
BOW-GWC-19R	92651771007	92651771	2/9/2023
BOW-GWC-21R	92651771008	92651771	2/9/2023
BOW-GWC-22R	92651771009	92651771	2/9/2023
BOW-GWC-24R	92651771010	92651771	2/9/2023
BOW-GWC-25R	92651771011	92651771	2/9/2023
BOW-LF3-4-FB-11	92651771012	92651771	2/9/2023
BOW-LF3-4-FD-06	92651771013	92651771	2/8/2023
BOW-LF3-4-FB-10	92651771014	92651771	2/8/2023
BOW-GWC-16R	92651771015	92651771	2/10/2023
BOW-GWC-17R	92651771016	92651771	2/10/2023
BOW-GWC-20R	92651771017	92651771	2/10/2023
BOW-GWC-23R	92651771018	92651771	2/10/2023
BOW-SPRING	92651771019	92651771	2/10/2023
BOW-LF3-4-FD-07	92651771020	92651771	2/10/2023
BOW-LF3-4-FB-12	92651771021	92651771	2/10/2023
BOW-GWA-39Z	92652194001	92652194	2/13/2023
BOW-GWA-40	92652194002	92652194	2/13/2023
BOW-GWA-41	92652194003	92652194	2/13/2023
BOW-GWA-41R	92652194004	92652194	2/13/2023
BOW-GWA-42	92652194005	92652194	2/13/2023
BOW-GWA-43R	92652194006	92652194	2/13/2023
BOW-LF9-10-FD-08	92652194007	92652194	2/13/2023
BOW-LF9-10-FB-13	92652194008	92652194	2/13/2023
BOW-GWA-39RZ	92652194009	92652194	2/14/2023
BOW-GWA-43	92652194010	92652194	2/14/2023
BOW-GWA-44	92652194011	92652194	2/14/2023
BOW-GWA-46R	92652194012	92652194	2/14/2023
BOW-GWA-49R	92652194013	92652194	2/14/2023
BOW-GWA-49Z	92652194014	92652194	2/14/2023
BOW-LF9-10-FB-14	92652194015	92652194	2/14/2023
BOW-LF9-10-EB-5	92652194016	92652194	2/14/2023
BOW-GWC-45	92652194017	92652194	2/14/2023
BOW-GWC-45R	92652194018	92652194	2/14/2023
BOW-GWC-47	92652194019	92652194	2/14/2023
BOW-GWC-47R	92652194020	92652194	2/14/2023
BOW-GWC-48	92652194021	92652194	2/14/2023

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598, 92661713
 April 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-LF9-10-FD-09	92652194022	92652194	2/14/2023
BOW-LF9-10-FB-15	92652194023	92652194	2/14/2023
BOW-GWA-1	92652951001	92652951	2/16/2023
BOW-GWA-2	92652951002	92652951	2/16/2023
BOW-GWA-2R	92652951003	92652951	2/16/2023
BOW-GWA-50	92652951004	92652951	2/16/2023
BOW-GWA-50R	92652951006	92652951	2/16/2023
BOW-LF1-2-FD-10	92652951006	92652951	2/16/2023
BOW-LF1-2-FB-16	92652951007	92652951	2/16/2023
BOW-GWC-5	92652951008	92652951	2/20/2023
BOW-GWC-7Z	92652951009	92652951	2/20/2023
BOW-GWC-8Z	92652951010	92652951	2/20/2023
BOW-GWC-3A	92652951011	92652951	2/17/2023
BOW-GWC-4RZ	92652951012	92652951	2/17/2023
BOW-GWC-6	92652951013	92652951	2/17/2023
BOW-GW-6RZ	92652951014	92652951	2/17/2023
BOW-GWC-10	92652951015	92652951	2/20/2023
BOW-GWC-10R	92652951016	92652951	2/20/2023
BOW-GWC-11	92652951017	92652951	2/20/2023
BOW-GWC-11R	92652951018	92652951	2/20/2023
BOW-LF1-2-FD-11	92652951019	92652951	2/20/2023
BOW-LF1-2-FB-18	92652951020	92652951	2/20/2023
BOW-LF1-2-FB-17	92652951021	92652951	2/17/2023
BOW-GWC-8RR	92652951022	92652951	2/21/2023
BOW-GWC-9	92652951023	92652951	2/21/2023
BOW-GWC-12	92652951024	92652951	2/21/2023
BOW-LF1-2-FB-19	92652951025	92652951	2/21/2023
BOW-GWC-13	92652951026	92652951	2/22/2023
BOW-GWC-13RZ	92652951027	92652951	2/22/2023
BOW-GWC-14Z	92652951028	92652951	2/22/2023
BOW-GWC-15R	92652951029	92652951	2/22/2023
BOW-GWC-15Z	92652951030	92652951	2/22/2023
BOW-LF1-2-FB-20	92652951031	92652951	2/22/2023
BOW-LF1-2-FD-12	92652951032	92652951	2/22/2023
BOW-GWC-48	92657598001	92657598	3/16/2023
BOW-LF9-10-FD-01	92657598001	92657598	3/16/2023
BOW-LF9-10-FB-01	92657598001	92657598	3/16/2023
BOW-GWC-13	92661713001	92661713	4/11/2023
BOW-LF1-2-FD-02	92661713002	92661713	4/11/2023
BOW-LF1-2-FB02	92661713003	92661713	4/11/2023

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598, 92661713
 April 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
BOW-GWA-39Z	TDS	J	Detected in FB
BOW-GWA-39RZ	TDS	J	High LD RPD
BOW-GWA-40	TDS	J	Detected in FB
BOW-GWA-41	Mercury	J	Detected in FB
BOW-GWA-41	TDS	J	Detected in FB
BOW-GWA-41R	Mercury	J	Detected in FB
BOW-GWA-41R	TDS	J	Detected in FB
BOW-LF9-10-FB-13	TDS	J	High LD RPD
BOW-GWC-47	TDS	J	High LD RPD
BOW-LF3-4-FD-07	TDS	J	High FD RPD
BOW-GWC-20R	TDS	J	High FD RPD
BOW-GWA-2	TDS	J	Detected in FB
BOW-GWA-2R	TDS	J	Detected in FB
BOW-GWA-1	TDS	J	Detected in FB
BOW-LF1-2-FD-10	TDS	J	Detected in FB
BOW-GWC-6RZ	TDS	J	Detected in FB
BOW-GWA-3A	TDS	J	Detected in FB
BOW-GWA-4RZ	TDS	J	Detected in FB
BOW-GWC-6	TDS	J	Detected in FB
BOW-GWC-10	Mercury	J	Detected in FB
BOW-GWC-11	Mercury	J	Detected in FB
BOW-GWC-10R	Mercury	J	Detected in FB
BOW-GWC-11R	Mercury	J	Detected in FB
BOW-GWC-9	Arsenic	J	Detected in FB
BOW-GWC-12	Arsenic	J	Detected in FB

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
BOW-GWC-9	Vanadium	J	Detected in FB
BOW-GWC-12	Vanadium	J	Detected in FB
BOW-GWC-8RR	Fluoride	J	Detected in FB
BOW-GWC-12	Fluoride	J	Detected in FB
BOW-LF9-10-FD-08	TDS	J	High FD RPD
BOW-GWA-40	TDS	J	High FD RPD
BOW-GWC-13	Potassium	J	Detected in FB
BOW-GWC-13RZ	Potassium	J	Detected in FB
BOW-GWC-14Z	Potassium	J	Detected in FB
BOW-GWC-15R	Potassium	J	Detected in FB
BOW-GWC-15Z	Potassium	J	Detected in FB

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.

J+ – The analyte was detected in an associated blank; estimated data with a high bias.

R – Rejected data due to one or more QC requirements.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination. The associated value is an estimate and may be inaccurate or imprecise.

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598, 92661713
 April 2023

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF3-4-FD-06 / BOW-GWA-38	Calcium	1.3	1.30	0.0%	A
	Barium	0.013	0.0130	NC	A*
	Chromium	0.0012	0.00190	NC	A*
	Cobalt	0.001	0.00100	NC	A*
	Nickel	0.00091	0.000890	NC	A*
	Manganese	0.038	0.039	NC	A*
	Potassium	0.35	0.24	NC	A*
	Sodium	3.7	3.8	NC	A*
	Magnesium	0.46	0.48	NC	A*
	Total Dissolved Solids	31	48	NC	A*
	Chloride	0.9	3.50	NC	A*
	Sulfate	3.5	0.860	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF3-4-FD-07 / BOW-GWC-20R	Calcium	38.4	37.7	1.84%	A
	Barium	0.031	0.0310	0.0%	A
	Total Dissolved Solids	226	169	28.6%	J
	Alkalinity, Bicarbonate (CaCO ₃)	181	172	5.1%	A
	Alkalinity, Total as CaCO ₃	181	172	5.1%	A
	Chloride	2	2.00	NC	A*
	Potassium	0.65	0.66	NC	A*
	Sodium	2.1	2.1	NC	A*
	Magnesium	21.3	21.0	1.1%	A
	Fluoride	0.054	0.0530	NC	A*
	Sulfate	1.8	1.80	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598, 92661713
 April 2023

Table 3c – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-08 / BOW-GWA-40	Calcium	18.4	19.0	3.21%	A
	Barium	0.0075	0.00720	NC	A*
	Total Dissolved Solids	259	169	42.06%	J
	Alkalinity, Bicarbonate (CaCO ₃)	102	98.0	4.0%	A
	Alkalinity, Total as CaCO ₃	102	98.0	4.0%	A
	Potassium	0.89	0.95	NC	A*
	Sodium	1.2	1.3	NC	A*
	Magnesium	9.6	9.9	2.1%	A
	Chloride	1.1	1.00	NC	A*
	Fluoride	0.054	0.053	NC	A*
	Sulfate	1.4	1.40	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3d – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-09 / BOW-GWC-47	Zinc	0.05	0.0500	NC	A*
	Calcium	20.5	20.2	1.47%	A
	Barium	0.0075	0.00800	NC	A*
	Chromium	0.0018	0.00150	NC	A*
	Total Dissolved Solids	111	96.9	NC	A*
	Alkalinity, Bicarbonate (CaCO ₃)	99.2	98.8	0.4%	A
	Alkalinity, Total as CaCO ₃	99.2	98.8	0.4%	A
	Iron	0.040 U	0.046	NC	A*
	Manganese	0.0061	0.0058	NC	A*
	Potassium	0.58	0.73	NC	A*
	Sodium	3.3	3.2	NC	A*
	Magnesium	11.0	10.8	0.75%	A
	Chloride	2	2	NC	A*
	Fluoride	0.064	0.0680	NC	A*
	Sulfate	4.3	4.20	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598, 92661713
 April 2023

NA – Not analyzed
 NC – Not calculated
 NQ – Not qualified

Table 3e – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-10 / BOW-GWA-50R	Calcium	0.81	0.81	NC	A*
	Barium	0.0081	0.008	NC	A*
	Copper	0.0028	0.0028	NC	A*
	Nickel	0.00081	0.00088	NC	A*
	Manganese	0.014	0.015	NC	A*
	Potassium	0.25	0.23	NC	A*
	Sodium	0.89	0.89	NC	A*
	Magnesium	0.33	0.34	2.4%	A
	Silver	0.0011	0.0010	NC	A*
	Chloride	0.71	0.74	NC	A*
	Sulfate	0.58	0.57	NC	A*

^a RPD = ((SR - DR) * 200) / (SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3f – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-11 / BOW-GWC-11	Alkalinity, Total (as CaCO ₃)	38.3	37.9	1.05%	A
	Alkalinity, Bicarbonate (as CaCO ₃)	38.3	37.9	1.05%	A
	TDS	98	50	NC	A*
	Sulfate	1.7	1.7	NC	A*
	Chloride	1.2	1.2	NC	A*
	Calcium	7.4	7.3	1.36%	A
	Iron	0.029	0.026	NC	A*
	Manganese	0.020	0.026	NC	A*
	Potassium	0.64	0.51	NC	A*
	Sodium	3.9	3.8	NC	A*
	Magnesium	3.8	3.8	0.0%	A
	Barium	0.0071	0.0072	NC	A*

^a RPD = ((SR - DR) * 200) / (SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598, 92661713
 April 2023

than 2X the RDL.
 J – Estimated detected.
 NA – Not analyzed
 NC – Not calculated
 NQ – Not qualified

Table 3g – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-12/ BOW-GWC-15Z	Calcium	24.4	24.7	1.22%	A
	Barium	0.01	0.01	NC	A*
	Total Alk	124	124	0.0%	A
	Alkalinity,Bicarbonate	124	124	0.0%	A
	TDS	111	112	NC	A*
	Potassium	0.89	0.99	NC	A*
	Sodium	2.0	2.3	NC	A*
	Magnesium	13.3	13.5	2.8%	A
	Chloride	0.83	0.82	NC	A*
	Sulfate	0.81	0.8	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3h – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-1 / BOW-GWC-48	Chloride	5.4	5.4	0.0%	A
	Mercury	0.00045	0.00047	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (AP-1, AP-2, AP-3)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598, 92661713
 April 2023

Table 3i – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-02/ BOW-GWC-13	TDS	120	127	6.2%	A

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Low-Flow Test Report:

Test Date / Time: 2/16/2023 10:00:42 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-4RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 110.74 ft Total Depth: 120.74 ft Initial Depth to Water: 87.3 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 115.74 ft Estimated Total Volume Pumped: 17920 ml Flow Cell Volume: 90 ml Final Flow Rate: 135 ml/min Final Draw Down: 23.5 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:

Prepurge 3L

Water fell below screen, complete evacuation initiated

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/16/2023 10:00 AM	00:00	6.77 pH	15.89 °C	483.61 µS/cm	0.67 mg/L	0.24 NTU	18.9 mV	87.30 ft	340.00 ml/min
2/16/2023 10:04 AM	04:00	6.89 pH	15.90 °C	475.51 µS/cm	0.16 mg/L	0.10 NTU	36.5 mV	89.67 ft	340.00 ml/min
2/16/2023 10:08 AM	08:00	6.94 pH	15.90 °C	470.44 µS/cm	0.13 mg/L	0.18 NTU	53.1 mV	91.76 ft	340.00 ml/min
2/16/2023 10:12 AM	12:00	6.94 pH	15.89 °C	463.85 µS/cm	0.39 mg/L	0.18 NTU	65.1 mV	93.70 ft	340.00 ml/min
2/16/2023 10:16 AM	16:00	6.88 pH	15.90 °C	450.66 µS/cm	1.70 mg/L	0.09 NTU	74.1 mV	95.88 ft	340.00 ml/min
2/16/2023 10:20 AM	20:00	6.84 pH	15.89 °C	446.42 µS/cm	2.24 mg/L	0.19 NTU	79.8 mV	98.03 ft	340.00 ml/min
2/16/2023 10:24 AM	24:00	6.82 pH	15.90 °C	445.57 µS/cm	2.46 mg/L	0.17 NTU	81.7 mV	100.00 ft	340.00 ml/min
2/16/2023 10:28 AM	28:00	6.81 pH	15.92 °C	445.69 µS/cm	2.60 mg/L	0.06 NTU	83.5 mV	101.82 ft	340.00 ml/min
2/16/2023 10:32 AM	32:00	6.81 pH	15.92 °C	446.12 µS/cm	2.72 mg/L	0.02 NTU	84.4 mV	103.74 ft	340.00 ml/min
2/16/2023 10:36 AM	36:00	6.80 pH	15.90 °C	446.93 µS/cm	2.81 mg/L	0.15 NTU	84.7 mV	105.72 ft	340.00 ml/min
2/16/2023 10:40 AM	40:00	6.80 pH	15.93 °C	446.65 µS/cm	2.88 mg/L	0.03 NTU	86.5 mV	107.45 ft	135.00 ml/min
2/16/2023 10:44 AM	44:00	6.81 pH	15.84 °C	446.23 µS/cm	2.90 mg/L	0.01 NTU	87.1 mV	108.21 ft	135.00 ml/min
2/16/2023 10:48 AM	48:00	6.81 pH	15.81 °C	446.78 µS/cm	2.92 mg/L	0.11 NTU	88.1 mV	108.85 ft	135.00 ml/min
2/16/2023 10:52 AM	52:00	6.81 pH	15.85 °C	446.79 µS/cm	2.92 mg/L	0.08 NTU	89.8 mV	109.50 ft	135.00 ml/min
2/16/2023 10:56 AM	56:00	6.81 pH	15.87 °C	448.62 µS/cm	2.84 mg/L	0.01 NTU	91.3 mV	110.15 ft	135.00 ml/min

2/16/2023 11:00 AM	01:00:00	6.82 pH	15.89 °C	449.43 µS/cm	2.80 mg/L	0.04 NTU	92.1 mV	110.45 ft	135.00 ml/min
2/16/2023 11:04 AM	01:04:00	6.82 pH	15.87 °C	449.23 µS/cm	2.83 mg/L	0.02 NTU	93.0 mV	110.55 ft	135.00 ml/min
2/16/2023 11:08 AM	01:08:00	6.82 pH	15.85 °C	449.65 µS/cm	2.85 mg/L	0.10 NTU	93.4 mV	110.64 ft	135.00 ml/min
2/16/2023 11:12 AM	01:12:00	6.82 pH	15.96 °C	451.41 µS/cm	2.92 mg/L	0.06 NTU	91.5 mV	110.80 ft	135.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 2/16/2023 11:27:30 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWA-1 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 141.8 ft Total Depth: 151.8 ft Initial Depth to Water: 83.11 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 146.8 ft Estimated Total Volume Pumped: 10660 ml Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 11.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 4 L

Lowered pump rate to 125 mL/min at 28:00.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/16/2023 11:27 AM	00:00	7.28 pH	15.98 °C	303.35 µS/cm	1.39 mg/L	0.94 NTU	50.9 mV	88.35 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:31 AM	04:00	7.33 pH	16.02 °C	302.76 µS/cm	1.28 mg/L	1.05 NTU	51.6 mV	88.94 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:35 AM	08:00	7.35 pH	16.03 °C	303.04 µS/cm	1.18 mg/L	1.00 NTU	50.5 mV	89.72 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:39 AM	12:00	7.34 pH	16.11 °C	303.34 µS/cm	1.09 mg/L	1.21 NTU	50.3 mV	90.48 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:43 AM	16:00	7.39 pH	16.15 °C	303.55 µS/cm	1.03 mg/L	1.50 NTU	47.2 mV	91.20 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:47 AM	20:00	7.40 pH	16.25 °C	303.68 µS/cm	0.98 mg/L	2.10 NTU	47.2 mV	91.96 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:51 AM	24:00	7.40 pH	16.29 °C	303.71 µS/cm	0.94 mg/L	2.32 NTU	46.6 mV	92.65 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:55 AM	28:00	7.38 pH	16.38 °C	303.37 µS/cm	0.92 mg/L	2.87 NTU	46.3 mV	92.85 ft	0.16 PSU	125.00 ml/min
2/16/2023 11:59 AM	32:00	7.38 pH	16.38 °C	303.38 µS/cm	0.91 mg/L	2.99 NTU	46.0 mV	93.01 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:03 PM	36:00	7.37 pH	16.38 °C	303.78 µS/cm	0.83 mg/L	2.97 NTU	45.6 mV	93.19 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:07 PM	40:00	7.38 pH	16.38 °C	304.26 µS/cm	0.77 mg/L	3.37 NTU	44.2 mV	93.42 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:11 PM	44:00	7.40 pH	16.37 °C	304.11 µS/cm	0.83 mg/L	3.56 NTU	44.6 mV	93.66 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:15 PM	48:00	7.40 pH	16.38 °C	304.74 µS/cm	0.91 mg/L	3.69 NTU	44.5 mV	93.90 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:19 PM	52:00	7.40 pH	16.54 °C	305.18 µS/cm	0.96 mg/L	3.17 NTU	43.7 mV	94.05 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:23 PM	56:00	7.39 pH	16.72 °C	304.83 µS/cm	0.99 mg/L	3.60 NTU	43.3 mV	94.10 ft	0.16 PSU	125.00 ml/min

2/16/2023 12:27 PM	01:00:00	7.39 pH	16.65 °C	305.02 µS/cm	1.02 mg/L	3.57 NTU	43.4 mV	94.13 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:31 PM	01:04:00	7.39 pH	16.60 °C	305.35 µS/cm	1.07 mg/L	2.99 NTU	43.2 mV	94.15 ft	0.16 PSU	125.00 ml/min

Samples

Sample ID:	Description:
GWA-1	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/16/2023 12:21:20 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-50 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 86.73 ft Total Depth: 96.73 ft Initial Depth to Water: 68.21 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 91.73 ft Estimated Total Volume Pumped: 7560 ml Flow Cell Volume: 90 ml Final Flow Rate: 105 ml/min Final Draw Down: 2.33 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:

Prepurge 9L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/16/2023 12:21 PM	00:00	4.84 pH	16.68 °C	17.15 µS/cm	7.99 mg/L	0.05 NTU	160.3 mV	68.21 ft	105.00 ml/min
2/16/2023 12:25 PM	04:00	4.82 pH	16.71 °C	17.20 µS/cm	7.94 mg/L	0.32 NTU	166.0 mV	68.31 ft	105.00 ml/min
2/16/2023 12:29 PM	08:00	4.82 pH	16.66 °C	17.25 µS/cm	7.89 mg/L	0.14 NTU	164.9 mV	68.42 ft	105.00 ml/min
2/16/2023 12:33 PM	12:00	4.83 pH	16.61 °C	17.40 µS/cm	7.82 mg/L	0.10 NTU	162.4 mV	68.51 ft	105.00 ml/min
2/16/2023 12:37 PM	16:00	4.86 pH	16.55 °C	17.96 µS/cm	7.71 mg/L	0.31 NTU	160.6 mV	68.63 ft	105.00 ml/min
2/16/2023 12:41 PM	20:00	4.91 pH	16.61 °C	18.68 µS/cm	7.55 mg/L	0.29 NTU	157.1 mV	68.75 ft	105.00 ml/min
2/16/2023 12:45 PM	24:00	4.96 pH	16.63 °C	19.22 µS/cm	7.41 mg/L	0.30 NTU	154.3 mV	68.86 ft	105.00 ml/min
2/16/2023 12:49 PM	28:00	4.97 pH	16.70 °C	19.50 µS/cm	7.38 mg/L	0.28 NTU	153.7 mV	69.01 ft	105.00 ml/min
2/16/2023 12:53 PM	32:00	4.99 pH	16.70 °C	19.65 µS/cm	7.35 mg/L	0.27 NTU	152.9 mV	69.15 ft	105.00 ml/min
2/16/2023 12:57 PM	36:00	5.00 pH	16.61 °C	19.71 µS/cm	7.36 mg/L	0.20 NTU	151.8 mV	69.26 ft	105.00 ml/min
2/16/2023 1:01 PM	40:00	4.98 pH	16.52 °C	19.75 µS/cm	7.37 mg/L	0.23 NTU	151.5 mV	69.41 ft	105.00 ml/min
2/16/2023 1:05 PM	44:00	5.00 pH	16.48 °C	19.78 µS/cm	7.37 mg/L	0.10 NTU	150.1 mV	69.56 ft	105.00 ml/min
2/16/2023 1:09 PM	48:00	5.02 pH	16.44 °C	19.80 µS/cm	7.36 mg/L	0.19 NTU	149.2 mV	69.60 ft	105.00 ml/min
2/16/2023 1:13 PM	52:00	5.02 pH	16.53 °C	19.81 µS/cm	7.34 mg/L	0.07 NTU	149.1 mV	69.82 ft	105.00 ml/min
2/16/2023 1:17 PM	56:00	4.99 pH	16.75 °C	19.84 µS/cm	7.23 mg/L	0.10 NTU	149.8 mV	70.01 ft	105.00 ml/min

2/16/2023 1:21 PM	01:00:00	4.99 pH	16.94 °C	19.88 µS/cm	7.04 mg/L	0.22 NTU	148.5 mV	70.15 ft	105.00 ml/min
2/16/2023 1:25 PM	01:04:00	5.00 pH	16.93 °C	19.88 µS/cm	6.92 mg/L	0.31 NTU	148.6 mV	70.25 ft	105.00 ml/min
2/16/2023 1:29 PM	01:08:00	4.96 pH	16.95 °C	19.92 µS/cm	6.84 mg/L	0.10 NTU	150.2 mV	70.41 ft	105.00 ml/min
2/16/2023 1:33 PM	01:12:00	4.95 pH	17.01 °C	19.93 µS/cm	6.93 mg/L	0.09 NTU	148.9 mV	70.54 ft	105.00 ml/min

Samples

Sample ID:	Description:
GWA-50	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/16/2023 1:28:37 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWA-2 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 144.25 ft Total Depth: 154.25 ft Initial Depth to Water: 78.48 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 149.25 ft Estimated Total Volume Pumped: 12800 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 4 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/16/2023 1:28 PM	00:00	6.56 pH	16.84 °C	34.62 µS/cm	5.90 mg/L	1.55 NTU	78.0 mV	78.57 ft	0.02 PSU	200.00 ml/min
2/16/2023 1:32 PM	04:00	6.26 pH	16.85 °C	34.72 µS/cm	5.97 mg/L	1.41 NTU	73.0 mV	78.57 ft	0.02 PSU	200.00 ml/min
2/16/2023 1:36 PM	08:00	6.03 pH	16.85 °C	46.01 µS/cm	6.01 mg/L	1.56 NTU	71.7 mV	78.56 ft	0.02 PSU	200.00 ml/min
2/16/2023 1:40 PM	12:00	5.87 pH	16.96 °C	68.85 µS/cm	6.05 mg/L	1.61 NTU	70.0 mV	78.56 ft	0.04 PSU	200.00 ml/min
2/16/2023 1:44 PM	16:00	5.89 pH	16.88 °C	108.68 µS/cm	6.04 mg/L	1.45 NTU	65.7 mV	78.56 ft	0.06 PSU	200.00 ml/min
2/16/2023 1:48 PM	20:00	5.98 pH	16.87 °C	166.50 µS/cm	6.07 mg/L	1.32 NTU	63.7 mV	78.56 ft	0.09 PSU	200.00 ml/min
2/16/2023 1:52 PM	24:00	6.06 pH	16.91 °C	224.09 µS/cm	6.11 mg/L	1.19 NTU	62.6 mV	78.56 ft	0.12 PSU	200.00 ml/min
2/16/2023 1:56 PM	28:00	6.17 pH	16.74 °C	275.09 µS/cm	6.16 mg/L	1.21 NTU	61.6 mV	78.56 ft	0.15 PSU	200.00 ml/min
2/16/2023 2:00 PM	32:00	6.27 pH	16.83 °C	314.36 µS/cm	6.15 mg/L	1.08 NTU	61.0 mV	78.56 ft	0.17 PSU	200.00 ml/min
2/16/2023 2:04 PM	36:00	6.35 pH	16.83 °C	344.41 µS/cm	6.19 mg/L	0.93 NTU	60.6 mV	78.56 ft	0.19 PSU	200.00 ml/min
2/16/2023 2:08 PM	40:00	6.38 pH	16.92 °C	364.61 µS/cm	6.19 mg/L	1.02 NTU	61.2 mV	78.56 ft	0.20 PSU	200.00 ml/min
2/16/2023 2:12 PM	44:00	6.46 pH	17.01 °C	381.92 µS/cm	6.17 mg/L	0.99 NTU	59.8 mV	78.56 ft	0.21 PSU	200.00 ml/min
2/16/2023 2:16 PM	48:00	6.50 pH	16.92 °C	393.91 µS/cm	6.20 mg/L	0.99 NTU	59.7 mV	78.56 ft	0.21 PSU	200.00 ml/min
2/16/2023 2:20 PM	52:00	6.52 pH	16.97 °C	402.25 µS/cm	6.22 mg/L	1.04 NTU	59.8 mV	78.56 ft	0.22 PSU	200.00 ml/min
2/16/2023 2:24 PM	56:00	6.54 pH	16.92 °C	409.94 µS/cm	6.26 mg/L	0.94 NTU	59.8 mV	78.56 ft	0.22 PSU	200.00 ml/min

2/16/2023 2:28 PM	01:00:00	6.55 pH	16.92 °C	416.02 µS/cm	6.29 mg/L	0.99 NTU	59.9 mV	78.56 ft	0.22 PSU	200.00 ml/min
2/16/2023 2:32 PM	01:04:00	6.56 pH	16.91 °C	421.45 µS/cm	6.35 mg/L	0.86 NTU	60.3 mV	78.56 ft	0.23 PSU	200.00 ml/min

Samples

Sample ID:	Description:
GWA-2	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/16/2023 2:14:12 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-50R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 135.53 ft Total Depth: 145.53 ft Initial Depth to Water: 71.52 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 140.53 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	---	--

Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/16/2023 2:14 PM	00:00	5.71 pH	17.28 °C	42.30 µS/cm	8.93 mg/L	0.96 NTU	145.5 mV	71.52 ft	100.00 ml/min
2/16/2023 2:18 PM	04:00	5.61 pH	17.10 °C	43.04 µS/cm	7.99 mg/L	1.18 NTU	136.8 mV	71.53 ft	100.00 ml/min
2/16/2023 2:22 PM	08:00	5.49 pH	17.14 °C	30.95 µS/cm	8.31 mg/L	0.62 NTU	137.9 mV	71.53 ft	100.00 ml/min
2/16/2023 2:26 PM	12:00	5.12 pH	17.52 °C	21.72 µS/cm	9.03 mg/L	0.48 NTU	145.5 mV	71.53 ft	100.00 ml/min
2/16/2023 2:30 PM	16:00	4.98 pH	17.55 °C	18.06 µS/cm	9.38 mg/L	0.76 NTU	149.6 mV	71.53 ft	100.00 ml/min
2/16/2023 2:34 PM	20:00	4.85 pH	17.42 °C	16.95 µS/cm	9.69 mg/L	0.20 NTU	151.8 mV	71.53 ft	100.00 ml/min
2/16/2023 2:38 PM	24:00	4.78 pH	17.39 °C	16.41 µS/cm	9.59 mg/L	1.10 NTU	152.6 mV	71.53 ft	100.00 ml/min
2/16/2023 2:42 PM	28:00	4.75 pH	17.39 °C	16.24 µS/cm	9.73 mg/L	0.74 NTU	152.5 mV	71.53 ft	100.00 ml/min
2/16/2023 2:46 PM	32:00	4.75 pH	17.41 °C	16.15 µS/cm	9.97 mg/L	0.12 NTU	152.2 mV	71.53 ft	100.00 ml/min
2/16/2023 2:50 PM	36:00	4.73 pH	17.38 °C	15.96 µS/cm	9.94 mg/L	0.03 NTU	152.3 mV	71.53 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWA-50R	Metals, Inorganics, Alkalinity, TDS
DUP-10	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/16/2023 3:00:13 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWA-2R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 97.4 ft Total Depth: 107.4 ft Initial Depth to Water: 78.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 102.4 ft Estimated Total Volume Pumped: 3120 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 1.5 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	---	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/16/2023 3:00 PM	00:00	6.66 pH	17.56 °C	316.88 µS/cm	1.25 mg/L	3.08 NTU	36.7 mV	79.65 ft	0.17 PSU	130.00 ml/min
2/16/2023 3:04 PM	04:00	6.84 pH	17.61 °C	333.24 µS/cm	0.64 mg/L	2.39 NTU	35.0 mV	79.76 ft	0.18 PSU	130.00 ml/min
2/16/2023 3:08 PM	08:00	6.92 pH	17.58 °C	339.37 µS/cm	0.47 mg/L	2.27 NTU	33.4 mV	79.86 ft	0.18 PSU	130.00 ml/min
2/16/2023 3:12 PM	12:00	6.96 pH	17.54 °C	342.04 µS/cm	0.38 mg/L	1.17 NTU	32.7 mV	79.93 ft	0.18 PSU	130.00 ml/min
2/16/2023 3:16 PM	16:00	7.00 pH	17.54 °C	344.20 µS/cm	0.29 mg/L	1.23 NTU	29.6 mV	79.96 ft	0.18 PSU	130.00 ml/min
2/16/2023 3:20 PM	20:00	7.02 pH	17.45 °C	341.92 µS/cm	0.24 mg/L	0.73 NTU	29.0 mV	79.99 ft	0.18 PSU	130.00 ml/min
2/16/2023 3:24 PM	24:00	7.02 pH	17.48 °C	343.60 µS/cm	0.23 mg/L	0.48 NTU	28.3 mV	80.01 ft	0.18 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWA-2R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/17/2023 9:42:49 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-4RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 110.74 ft Total Depth: 120.74 ft Initial Depth to Water: 97.59 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 115.74 ft Estimated Total Volume Pumped: 200 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	---	--

Test Notes:

Evacuation performed on 2/16/23

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/17/2023 9:42 AM	00:00	6.94 pH	11.48 °C	459.72 µS/cm	5.13 mg/L	0.21 NTU	202.7 mV	97.59 ft	100.00 ml/min
2/17/2023 9:43 AM	00:20	6.96 pH	11.58 °C	463.55 µS/cm	5.03 mg/L		194.2 mV	97.59 ft	100.00 ml/min
2/17/2023 9:43 AM	00:40	6.96 pH	11.76 °C	463.78 µS/cm	4.98 mg/L		191.2 mV	97.59 ft	100.00 ml/min
2/17/2023 9:43 AM	01:00	6.98 pH	11.85 °C	462.64 µS/cm	4.94 mg/L		183.4 mV	97.59 ft	100.00 ml/min
2/17/2023 9:44 AM	01:20	6.98 pH	11.99 °C	461.72 µS/cm	4.86 mg/L		178.5 mV	97.59 ft	100.00 ml/min
2/17/2023 9:44 AM	01:40	6.98 pH	12.13 °C	461.84 µS/cm	4.82 mg/L		171.2 mV	97.59 ft	100.00 ml/min
2/17/2023 9:44 AM	02:00	6.98 pH	12.26 °C	460.67 µS/cm	4.75 mg/L	0.21 NTU	166.3 mV	97.59 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWA-4RZ	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/17/2023 10:26:26 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWA-3A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.27 ft Total Depth: 140.27 ft Initial Depth to Water: 75.47 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 135.27 ft Estimated Total Volume Pumped: 3640 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
---	---	--

Test Notes:

Prepurged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/17/2023 10:26 AM	00:00	7.38 pH	13.67 °C	208.72 µS/cm	8.14 mg/L	0.16 NTU	114.1 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:30 AM	04:00	7.46 pH	13.67 °C	209.12 µS/cm	8.39 mg/L	0.15 NTU	91.0 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:34 AM	08:00	7.51 pH	13.58 °C	208.17 µS/cm	8.52 mg/L	0.09 NTU	80.9 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:38 AM	12:00	7.57 pH	13.55 °C	208.52 µS/cm	8.63 mg/L	0.12 NTU	76.0 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:42 AM	16:00	7.62 pH	13.49 °C	208.67 µS/cm	8.71 mg/L	0.12 NTU	73.0 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:46 AM	20:00	7.66 pH	13.45 °C	207.42 µS/cm	8.73 mg/L	0.11 NTU	71.2 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:50 AM	24:00	7.69 pH	13.40 °C	208.90 µS/cm	8.86 mg/L	0.05 NTU	70.0 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:54 AM	28:00	7.71 pH	13.36 °C	208.77 µS/cm	8.95 mg/L	0.02 NTU	69.1 mV	75.53 ft	0.11 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWA-3A	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/17/2023 10:50:37 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-6 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 101.37 ft Total Depth: 111.37 ft Initial Depth to Water: 69.23 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 106.37 ft Estimated Total Volume Pumped: 5200 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	---	--

Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/17/2023 10:50 AM	00:00	6.87 pH	13.45 °C	131.13 µS/cm	7.26 mg/L	0.46 NTU	121.0 mV	69.23 ft	100.00 ml/min
2/17/2023 10:54 AM	04:00	6.92 pH	13.52 °C	131.99 µS/cm	7.39 mg/L	0.25 NTU	115.8 mV	69.24 ft	100.00 ml/min
2/17/2023 10:58 AM	08:00	6.95 pH	13.51 °C	132.77 µS/cm	7.45 mg/L	0.22 NTU	114.2 mV	69.25 ft	100.00 ml/min
2/17/2023 11:02 AM	12:00	6.98 pH	13.51 °C	134.15 µS/cm	7.48 mg/L	0.35 NTU	113.1 mV	69.26 ft	100.00 ml/min
2/17/2023 11:06 AM	16:00	7.01 pH	13.59 °C	135.21 µS/cm	7.54 mg/L	0.54 NTU	112.5 mV	69.28 ft	100.00 ml/min
2/17/2023 11:10 AM	20:00	7.03 pH	13.69 °C	135.03 µS/cm	7.52 mg/L	1.07 NTU	112.0 mV	69.28 ft	100.00 ml/min
2/17/2023 11:14 AM	24:00	7.05 pH	13.81 °C	134.67 µS/cm	7.47 mg/L	1.28 NTU	111.3 mV	69.29 ft	100.00 ml/min
2/17/2023 11:18 AM	28:00	7.05 pH	14.03 °C	135.32 µS/cm	7.51 mg/L	1.80 NTU	111.0 mV	69.29 ft	100.00 ml/min
2/17/2023 11:22 AM	32:00	7.07 pH	14.07 °C	135.72 µS/cm	7.52 mg/L	1.93 NTU	111.1 mV	69.29 ft	100.00 ml/min
2/17/2023 11:26 AM	36:00	7.07 pH	14.07 °C	136.08 µS/cm	7.55 mg/L	2.07 NTU	111.1 mV	69.29 ft	100.00 ml/min
2/17/2023 11:30 AM	40:00	7.09 pH	13.98 °C	136.19 µS/cm	7.57 mg/L	1.84 NTU	110.6 mV	69.29 ft	100.00 ml/min
2/17/2023 11:34 AM	44:00	7.10 pH	13.91 °C	136.18 µS/cm	7.55 mg/L	2.09 NTU	110.2 mV	69.29 ft	100.00 ml/min
2/17/2023 11:38 AM	48:00	7.10 pH	13.96 °C	136.07 µS/cm	7.56 mg/L	1.94 NTU	110.3 mV	69.29 ft	100.00 ml/min
2/17/2023 11:42 AM	52:00	7.11 pH	13.86 °C	136.25 µS/cm	7.58 mg/L	1.91 NTU	110.0 mV	69.29 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWC-6	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/17/2023 12:44:28 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-6RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 102.8 ft Total Depth: 112.8 ft Initial Depth to Water: 73.04 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 107.8 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	---	--

Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/17/2023 12:44 PM	00:00	5.38 pH	13.58 °C	98.85 µS/cm	7.15 mg/L	14.49 NTU	140.5 mV	73.04 ft	100.00 ml/min
2/17/2023 12:48 PM	04:00	5.73 pH	13.05 °C	94.55 µS/cm	5.71 mg/L	12.61 NTU	117.6 mV	73.04 ft	100.00 ml/min
2/17/2023 12:52 PM	08:00	5.93 pH	13.05 °C	99.47 µS/cm	5.48 mg/L	7.71 NTU	90.1 mV	73.04 ft	100.00 ml/min
2/17/2023 12:56 PM	12:00	6.07 pH	13.14 °C	100.69 µS/cm	6.09 mg/L	4.75 NTU	81.7 mV	73.04 ft	100.00 ml/min
2/17/2023 1:00 PM	16:00	6.18 pH	13.24 °C	97.94 µS/cm	6.66 mg/L	2.34 NTU	84.9 mV	73.04 ft	100.00 ml/min
2/17/2023 1:04 PM	20:00	6.26 pH	13.23 °C	96.61 µS/cm	7.01 mg/L	1.97 NTU	88.1 mV	73.04 ft	100.00 ml/min
2/17/2023 1:08 PM	24:00	6.32 pH	13.50 °C	96.25 µS/cm	7.18 mg/L	2.28 NTU	90.9 mV	73.04 ft	100.00 ml/min
2/17/2023 1:12 PM	28:00	6.36 pH	13.70 °C	95.83 µS/cm	7.27 mg/L	1.56 NTU	88.7 mV	73.04 ft	100.00 ml/min
2/17/2023 1:16 PM	32:00	6.39 pH	13.77 °C	95.22 µS/cm	7.34 mg/L	1.45 NTU	89.1 mV	73.04 ft	100.00 ml/min
2/17/2023 1:20 PM	36:00	6.41 pH	13.59 °C	94.58 µS/cm	7.42 mg/L	0.87 NTU	92.2 mV	73.04 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWC-6RZ	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 9:50:36 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-10R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 90.2 ft Total Depth: 100.2 ft Initial Depth to Water: 30.4 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 95.2 ft Estimated Total Volume Pumped: 4000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	--	--

Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/20/2023 9:50 AM	00:00	6.83 pH	12.95 °C	292.45 µS/cm	2.56 mg/L	0.17 NTU	102.1 mV	30.40 ft	100.00 ml/min
2/20/2023 9:54 AM	04:00	6.76 pH	14.18 °C	301.49 µS/cm	0.95 mg/L	0.19 NTU	84.2 mV	30.40 ft	100.00 ml/min
2/20/2023 9:58 AM	08:00	6.84 pH	14.50 °C	307.75 µS/cm	2.03 mg/L	1.51 NTU	99.0 mV	30.40 ft	100.00 ml/min
2/20/2023 10:02 AM	12:00	6.92 pH	14.63 °C	305.03 µS/cm	3.57 mg/L	2.88 NTU	118.2 mV	30.40 ft	100.00 ml/min
2/20/2023 10:06 AM	16:00	6.98 pH	14.77 °C	303.58 µS/cm	4.37 mg/L	1.70 NTU	122.2 mV	30.40 ft	100.00 ml/min
2/20/2023 10:10 AM	20:00	7.01 pH	14.80 °C	302.26 µS/cm	4.78 mg/L	1.02 NTU	125.7 mV	30.40 ft	100.00 ml/min
2/20/2023 10:14 AM	24:00	7.03 pH	14.86 °C	301.30 µS/cm	5.07 mg/L	1.23 NTU	124.8 mV	30.40 ft	100.00 ml/min
2/20/2023 10:18 AM	28:00	7.05 pH	14.89 °C	300.54 µS/cm	5.35 mg/L	0.66 NTU	122.2 mV	30.40 ft	100.00 ml/min
2/20/2023 10:22 AM	32:00	7.07 pH	14.91 °C	299.14 µS/cm	5.63 mg/L	0.31 NTU	120.7 mV	30.40 ft	100.00 ml/min
2/20/2023 10:26 AM	36:00	7.07 pH	14.95 °C	298.26 µS/cm	5.80 mg/L	0.30 NTU	119.4 mV	30.40 ft	100.00 ml/min
2/20/2023 10:30 AM	40:00	7.08 pH	15.05 °C	296.69 µS/cm	5.93 mg/L	0.14 NTU	116.2 mV	30.40 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWC-10R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 9:51:43 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-5 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 103.75 ft Total Depth: 113.75 ft Initial Depth to Water: 74.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 108.75 ft Estimated Total Volume Pumped: 11020 ml Flow Cell Volume: 90 ml Final Flow Rate: 145 ml/min Final Draw Down: 5.65 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/20/2023 9:51 AM	00:00	6.25 pH	15.12 °C	59.96 µS/cm	7.29 mg/L	4.31 NTU	149.7 mV	76.92 ft	0.03 PSU	145.00 ml/min
2/20/2023 9:55 AM	04:00	6.24 pH	15.35 °C	60.41 µS/cm	7.26 mg/L	3.97 NTU	126.8 mV	77.16 ft	0.03 PSU	145.00 ml/min
2/20/2023 9:59 AM	08:00	6.21 pH	15.62 °C	59.69 µS/cm	7.32 mg/L	2.85 NTU	117.4 mV	77.47 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:03 AM	12:00	6.18 pH	15.77 °C	58.45 µS/cm	7.38 mg/L	2.66 NTU	112.1 mV	77.72 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:07 AM	16:00	6.18 pH	16.15 °C	56.78 µS/cm	7.47 mg/L	2.17 NTU	108.7 mV	77.98 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:11 AM	20:00	6.16 pH	16.38 °C	53.83 µS/cm	7.60 mg/L	2.06 NTU	107.6 mV	78.23 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:15 AM	24:00	6.12 pH	16.56 °C	52.04 µS/cm	7.74 mg/L	2.56 NTU	107.3 mV	78.43 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:19 AM	28:00	6.07 pH	16.64 °C	49.80 µS/cm	7.91 mg/L	1.86 NTU	107.7 mV	78.61 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:23 AM	32:00	6.02 pH	16.81 °C	48.37 µS/cm	7.99 mg/L	1.93 NTU	108.5 mV	78.78 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:27 AM	36:00	5.99 pH	16.94 °C	46.60 µS/cm	8.12 mg/L	1.89 NTU	108.5 mV	78.92 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:31 AM	40:00	5.96 pH	16.92 °C	44.55 µS/cm	8.21 mg/L	1.79 NTU	108.8 mV	79.06 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:35 AM	44:00	5.99 pH	16.32 °C	42.76 µS/cm	8.43 mg/L	1.78 NTU	108.5 mV	79.22 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:39 AM	48:00	5.94 pH	16.61 °C	41.05 µS/cm	8.47 mg/L	1.83 NTU	109.5 mV	79.35 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:43 AM	52:00	5.92 pH	16.56 °C	40.17 µS/cm	8.61 mg/L	2.01 NTU	109.4 mV	79.48 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:47 AM	56:00	5.88 pH	16.87 °C	39.22 µS/cm	8.61 mg/L	2.10 NTU	109.8 mV	79.61 ft	0.02 PSU	145.00 ml/min

2/20/2023 10:51 AM	01:00:00	5.85 pH	16.96 °C	38.25 µS/cm	8.63 mg/L	1.84 NTU	109.9 mV	79.73 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:55 AM	01:04:00	5.84 pH	16.74 °C	37.24 µS/cm	8.72 mg/L	1.58 NTU	109.2 mV	79.84 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:59 AM	01:08:00	5.83 pH	16.60 °C	36.62 µS/cm	8.81 mg/L	1.32 NTU	109.3 mV	79.97 ft	0.02 PSU	145.00 ml/min
2/20/2023 11:03 AM	01:12:00	5.81 pH	16.59 °C	35.75 µS/cm	8.89 mg/L	1.47 NTU	108.3 mV	80.06 ft	0.02 PSU	145.00 ml/min
2/20/2023 11:07 AM	01:16:00	5.78 pH	16.65 °C	35.05 µS/cm	8.91 mg/L	1.43 NTU	108.4 mV	80.16 ft	0.02 PSU	145.00 ml/min

Samples

Sample ID:	Description:
GWC-5	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 11:04:36 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-10 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 61.81 ft Total Depth: 71.81 ft Initial Depth to Water: 30.34 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 66.81 ft Estimated Total Volume Pumped: 13200 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/20/2023 11:04 AM	00:00	6.72 pH	15.13 °C	198.53 µS/cm	6.80 mg/L	2.35 NTU	140.4 mV	30.34 ft	150.00 ml/min
2/20/2023 11:08 AM	04:00	5.98 pH	15.47 °C	83.58 µS/cm	7.54 mg/L	5.63 NTU	138.8 mV	30.34 ft	150.00 ml/min
2/20/2023 11:12 AM	08:00	5.41 pH	15.45 °C	63.96 µS/cm	7.64 mg/L	8.15 NTU	138.7 mV	30.34 ft	150.00 ml/min
2/20/2023 11:16 AM	12:00	5.15 pH	15.45 °C	57.66 µS/cm	7.68 mg/L	7.80 NTU	138.6 mV	30.34 ft	150.00 ml/min
2/20/2023 11:20 AM	16:00	5.03 pH	15.57 °C	55.19 µS/cm	7.68 mg/L	8.49 NTU	138.9 mV	30.34 ft	150.00 ml/min
2/20/2023 11:24 AM	20:00	4.99 pH	15.64 °C	53.92 µS/cm	7.68 mg/L	8.16 NTU	138.4 mV	30.34 ft	150.00 ml/min
2/20/2023 11:28 AM	24:00	4.96 pH	15.62 °C	52.21 µS/cm	7.68 mg/L	7.11 NTU	137.9 mV	30.34 ft	150.00 ml/min
2/20/2023 11:32 AM	28:00	5.09 pH	15.54 °C	51.28 µS/cm	7.70 mg/L	6.22 NTU	138.2 mV	30.34 ft	150.00 ml/min
2/20/2023 11:36 AM	32:00	5.08 pH	15.62 °C	51.33 µS/cm	7.69 mg/L	5.92 NTU	137.2 mV	30.34 ft	150.00 ml/min
2/20/2023 11:40 AM	36:00	5.08 pH	15.65 °C	51.53 µS/cm	7.69 mg/L	5.06 NTU	137.2 mV	30.34 ft	150.00 ml/min
2/20/2023 11:44 AM	40:00	5.08 pH	15.67 °C	52.55 µS/cm	7.67 mg/L	4.14 NTU	136.6 mV	30.34 ft	150.00 ml/min
2/20/2023 11:48 AM	44:00	5.09 pH	15.67 °C	54.13 µS/cm	7.67 mg/L	4.47 NTU	136.7 mV	30.34 ft	150.00 ml/min
2/20/2023 11:52 AM	48:00	4.99 pH	15.63 °C	57.95 µS/cm	7.65 mg/L	4.09 NTU	135.3 mV	30.34 ft	150.00 ml/min
2/20/2023 11:56 AM	52:00	5.06 pH	15.61 °C	63.06 µS/cm	7.65 mg/L	3.85 NTU	134.6 mV	30.34 ft	150.00 ml/min
2/20/2023 12:00 PM	56:00	5.13 pH	15.68 °C	69.74 µS/cm	7.65 mg/L	2.69 NTU	133.1 mV	30.34 ft	150.00 ml/min

2/20/2023 12:04 PM	01:00:00	5.20 pH	15.76 °C	75.60 µS/cm	7.63 mg/L	2.73 NTU	132.9 mV	30.34 ft	150.00 ml/min
2/20/2023 12:08 PM	01:04:00	5.25 pH	15.80 °C	80.82 µS/cm	7.62 mg/L	2.69 NTU	132.1 mV	30.34 ft	150.00 ml/min
2/20/2023 12:12 PM	01:08:00	5.28 pH	15.85 °C	84.75 µS/cm	7.61 mg/L	2.49 NTU	131.7 mV	30.34 ft	150.00 ml/min
2/20/2023 12:16 PM	01:12:00	5.31 pH	15.89 °C	87.43 µS/cm	7.62 mg/L	2.29 NTU	131.1 mV	30.34 ft	150.00 ml/min
2/20/2023 12:20 PM	01:16:00	5.34 pH	15.94 °C	90.20 µS/cm	7.63 mg/L	1.82 NTU	131.4 mV	30.34 ft	150.00 ml/min
2/20/2023 12:24 PM	01:20:00	5.36 pH	15.90 °C	92.01 µS/cm	7.63 mg/L	1.99 NTU	130.8 mV	30.34 ft	150.00 ml/min
2/20/2023 12:28 PM	01:24:00	5.38 pH	15.91 °C	93.59 µS/cm	7.64 mg/L	1.63 NTU	130.6 mV	30.34 ft	150.00 ml/min
2/20/2023 12:32 PM	01:28:00	5.39 pH	15.98 °C	95.00 µS/cm	7.63 mg/L	1.42 NTU	130.6 mV	30.34 ft	150.00 ml/min

Samples

Sample ID:	Description:
GWC-10R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 11:50:18 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-7Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 107 ft Total Depth: 117 ft Initial Depth to Water: 52.3 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 112 ft Estimated Total Volume Pumped: 7480 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0.17 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/20/2023 11:50 AM	00:00	6.67 pH	16.07 °C	235.38 µS/cm	0.51 mg/L	0.91 NTU	8.4 mV	52.44 ft	0.13 PSU	170.00 ml/min
2/20/2023 11:54 AM	04:00	6.82 pH	16.16 °C	236.52 µS/cm	0.61 mg/L	1.76 NTU	23.3 mV	52.45 ft	0.13 PSU	170.00 ml/min
2/20/2023 11:58 AM	08:00	6.92 pH	16.27 °C	236.85 µS/cm	1.35 mg/L	3.28 NTU	24.5 mV	52.45 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:02 PM	12:00	6.98 pH	16.31 °C	235.43 µS/cm	2.27 mg/L	4.06 NTU	28.2 mV	52.46 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:06 PM	16:00	7.08 pH	16.35 °C	235.68 µS/cm	2.80 mg/L	4.55 NTU	28.2 mV	52.46 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:10 PM	20:00	7.16 pH	16.37 °C	236.01 µS/cm	3.12 mg/L	4.17 NTU	29.6 mV	52.46 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:14 PM	24:00	7.22 pH	16.42 °C	236.11 µS/cm	3.35 mg/L	4.60 NTU	29.9 mV	52.47 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:18 PM	28:00	7.27 pH	16.44 °C	235.67 µS/cm	3.55 mg/L	4.45 NTU	30.3 mV	52.47 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:22 PM	32:00	7.30 pH	16.47 °C	235.03 µS/cm	3.75 mg/L	4.01 NTU	30.1 mV	52.47 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:26 PM	36:00	7.34 pH	16.52 °C	235.15 µS/cm	3.88 mg/L	4.36 NTU	30.0 mV	52.47 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:30 PM	40:00	7.36 pH	16.52 °C	234.67 µS/cm	3.99 mg/L	4.39 NTU	29.6 mV	52.47 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:34 PM	44:00	7.40 pH	16.67 °C	234.36 µS/cm	4.06 mg/L	4.00 NTU	28.1 mV	52.47 ft	0.12 PSU	170.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

GWC-7Z

Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2023 1:18:06 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-11 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.35 ft Total Depth: 47.35 ft Initial Depth to Water: 20.87 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 42.35 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	---	--

Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/20/2023 1:18 PM	00:00	5.83 pH	18.58 °C	103.20 µS/cm	4.56 mg/L	2.00 NTU	149.8 mV	20.87 ft	120.00 ml/min
2/20/2023 1:22 PM	04:00	5.54 pH	18.85 °C	83.55 µS/cm	4.18 mg/L	3.34 NTU	134.1 mV	20.87 ft	120.00 ml/min
2/20/2023 1:26 PM	08:00	5.48 pH	18.84 °C	81.30 µS/cm	4.22 mg/L	2.21 NTU	131.8 mV	20.87 ft	120.00 ml/min
2/20/2023 1:30 PM	12:00	5.48 pH	19.05 °C	81.97 µS/cm	4.23 mg/L	1.02 NTU	131.2 mV	20.87 ft	120.00 ml/min
2/20/2023 1:34 PM	16:00	5.49 pH	19.19 °C	83.61 µS/cm	4.27 mg/L	0.81 NTU	131.6 mV	20.87 ft	120.00 ml/min
2/20/2023 1:38 PM	20:00	5.52 pH	19.11 °C	86.05 µS/cm	4.32 mg/L	0.79 NTU	132.0 mV	20.87 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWC-11	Metals, Inorganics, Alkalinity, TDS
DUP-11	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 1:27:14 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-8Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 66.4 ft Total Depth: 76.4 ft Initial Depth to Water: 42.37 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 71.4 ft Estimated Total Volume Pumped: 8360 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.44 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
---	---	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/20/2023 1:27 PM	00:00	6.92 pH	16.69 °C	88.97 µS/cm	8.25 mg/L	2.09 NTU	58.0 mV	42.79 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:31 PM	04:00	6.76 pH	16.75 °C	90.07 µS/cm	8.26 mg/L	1.59 NTU	58.5 mV	42.80 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:35 PM	08:00	6.65 pH	16.82 °C	90.38 µS/cm	8.21 mg/L	1.23 NTU	58.9 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:39 PM	12:00	6.59 pH	16.83 °C	90.79 µS/cm	8.24 mg/L	1.05 NTU	58.6 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:43 PM	16:00	6.53 pH	16.70 °C	91.36 µS/cm	8.20 mg/L	1.09 NTU	59.5 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:47 PM	20:00	6.49 pH	16.73 °C	92.35 µS/cm	8.18 mg/L	1.14 NTU	59.8 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:51 PM	24:00	6.48 pH	16.72 °C	93.59 µS/cm	8.24 mg/L	1.33 NTU	59.7 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:55 PM	28:00	6.47 pH	16.77 °C	95.50 µS/cm	8.16 mg/L	1.33 NTU	59.8 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:59 PM	32:00	6.47 pH	16.70 °C	99.51 µS/cm	8.16 mg/L	1.44 NTU	59.6 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 2:03 PM	36:00	6.47 pH	16.82 °C	105.03 µS/cm	8.22 mg/L	1.56 NTU	59.5 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 2:07 PM	40:00	6.51 pH	16.69 °C	111.86 µS/cm	8.21 mg/L	1.50 NTU	59.0 mV	42.81 ft	0.06 PSU	110.00 ml/min
2/20/2023 2:11 PM	44:00	6.55 pH	16.76 °C	119.37 µS/cm	8.31 mg/L	1.57 NTU	58.7 mV	42.81 ft	0.06 PSU	110.00 ml/min
2/20/2023 2:15 PM	48:00	6.58 pH	16.83 °C	126.86 µS/cm	8.37 mg/L	1.44 NTU	58.6 mV	42.81 ft	0.07 PSU	110.00 ml/min
2/20/2023 2:19 PM	52:00	6.63 pH	16.93 °C	132.86 µS/cm	8.37 mg/L	1.42 NTU	58.2 mV	42.81 ft	0.07 PSU	110.00 ml/min
2/20/2023 2:23 PM	56:00	6.68 pH	16.75 °C	138.14 µS/cm	8.39 mg/L	1.44 NTU	57.8 mV	42.81 ft	0.07 PSU	110.00 ml/min

2/20/2023 2:27 PM	01:00:00	6.72 pH	16.92 °C	143.34 µS/cm	8.34 mg/L	1.50 NTU	57.8 mV	42.81 ft	0.08 PSU	110.00 ml/min
2/20/2023 2:31 PM	01:04:00	6.77 pH	17.01 °C	147.21 µS/cm	8.35 mg/L	1.40 NTU	57.7 mV	42.81 ft	0.08 PSU	110.00 ml/min
2/20/2023 2:35 PM	01:08:00	6.81 pH	17.01 °C	150.61 µS/cm	8.38 mg/L	1.47 NTU	57.3 mV	42.81 ft	0.08 PSU	110.00 ml/min
2/20/2023 2:39 PM	01:12:00	6.84 pH	16.92 °C	153.52 µS/cm	8.40 mg/L	1.45 NTU	57.2 mV	42.81 ft	0.08 PSU	110.00 ml/min
2/20/2023 2:43 PM	01:16:00	6.87 pH	16.96 °C	157.33 µS/cm	8.45 mg/L	1.35 NTU	57.2 mV	42.81 ft	0.08 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-8Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 2:22:49 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-11R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 73.2 ft Total Depth: 83.2 ft Initial Depth to Water: 20.76 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 78.2 ft Estimated Total Volume Pumped: 4340 ml Flow Cell Volume: 90 ml Final Flow Rate: 155 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	--	--

Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/20/2023 2:22 PM	00:00	6.57 pH	20.63 °C	293.84 µS/cm	1.73 mg/L	0.53 NTU	127.0 mV	20.76 ft	155.00 ml/min
2/20/2023 2:26 PM	04:00	6.86 pH	18.98 °C	296.43 µS/cm	4.61 mg/L	0.20 NTU	126.1 mV	20.76 ft	155.00 ml/min
2/20/2023 2:30 PM	08:00	7.03 pH	18.68 °C	298.65 µS/cm	5.44 mg/L	0.37 NTU	127.3 mV	20.76 ft	155.00 ml/min
2/20/2023 2:34 PM	12:00	7.10 pH	18.56 °C	299.96 µS/cm	5.60 mg/L	0.56 NTU	127.9 mV	20.76 ft	155.00 ml/min
2/20/2023 2:38 PM	16:00	7.14 pH	18.42 °C	300.41 µS/cm	5.68 mg/L	0.41 NTU	129.0 mV	20.76 ft	155.00 ml/min
2/20/2023 2:42 PM	20:00	7.17 pH	18.35 °C	300.61 µS/cm	5.78 mg/L	0.46 NTU	128.2 mV	20.76 ft	155.00 ml/min
2/20/2023 2:46 PM	24:00	7.19 pH	18.09 °C	299.88 µS/cm	5.85 mg/L	0.28 NTU	128.0 mV	20.76 ft	155.00 ml/min
2/20/2023 2:50 PM	28:00	7.20 pH	18.05 °C	300.15 µS/cm	5.91 mg/L	0.13 NTU	127.3 mV	20.76 ft	155.00 ml/min

Samples

Sample ID:	Description:
GWC-11R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/21/2023 9:05:40 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-8RR Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 101.83 ft Total Depth: 111.83 ft Initial Depth to Water: 42.19 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 106.83 ft Estimated Total Volume Pumped: 4400 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	---	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/21/2023 9:05 AM	00:00	7.13 pH	15.66 °C	164.85 µS/cm	5.85 mg/L	1.00 NTU	134.0 mV	42.27 ft	0.09 PSU	110.00 ml/min
2/21/2023 9:09 AM	04:00	7.25 pH	15.66 °C	155.14 µS/cm	7.46 mg/L	1.57 NTU	103.7 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:13 AM	08:00	7.36 pH	15.66 °C	153.90 µS/cm	8.06 mg/L	1.77 NTU	90.2 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:17 AM	12:00	7.50 pH	15.74 °C	155.55 µS/cm	8.28 mg/L	2.20 NTU	84.1 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:21 AM	16:00	7.58 pH	15.74 °C	157.23 µS/cm	8.32 mg/L	1.79 NTU	80.1 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:25 AM	20:00	7.64 pH	15.71 °C	158.35 µS/cm	8.49 mg/L	1.35 NTU	78.2 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:29 AM	24:00	7.71 pH	15.79 °C	158.17 µS/cm	8.51 mg/L	1.18 NTU	76.5 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:33 AM	28:00	7.76 pH	15.78 °C	158.29 µS/cm	8.61 mg/L	0.81 NTU	75.5 mV	42.27 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:37 AM	32:00	7.80 pH	15.77 °C	158.53 µS/cm	8.63 mg/L	0.89 NTU	74.0 mV	42.27 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:41 AM	36:00	7.84 pH	15.78 °C	158.73 µS/cm	8.67 mg/L	0.81 NTU	73.4 mV	42.27 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:45 AM	40:00	7.88 pH	15.75 °C	159.02 µS/cm	8.64 mg/L	0.77 NTU	73.2 mV	42.27 ft	0.08 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-8RR	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/21/2023 10:29:12 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-9 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 67.16 ft Total Depth: 77.16 ft Initial Depth to Water: 37.68 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 72.16 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/21/2023 10:29 AM	00:00	5.17 pH	16.38 °C	39.96 µS/cm	7.17 mg/L	0.07 NTU	109.4 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:33 AM	04:00	4.72 pH	16.43 °C	39.81 µS/cm	7.16 mg/L	0.03 NTU	97.8 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:37 AM	08:00	4.63 pH	16.47 °C	39.79 µS/cm	7.14 mg/L	0.09 NTU	95.4 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:41 AM	12:00	4.61 pH	16.47 °C	39.85 µS/cm	7.13 mg/L	0.02 NTU	94.3 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:45 AM	16:00	4.60 pH	16.47 °C	39.83 µS/cm	7.14 mg/L	0.01 NTU	92.9 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:49 AM	20:00	4.60 pH	16.51 °C	39.76 µS/cm	7.13 mg/L	0.02 NTU	92.2 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:53 AM	24:00	4.59 pH	16.56 °C	39.71 µS/cm	7.13 mg/L	0.01 NTU	91.3 mV	37.71 ft	0.02 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-9	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/21/2023 12:41:09 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-13RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 94.3 ft Total Depth: 104.3 ft Initial Depth to Water: 63.73 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 99.3 ft Estimated Total Volume Pumped: 17600 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 30.9 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 5 L

Historically drawdown does not stabilize. Water had strong odor at the start of prepurging. DTW fell into screen interval. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/21/2023 12:41 PM	00:00	7.29 pH	17.18 °C	435.09 µS/cm	1.33 mg/L	1.13 NTU	34.8 mV	71.06 ft	0.24 PSU	200.00 ml/min
2/21/2023 12:45 PM	04:00	7.34 pH	17.14 °C	433.48 µS/cm	1.23 mg/L	0.89 NTU	48.7 mV	71.95 ft	0.23 PSU	200.00 ml/min
2/21/2023 12:49 PM	08:00	7.36 pH	17.14 °C	433.15 µS/cm	1.12 mg/L	0.85 NTU	51.0 mV	73.13 ft	0.23 PSU	200.00 ml/min
2/21/2023 12:53 PM	12:00	7.35 pH	17.18 °C	433.23 µS/cm	1.01 mg/L	1.45 NTU	51.5 mV	74.22 ft	0.23 PSU	200.00 ml/min
2/21/2023 12:57 PM	16:00	7.38 pH	17.23 °C	433.30 µS/cm	0.95 mg/L	1.55 NTU	45.7 mV	75.48 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:01 PM	20:00	7.35 pH	17.23 °C	432.97 µS/cm	0.95 mg/L	2.09 NTU	43.9 mV	76.65 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:05 PM	24:00	7.33 pH	17.27 °C	433.35 µS/cm	0.96 mg/L	2.09 NTU	44.3 mV	77.82 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:09 PM	28:00	7.29 pH	17.27 °C	433.65 µS/cm	0.99 mg/L	1.86 NTU	45.9 mV	79.03 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:13 PM	32:00	7.27 pH	17.36 °C	433.28 µS/cm	1.04 mg/L	1.76 NTU	47.8 mV	80.08 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:17 PM	36:00	7.24 pH	17.32 °C	433.78 µS/cm	1.08 mg/L	1.89 NTU	50.0 mV	81.20 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:21 PM	40:00	7.21 pH	17.32 °C	433.88 µS/cm	1.12 mg/L	1.55 NTU	51.9 mV	82.38 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:25 PM	44:00	7.22 pH	17.36 °C	433.86 µS/cm	1.15 mg/L	1.75 NTU	52.5 mV	83.47 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:29 PM	48:00	7.21 pH	17.22 °C	434.13 µS/cm	1.19 mg/L	1.41 NTU	54.0 mV	84.54 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:33 PM	52:00	7.19 pH	17.34 °C	434.62 µS/cm	1.21 mg/L	1.30 NTU	55.3 mV	85.61 ft	0.23 PSU	200.00 ml/min

2/21/2023 1:37 PM	56:00	7.19 pH	17.32 °C	434.63 µS/cm	1.23 mg/L	1.37 NTU	56.5 mV	86.66 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:41 PM	01:00:00	7.18 pH	17.34 °C	434.93 µS/cm	1.25 mg/L	1.22 NTU	56.9 mV	87.68 ft	0.24 PSU	200.00 ml/min
2/21/2023 1:45 PM	01:04:00	7.16 pH	17.28 °C	436.10 µS/cm	1.32 mg/L	1.19 NTU	58.3 mV	88.71 ft	0.24 PSU	200.00 ml/min
2/21/2023 1:49 PM	01:08:00	7.18 pH	17.27 °C	436.09 µS/cm	1.35 mg/L	1.23 NTU	57.2 mV	89.77 ft	0.24 PSU	200.00 ml/min
2/21/2023 1:53 PM	01:12:00	7.19 pH	17.33 °C	435.98 µS/cm	1.36 mg/L	1.45 NTU	58.0 mV	90.75 ft	0.24 PSU	200.00 ml/min
2/21/2023 1:57 PM	01:16:00	7.18 pH	17.21 °C	436.86 µS/cm	1.39 mg/L	1.11 NTU	58.7 mV	91.73 ft	0.24 PSU	200.00 ml/min
2/21/2023 2:01 PM	01:20:00	7.18 pH	17.13 °C	437.70 µS/cm	1.44 mg/L	1.14 NTU	58.7 mV	92.69 ft	0.24 PSU	200.00 ml/min
2/21/2023 2:05 PM	01:24:00	7.19 pH	17.13 °C	438.14 µS/cm	1.48 mg/L	1.10 NTU	58.6 mV	93.60 ft	0.24 PSU	200.00 ml/min
2/21/2023 2:09 PM	01:28:00	7.18 pH	17.10 °C	438.41 µS/cm	1.51 mg/L	1.09 NTU	59.1 mV	94.63 ft	0.24 PSU	200.00 ml/min

Samples

Sample ID:	Description:
-------------------	---------------------

Low-Flow Test Report:

Test Date / Time: 2/21/2023 2:37:19 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-12 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.03 ft Total Depth: 54.03 ft Initial Depth to Water: 20 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 49.03 ft Estimated Total Volume Pumped: 2773.333 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.61 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/21/2023 2:37 PM	00:00	6.25 pH	17.63 °C	107.86 µS/cm	0.29 mg/L	0.33 NTU	42.7 mV	20.52 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:41 PM	04:00	6.19 pH	17.50 °C	108.26 µS/cm	0.21 mg/L	0.43 NTU	46.6 mV	20.54 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:45 PM	08:00	6.16 pH	17.38 °C	108.85 µS/cm	0.20 mg/L	0.64 NTU	47.2 mV	20.56 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:46 PM	09:20	6.17 pH	17.36 °C	109.17 µS/cm	0.20 mg/L	0.64 NTU	46.8 mV	20.56 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:50 PM	13:20	6.16 pH	17.23 °C	110.12 µS/cm	0.21 mg/L	0.72 NTU	45.9 mV	20.58 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:54 PM	17:20	6.16 pH	17.13 °C	111.07 µS/cm	0.22 mg/L	0.90 NTU	45.7 mV	20.60 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:58 PM	21:20	6.18 pH	17.09 °C	111.67 µS/cm	0.24 mg/L	0.87 NTU	43.9 mV	20.61 ft	0.06 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-12	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/22/2023 9:45:48 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-15Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 64.9 ft Total Depth: 74.9 ft Initial Depth to Water: 38.17 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 69.9 ft Estimated Total Volume Pumped: 6240 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.29 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	---	--

Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/22/2023 9:45 AM	00:00	6.97 pH	17.02 °C	237.36 µS/cm	7.09 mg/L	0.37 NTU	142.3 mV	38.17 ft	120.00 ml/min
2/22/2023 9:49 AM	04:00	7.14 pH	17.25 °C	234.70 µS/cm	7.18 mg/L	0.17 NTU	134.4 mV	38.27 ft	120.00 ml/min
2/22/2023 9:53 AM	08:00	7.28 pH	17.24 °C	231.71 µS/cm	7.04 mg/L	0.13 NTU	132.4 mV	38.31 ft	120.00 ml/min
2/22/2023 9:57 AM	12:00	7.37 pH	17.28 °C	231.62 µS/cm	6.93 mg/L	0.18 NTU	132.8 mV	38.36 ft	120.00 ml/min
2/22/2023 10:01 AM	16:00	7.42 pH	17.26 °C	231.24 µS/cm	6.91 mg/L	0.66 NTU	132.3 mV	38.42 ft	120.00 ml/min
2/22/2023 10:05 AM	20:00	7.45 pH	17.33 °C	231.32 µS/cm	6.84 mg/L	0.74 NTU	131.1 mV	38.44 ft	120.00 ml/min
2/22/2023 10:09 AM	24:00	7.47 pH	17.28 °C	231.63 µS/cm	6.81 mg/L	1.38 NTU	130.6 mV	38.45 ft	120.00 ml/min
2/22/2023 10:13 AM	28:00	7.48 pH	17.31 °C	231.91 µS/cm	6.79 mg/L	1.73 NTU	129.9 mV	38.45 ft	120.00 ml/min
2/22/2023 10:17 AM	32:00	7.48 pH	17.30 °C	232.62 µS/cm	6.78 mg/L	2.07 NTU	128.7 mV	38.46 ft	120.00 ml/min
2/22/2023 10:21 AM	36:00	7.49 pH	17.31 °C	233.03 µS/cm	6.74 mg/L	2.10 NTU	128.1 mV	38.46 ft	120.00 ml/min
2/22/2023 10:25 AM	40:00	7.49 pH	17.33 °C	233.10 µS/cm	6.73 mg/L	2.28 NTU	127.2 mV	38.46 ft	120.00 ml/min
2/22/2023 10:29 AM	44:00	7.49 pH	17.38 °C	232.57 µS/cm	6.72 mg/L	2.67 NTU	126.9 mV	38.46 ft	120.00 ml/min
2/22/2023 10:33 AM	48:00	7.49 pH	17.41 °C	232.51 µS/cm	6.71 mg/L	2.34 NTU	126.5 mV	38.46 ft	120.00 ml/min
2/22/2023 10:37 AM	52:00	7.49 pH	17.59 °C	232.17 µS/cm	6.69 mg/L	2.30 NTU	128.8 mV	38.46 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWC-15Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/22/2023 10:01:18 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-13RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 94.3 ft Total Depth: 104.3 ft Initial Depth to Water: 94.48 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 99.3 ft Estimated Total Volume Pumped: 146.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.27 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Complete evac on 2/21/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/22/2023 10:01 AM	00:00	7.17 pH	16.08 °C	432.36 µS/cm	3.74 mg/L	0.28 NTU	164.3 mV	94.75 ft	0.23 PSU	110.00 ml/min
2/22/2023 10:01 AM	00:20	7.16 pH	16.02 °C	436.32 µS/cm	3.71 mg/L		152.5 mV	94.75 ft	0.24 PSU	110.00 ml/min
2/22/2023 10:01 AM	00:40	7.15 pH	16.02 °C	437.13 µS/cm	3.69 mg/L		141.2 mV	94.75 ft	0.24 PSU	110.00 ml/min
2/22/2023 10:02 AM	01:00	7.15 pH	16.03 °C	438.79 µS/cm	3.63 mg/L		132.2 mV	94.75 ft	0.24 PSU	110.00 ml/min
2/22/2023 10:02 AM	01:20	7.15 pH	16.11 °C	438.94 µS/cm	3.51 mg/L	0.21 NTU	122.6 mV	94.75 ft	0.24 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-13RZ	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/22/2023 10:54:40 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-13 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.8 ft Total Depth: 84.8 ft Initial Depth to Water: 29.47 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.8 ft Estimated Total Volume Pumped: 3520 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
---	---	--

Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/22/2023 10:54 AM	00:00	6.99 pH	17.72 °C	227.03 µS/cm	4.60 mg/L	11.70 NTU	51.2 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 10:58 AM	04:00	6.97 pH	17.99 °C	229.38 µS/cm	4.67 mg/L	11.54 NTU	57.3 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:02 AM	08:00	6.96 pH	18.26 °C	228.56 µS/cm	4.65 mg/L	8.90 NTU	58.6 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:06 AM	12:00	6.95 pH	18.30 °C	229.44 µS/cm	4.69 mg/L	7.70 NTU	59.5 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:10 AM	16:00	6.97 pH	18.11 °C	229.80 µS/cm	4.72 mg/L	6.02 NTU	59.6 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:14 AM	20:00	6.96 pH	18.05 °C	229.45 µS/cm	4.73 mg/L	5.55 NTU	60.6 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:18 AM	24:00	6.96 pH	18.26 °C	229.59 µS/cm	4.72 mg/L	4.19 NTU	61.1 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:22 AM	28:00	6.96 pH	18.04 °C	229.67 µS/cm	4.74 mg/L	3.83 NTU	61.6 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:26 AM	32:00	6.96 pH	18.12 °C	230.09 µS/cm	4.75 mg/L	3.42 NTU	62.0 mV	29.50 ft	0.12 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-13	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/22/2023 11:33:06 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-15R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 87.5 ft Total Depth: 97.5 ft Initial Depth to Water: 38.36 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 92.5 ft Estimated Total Volume Pumped: 15120 ml Flow Cell Volume: 90 ml Final Flow Rate: 135 ml/min Final Draw Down: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	--	--

Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/22/2023 11:33 AM	00:00	7.22 pH	18.36 °C	308.22 µS/cm	3.46 mg/L	0.11 NTU	57.0 mV	38.36 ft	135.00 ml/min
2/22/2023 11:37 AM	04:00	7.15 pH	18.17 °C	352.86 µS/cm	2.25 mg/L	0.44 NTU	70.9 mV	38.38 ft	135.00 ml/min
2/22/2023 11:41 AM	08:00	7.23 pH	18.26 °C	374.96 µS/cm	2.90 mg/L	1.20 NTU	95.8 mV	38.40 ft	135.00 ml/min
2/22/2023 11:45 AM	12:00	7.26 pH	18.47 °C	375.84 µS/cm	3.01 mg/L	7.59 NTU	108.2 mV	38.40 ft	135.00 ml/min
2/22/2023 11:49 AM	16:00	7.27 pH	18.94 °C	376.47 µS/cm	2.98 mg/L	14.45 NTU	114.4 mV	38.40 ft	135.00 ml/min
2/22/2023 11:53 AM	20:00	7.27 pH	18.79 °C	380.84 µS/cm	2.96 mg/L	12.90 NTU	118.2 mV	38.40 ft	135.00 ml/min
2/22/2023 11:57 AM	24:00	7.27 pH	18.97 °C	379.52 µS/cm	2.85 mg/L	13.20 NTU	120.1 mV	38.40 ft	135.00 ml/min
2/22/2023 12:01 PM	28:00	7.27 pH	18.89 °C	377.68 µS/cm	2.76 mg/L	11.10 NTU	121.5 mV	38.40 ft	135.00 ml/min
2/22/2023 12:05 PM	32:00	7.28 pH	18.48 °C	376.88 µS/cm	2.76 mg/L	14.55 NTU	123.3 mV	38.40 ft	135.00 ml/min
2/22/2023 12:09 PM	36:00	7.28 pH	18.34 °C	373.78 µS/cm	2.77 mg/L	13.58 NTU	124.0 mV	38.40 ft	135.00 ml/min
2/22/2023 12:13 PM	40:00	7.29 pH	18.09 °C	371.20 µS/cm	2.78 mg/L	11.88 NTU	124.5 mV	38.40 ft	135.00 ml/min
2/22/2023 12:17 PM	44:00	7.29 pH	18.08 °C	368.36 µS/cm	2.79 mg/L	11.59 NTU	124.2 mV	38.40 ft	135.00 ml/min
2/22/2023 12:21 PM	48:00	7.29 pH	18.62 °C	366.98 µS/cm	2.76 mg/L	10.88 NTU	124.0 mV	38.40 ft	135.00 ml/min
2/22/2023 12:25 PM	52:00	7.29 pH	18.66 °C	365.37 µS/cm	2.76 mg/L	10.20 NTU	124.3 mV	38.40 ft	135.00 ml/min
2/22/2023 12:29 PM	56:00	7.29 pH	18.77 °C	362.16 µS/cm	2.74 mg/L	9.69 NTU	124.5 mV	38.40 ft	135.00 ml/min

2/22/2023 12:33 PM	01:00:00	7.30 pH	18.40 °C	359.82 µS/cm	2.76 mg/L	8.90 NTU	124.1 mV	38.40 ft	135.00 ml/min
2/22/2023 12:37 PM	01:04:00	7.30 pH	18.37 °C	356.89 µS/cm	2.77 mg/L	8.33 NTU	124.4 mV	38.40 ft	135.00 ml/min
2/22/2023 12:41 PM	01:08:00	7.30 pH	18.57 °C	352.82 µS/cm	2.82 mg/L	7.21 NTU	124.2 mV	38.40 ft	135.00 ml/min
2/22/2023 12:45 PM	01:12:00	7.30 pH	18.90 °C	350.76 µS/cm	2.80 mg/L	7.44 NTU	123.9 mV	38.40 ft	135.00 ml/min
2/22/2023 12:49 PM	01:16:00	7.31 pH	18.62 °C	346.08 µS/cm	2.81 mg/L	7.28 NTU	123.7 mV	38.40 ft	135.00 ml/min
2/22/2023 12:53 PM	01:20:00	7.30 pH	19.42 °C	342.83 µS/cm	2.79 mg/L	6.58 NTU	123.5 mV	38.40 ft	135.00 ml/min
2/22/2023 12:57 PM	01:24:00	7.31 pH	19.68 °C	338.39 µS/cm	2.77 mg/L	6.05 NTU	123.3 mV	38.40 ft	135.00 ml/min
2/22/2023 1:01 PM	01:28:00	7.31 pH	19.56 °C	336.83 µS/cm	2.79 mg/L	5.75 NTU	123.5 mV	38.40 ft	135.00 ml/min
2/22/2023 1:05 PM	01:32:00	7.31 pH	19.64 °C	336.69 µS/cm	2.80 mg/L	5.26 NTU	123.8 mV	38.40 ft	135.00 ml/min
2/22/2023 1:09 PM	01:36:00	7.32 pH	19.69 °C	335.48 µS/cm	2.76 mg/L	5.15 NTU	123.9 mV	38.40 ft	135.00 ml/min
2/22/2023 1:13 PM	01:40:00	7.32 pH	19.70 °C	335.27 µS/cm	2.78 mg/L	5.25 NTU	124.5 mV	38.40 ft	135.00 ml/min
2/22/2023 1:17 PM	01:44:00	7.33 pH	19.54 °C	336.27 µS/cm	2.78 mg/L	4.91 NTU	124.9 mV	38.40 ft	135.00 ml/min
2/22/2023 1:21 PM	01:48:00	7.33 pH	19.35 °C	333.70 µS/cm	2.81 mg/L	4.59 NTU	124.4 mV	38.40 ft	135.00 ml/min
2/22/2023 1:25 PM	01:52:00	7.32 pH	19.79 °C	333.44 µS/cm	2.80 mg/L	4.22 NTU	124.8 mV	38.40 ft	135.00 ml/min

Samples

Sample ID:	Description:
GWC-15R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/22/2023 12:32:48 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-14Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 66.34 ft Total Depth: 76.34 ft Initial Depth to Water: 28.97 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 71.34 ft Estimated Total Volume Pumped: 3960 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 3.12 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/22/2023 12:32 PM	00:00	5.74 pH	19.25 °C	105.66 µS/cm	4.21 mg/L	0.02 NTU	77.2 mV	30.91 ft	0.06 PSU	110.00 ml/min
2/22/2023 12:36 PM	04:00	5.73 pH	19.32 °C	109.84 µS/cm	4.31 mg/L	0.07 NTU	75.5 mV	31.03 ft	0.06 PSU	110.00 ml/min
2/22/2023 12:40 PM	08:00	5.76 pH	19.36 °C	114.07 µS/cm	4.38 mg/L	0.12 NTU	75.4 mV	31.17 ft	0.06 PSU	110.00 ml/min
2/22/2023 12:44 PM	12:00	5.81 pH	19.53 °C	119.52 µS/cm	4.45 mg/L	0.06 NTU	74.7 mV	31.32 ft	0.06 PSU	110.00 ml/min
2/22/2023 12:48 PM	16:00	5.86 pH	19.28 °C	123.29 µS/cm	4.47 mg/L	0.09 NTU	74.2 mV	31.45 ft	0.06 PSU	110.00 ml/min
2/22/2023 12:52 PM	20:00	5.89 pH	19.50 °C	126.99 µS/cm	4.48 mg/L	0.10 NTU	74.6 mV	31.61 ft	0.07 PSU	110.00 ml/min
2/22/2023 12:56 PM	24:00	5.89 pH	19.68 °C	129.86 µS/cm	4.49 mg/L	0.07 NTU	74.4 mV	31.72 ft	0.07 PSU	110.00 ml/min
2/22/2023 1:00 PM	28:00	5.92 pH	19.55 °C	132.03 µS/cm	4.51 mg/L	0.10 NTU	74.3 mV	31.83 ft	0.07 PSU	110.00 ml/min
2/22/2023 1:04 PM	32:00	5.95 pH	19.50 °C	134.74 µS/cm	4.55 mg/L	0.08 NTU	74.4 mV	31.96 ft	0.07 PSU	110.00 ml/min
2/22/2023 1:08 PM	36:00	5.97 pH	19.47 °C	136.26 µS/cm	4.56 mg/L	0.08 NTU	74.4 mV	32.09 ft	0.07 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-14Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/8/2023 10:03:36 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-36RA Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99 ft Total Depth: 109 ft Initial Depth to Water: 30.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104 ft Estimated Total Volume Pumped: 21120 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	--	--

Test Notes:

Prepurge 1L

Unable to get pH into range

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/8/2023 10:03 AM	00:00	7.17 pH	16.21 °C	488.04 µS/cm	1.52 mg/L	2.53 NTU	166.0 mV	30.51 ft	110.00 ml/min
2/8/2023 10:07 AM	04:00	7.08 pH	16.61 °C	490.50 µS/cm	2.86 mg/L	8.19 NTU	151.5 mV	30.51 ft	110.00 ml/min
2/8/2023 10:11 AM	08:00	7.02 pH	16.66 °C	492.10 µS/cm	3.18 mg/L	12.30 NTU	146.9 mV	30.51 ft	110.00 ml/min
2/8/2023 10:15 AM	12:00	7.00 pH	16.70 °C	493.53 µS/cm	3.22 mg/L	16.50 NTU	142.0 mV	30.51 ft	110.00 ml/min
2/8/2023 10:19 AM	16:00	7.00 pH	16.78 °C	495.46 µS/cm	3.19 mg/L	16.70 NTU	141.0 mV	30.51 ft	110.00 ml/min
2/8/2023 10:23 AM	20:00	6.99 pH	16.79 °C	495.87 µS/cm	3.24 mg/L	15.70 NTU	138.1 mV	30.51 ft	110.00 ml/min
2/8/2023 10:27 AM	24:00	6.98 pH	16.85 °C	495.95 µS/cm	3.25 mg/L	16.60 NTU	137.0 mV	30.51 ft	110.00 ml/min
2/8/2023 10:31 AM	28:00	6.96 pH	17.01 °C	495.13 µS/cm	3.27 mg/L	13.10 NTU	131.7 mV	30.51 ft	110.00 ml/min
2/8/2023 10:35 AM	32:00	6.95 pH	17.15 °C	493.90 µS/cm	3.30 mg/L	12.20 NTU	131.3 mV	30.51 ft	110.00 ml/min
2/8/2023 10:39 AM	36:00	6.94 pH	17.15 °C	494.64 µS/cm	3.34 mg/L	11.30 NTU	128.4 mV	30.51 ft	110.00 ml/min
2/8/2023 10:43 AM	40:00	6.94 pH	17.07 °C	494.48 µS/cm	3.38 mg/L	15.05 NTU	127.0 mV	30.51 ft	110.00 ml/min
2/8/2023 10:47 AM	44:00	6.93 pH	16.96 °C	495.06 µS/cm	3.42 mg/L	13.93 NTU	127.1 mV	30.51 ft	110.00 ml/min
2/8/2023 10:51 AM	48:00	6.92 pH	16.94 °C	495.27 µS/cm	3.46 mg/L	11.00 NTU	126.8 mV	30.51 ft	110.00 ml/min
2/8/2023 10:55 AM	52:00	6.92 pH	16.92 °C	494.93 µS/cm	3.47 mg/L	14.25 NTU	124.9 mV	30.51 ft	110.00 ml/min
2/8/2023 10:59 AM	56:00	6.92 pH	16.95 °C	494.95 µS/cm	3.49 mg/L	11.98 NTU	124.7 mV	30.51 ft	110.00 ml/min

2/8/2023 11:03 AM	01:00:00	6.91 pH	16.97 °C	493.09 µS/cm	3.50 mg/L	14.35 NTU	124.3 mV	30.51 ft	110.00 ml/min
2/8/2023 11:07 AM	01:04:00	6.91 pH	16.96 °C	493.85 µS/cm	3.53 mg/L	13.10 NTU	124.5 mV	30.51 ft	110.00 ml/min
2/8/2023 11:11 AM	01:08:00	6.91 pH	16.97 °C	493.22 µS/cm	3.54 mg/L	12.76 NTU	123.9 mV	30.51 ft	110.00 ml/min
2/8/2023 11:15 AM	01:12:00	6.90 pH	16.97 °C	493.92 µS/cm	3.56 mg/L	12.45 NTU	122.7 mV	30.51 ft	110.00 ml/min
2/8/2023 11:19 AM	01:16:00	6.90 pH	16.95 °C	493.82 µS/cm	3.58 mg/L	10.30 NTU	122.4 mV	30.51 ft	110.00 ml/min
2/8/2023 11:23 AM	01:20:00	6.90 pH	16.94 °C	493.34 µS/cm	3.60 mg/L	11.14 NTU	122.2 mV	30.51 ft	110.00 ml/min
2/8/2023 11:27 AM	01:24:00	6.90 pH	17.02 °C	492.31 µS/cm	3.61 mg/L	10.46 NTU	121.5 mV	30.51 ft	110.00 ml/min
2/8/2023 11:31 AM	01:28:00	6.90 pH	17.07 °C	493.08 µS/cm	3.62 mg/L	10.27 NTU	121.3 mV	30.51 ft	110.00 ml/min
2/8/2023 11:35 AM	01:32:00	6.89 pH	17.21 °C	492.29 µS/cm	3.62 mg/L	9.71 NTU	120.9 mV	30.51 ft	110.00 ml/min
2/8/2023 11:39 AM	01:36:00	6.89 pH	17.33 °C	491.49 µS/cm	3.62 mg/L	9.32 NTU	120.8 mV	30.51 ft	110.00 ml/min
2/8/2023 11:43 AM	01:40:00	6.89 pH	17.28 °C	491.39 µS/cm	3.62 mg/L	10.00 NTU	120.2 mV	30.51 ft	110.00 ml/min
2/8/2023 11:47 AM	01:44:00	6.89 pH	17.35 °C	492.13 µS/cm	3.63 mg/L	9.38 NTU	120.4 mV	30.51 ft	110.00 ml/min
2/8/2023 11:51 AM	01:48:00	6.89 pH	17.33 °C	491.41 µS/cm	3.64 mg/L	9.06 NTU	120.7 mV	30.51 ft	110.00 ml/min
2/8/2023 11:55 AM	01:52:00	6.89 pH	17.37 °C	492.26 µS/cm	3.64 mg/L	8.98 NTU	120.0 mV	30.51 ft	110.00 ml/min
2/8/2023 11:59 AM	01:56:00	6.89 pH	17.51 °C	491.72 µS/cm	3.64 mg/L	8.24 NTU	119.7 mV	30.51 ft	110.00 ml/min
2/8/2023 12:03 PM	02:00:00	6.89 pH	17.59 °C	490.91 µS/cm	3.65 mg/L	8.08 NTU	120.0 mV	30.51 ft	110.00 ml/min
2/8/2023 12:07 PM	02:04:00	6.88 pH	17.66 °C	490.56 µS/cm	3.65 mg/L	7.91 NTU	120.0 mV	30.51 ft	110.00 ml/min
2/8/2023 12:11 PM	02:08:00	6.88 pH	17.61 °C	489.90 µS/cm	3.68 mg/L	7.93 NTU	120.1 mV	30.51 ft	110.00 ml/min
2/8/2023 12:15 PM	02:12:00	6.89 pH	17.55 °C	489.34 µS/cm	3.67 mg/L	7.55 NTU	120.0 mV	30.51 ft	110.00 ml/min
2/8/2023 12:19 PM	02:16:00	6.89 pH	17.51 °C	490.03 µS/cm	3.68 mg/L	7.54 NTU	120.1 mV	30.51 ft	110.00 ml/min
2/8/2023 12:23 PM	02:20:00	6.89 pH	17.72 °C	488.94 µS/cm	3.67 mg/L	6.74 NTU	119.7 mV	30.51 ft	110.00 ml/min
2/8/2023 12:27 PM	02:24:00	6.88 pH	18.05 °C	487.88 µS/cm	3.64 mg/L	6.82 NTU	119.8 mV	30.51 ft	110.00 ml/min
2/8/2023 12:31 PM	02:28:00	6.88 pH	18.22 °C	487.41 µS/cm	3.62 mg/L	6.45 NTU	119.8 mV	30.51 ft	110.00 ml/min
2/8/2023 12:35 PM	02:32:00	6.88 pH	18.36 °C	485.54 µS/cm	3.61 mg/L	6.26 NTU	120.0 mV	30.51 ft	110.00 ml/min
2/8/2023 12:39 PM	02:36:00	6.88 pH	18.60 °C	485.29 µS/cm	3.60 mg/L	6.03 NTU	120.2 mV	30.51 ft	110.00 ml/min
2/8/2023 12:43 PM	02:40:00	6.88 pH	18.74 °C	483.85 µS/cm	3.60 mg/L	5.92 NTU	120.3 mV	30.51 ft	110.00 ml/min
2/8/2023 12:47 PM	02:44:00	6.88 pH	18.80 °C	483.59 µS/cm	3.62 mg/L	5.78 NTU	121.0 mV	30.51 ft	110.00 ml/min
2/8/2023 12:51 PM	02:48:00	6.87 pH	18.84 °C	485.46 µS/cm	3.60 mg/L	5.67 NTU	121.5 mV	30.51 ft	110.00 ml/min
2/8/2023 12:55 PM	02:52:00	6.87 pH	18.75 °C	485.36 µS/cm	3.61 mg/L	5.52 NTU	121.6 mV	30.51 ft	110.00 ml/min

2/8/2023 12:59 PM	02:56:00	6.87 pH	18.80 °C	486.71 µS/cm	3.61 mg/L	5.39 NTU	121.9 mV	30.51 ft	110.00 ml/min
2/8/2023 1:03 PM	03:00:00	6.88 pH	18.57 °C	488.57 µS/cm	3.61 mg/L	5.12 NTU	122.3 mV	30.51 ft	110.00 ml/min
2/8/2023 1:07 PM	03:04:00	6.88 pH	18.66 °C	488.38 µS/cm	3.64 mg/L	4.96 NTU	122.9 mV	30.51 ft	110.00 ml/min
2/8/2023 1:11 PM	03:08:00	6.88 pH	18.93 °C	488.89 µS/cm	3.62 mg/L	4.50 NTU	123.3 mV	30.51 ft	110.00 ml/min
2/8/2023 1:15 PM	03:12:00	6.88 pH	18.99 °C	487.75 µS/cm	3.60 mg/L	4.33 NTU	123.6 mV	30.51 ft	110.00 ml/min

Samples

Sample ID:	Description:
GWA-36RA	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/8/2023 11:12:30 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

<p>Location Name: GWA-37 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 97.52 ft Total Depth: 107.52 ft Initial Depth to Water: 48.32 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 102.52 ft Estimated Total Volume Pumped: 11880 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 15.95 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789301</p>
---	--	---

Test Notes:

Prepurged 4 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/8/2023 11:12 AM	00:00	5.17 pH	17.00 °C	19.38 µS/cm	6.87 mg/L	0.37 NTU	136.8 mV	54.84 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:16 AM	04:00	5.15 pH	17.00 °C	19.43 µS/cm	6.83 mg/L	0.37 NTU	120.2 mV	55.51 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:20 AM	08:00	5.16 pH	17.00 °C	19.19 µS/cm	6.81 mg/L	0.07 NTU	115.0 mV	56.39 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:24 AM	12:00	5.18 pH	17.02 °C	19.25 µS/cm	6.76 mg/L	0.27 NTU	111.0 mV	57.28 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:28 AM	16:00	5.19 pH	17.10 °C	19.35 µS/cm	6.69 mg/L	0.09 NTU	107.5 mV	58.18 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:32 AM	20:00	5.19 pH	17.15 °C	19.54 µS/cm	6.62 mg/L	0.17 NTU	105.4 mV	59.07 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:36 AM	24:00	5.20 pH	17.23 °C	19.65 µS/cm	6.55 mg/L	0.13 NTU	103.8 mV	59.90 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:40 AM	28:00	5.22 pH	17.32 °C	19.77 µS/cm	6.46 mg/L	0.20 NTU	102.3 mV	60.71 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:44 AM	32:00	5.23 pH	17.30 °C	19.92 µS/cm	6.41 mg/L	0.14 NTU	100.6 mV	61.48 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:48 AM	36:00	5.22 pH	17.32 °C	20.06 µS/cm	6.34 mg/L	0.14 NTU	100.1 mV	62.29 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:52 AM	40:00	5.25 pH	17.36 °C	20.16 µS/cm	6.29 mg/L	0.14 NTU	99.0 mV	62.97 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:56 AM	44:00	5.24 pH	17.48 °C	20.27 µS/cm	6.24 mg/L	0.20 NTU	97.9 mV	63.30 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:00 PM	48:00	5.24 pH	17.59 °C	20.32 µS/cm	6.23 mg/L	0.11 NTU	97.4 mV	63.42 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:04 PM	52:00	5.25 pH	17.72 °C	20.65 µS/cm	6.18 mg/L	0.19 NTU	97.1 mV	63.58 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:08 PM	56:00	5.27 pH	17.90 °C	20.78 µS/cm	6.14 mg/L	0.19 NTU	96.3 mV	63.74 ft	0.01 PSU	110.00 ml/min

2/8/2023 12:12 PM	01:00:00	5.27 pH	17.85 °C	21.00 µS/cm	6.16 mg/L	0.23 NTU	96.3 mV	63.90 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:16 PM	01:04:00	5.28 pH	17.85 °C	21.21 µS/cm	6.18 mg/L	0.11 NTU	96.5 mV	64.02 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:20 PM	01:08:00	5.29 pH	17.85 °C	21.28 µS/cm	6.21 mg/L	0.17 NTU	96.1 mV	64.15 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:24 PM	01:12:00	5.30 pH	18.17 °C	21.39 µS/cm	6.23 mg/L	0.16 NTU	96.7 mV	64.27 ft	0.01 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWA-37	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/8/2023 1:22:10 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWA-38 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 59.35 ft Total Depth: 69.35 ft Initial Depth to Water: 51.2 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 64.35 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 1.6 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	---	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/8/2023 1:22 PM	00:00	5.28 pH	19.78 °C	38.89 µS/cm	7.49 mg/L	0.20 NTU	85.0 mV	52.02 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:26 PM	04:00	5.25 pH	19.65 °C	37.92 µS/cm	7.48 mg/L	0.14 NTU	76.0 mV	52.16 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:30 PM	08:00	5.20 pH	19.55 °C	37.05 µS/cm	7.53 mg/L	0.18 NTU	73.5 mV	52.35 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:34 PM	12:00	5.19 pH	19.29 °C	36.27 µS/cm	7.52 mg/L	0.18 NTU	72.0 mV	52.50 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:38 PM	16:00	5.17 pH	19.41 °C	35.96 µS/cm	7.52 mg/L	0.18 NTU	71.0 mV	52.62 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:42 PM	20:00	5.15 pH	19.70 °C	35.25 µS/cm	7.55 mg/L	0.20 NTU	70.7 mV	52.71 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:46 PM	24:00	5.13 pH	19.79 °C	34.83 µS/cm	7.49 mg/L	0.14 NTU	69.8 mV	52.80 ft	0.02 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWA-38	Metals, Inorganics, Alkalinity, TDS
DUP-6	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/8/2023 2:07:42 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-36A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 95.08 ft Total Depth: 105.08 ft Initial Depth to Water: 28.62 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 100.08 ft Estimated Total Volume Pumped: 6760 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	---	--

Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/8/2023 2:07 PM	00:00	7.24 pH	18.22 °C	473.98 µS/cm	1.27 mg/L	5.98 NTU	70.1 mV	28.62 ft	150.00 ml/min
2/8/2023 2:11 PM	04:00	7.00 pH	17.92 °C	465.64 µS/cm	2.58 mg/L	3.58 NTU	93.8 mV	28.63 ft	150.00 ml/min
2/8/2023 2:15 PM	08:00	6.89 pH	17.69 °C	465.27 µS/cm	3.14 mg/L	1.58 NTU	108.5 mV	28.63 ft	150.00 ml/min
2/8/2023 2:19 PM	12:00	6.85 pH	17.60 °C	465.26 µS/cm	3.31 mg/L	1.37 NTU	116.1 mV	28.63 ft	150.00 ml/min
2/8/2023 2:23 PM	16:00	6.84 pH	17.64 °C	466.60 µS/cm	3.34 mg/L	2.31 NTU	118.5 mV	28.63 ft	150.00 ml/min
2/8/2023 2:27 PM	20:00	6.83 pH	17.86 °C	467.23 µS/cm	3.30 mg/L	4.59 NTU	120.1 mV	28.63 ft	150.00 ml/min
2/8/2023 2:31 PM	24:00	6.82 pH	17.73 °C	465.96 µS/cm	3.35 mg/L	6.16 NTU	121.2 mV	28.63 ft	130.00 ml/min
2/8/2023 2:35 PM	28:00	6.81 pH	17.89 °C	466.97 µS/cm	3.37 mg/L	5.48 NTU	120.9 mV	28.63 ft	130.00 ml/min
2/8/2023 2:39 PM	32:00	6.80 pH	17.99 °C	465.19 µS/cm	3.39 mg/L	6.26 NTU	121.0 mV	28.63 ft	130.00 ml/min
2/8/2023 2:43 PM	36:00	6.79 pH	17.95 °C	465.13 µS/cm	3.43 mg/L	6.27 NTU	121.5 mV	28.63 ft	100.00 ml/min
2/8/2023 2:47 PM	40:00	6.78 pH	17.89 °C	465.30 µS/cm	3.47 mg/L	6.77 NTU	121.8 mV	28.63 ft	100.00 ml/min
2/8/2023 2:51 PM	44:00	6.78 pH	17.98 °C	465.83 µS/cm	3.49 mg/L	4.92 NTU	121.3 mV	28.63 ft	100.00 ml/min
2/8/2023 2:55 PM	48:00	6.78 pH	17.95 °C	464.83 µS/cm	3.49 mg/L	4.79 NTU	121.4 mV	28.63 ft	100.00 ml/min
2/8/2023 2:59 PM	52:00	6.77 pH	18.23 °C	465.50 µS/cm	3.49 mg/L	4.73 NTU	121.7 mV	28.63 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWA-36A	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 10:26:15 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

<p>Location Name: GWC-16R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 88.12 ft Total Depth: 98.12 ft Initial Depth to Water: 78.79 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 93.12 ft Estimated Total Volume Pumped: 9000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 10.24 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789301</p>
---	--	---

Test Notes:

Prepurged 2 L

Historically, drawdown does not stabilize. DTW fell into screen interval. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 10:26 AM	00:00	7.13 pH	16.24 °C	624.02 µS/cm	4.75 mg/L	0.78 NTU	124.5 mV	81.51 ft	0.34 PSU	150.00 ml/min
2/9/2023 10:30 AM	04:00	7.15 pH	16.26 °C	631.16 µS/cm	4.55 mg/L	0.28 NTU	97.0 mV	81.83 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:34 AM	08:00	7.16 pH	16.28 °C	632.39 µS/cm	4.47 mg/L	0.35 NTU	83.4 mV	82.30 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:38 AM	12:00	7.17 pH	16.29 °C	633.65 µS/cm	4.48 mg/L	0.27 NTU	76.4 mV	82.75 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:42 AM	16:00	7.18 pH	16.29 °C	634.00 µS/cm	4.53 mg/L	0.13 NTU	72.5 mV	83.34 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:46 AM	20:00	7.18 pH	16.31 °C	634.18 µS/cm	4.59 mg/L	0.07 NTU	69.7 mV	83.88 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:50 AM	24:00	7.18 pH	16.37 °C	633.99 µS/cm	4.64 mg/L	0.14 NTU	68.5 mV	84.40 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:54 AM	28:00	7.20 pH	16.42 °C	633.55 µS/cm	4.68 mg/L	0.04 NTU	66.3 mV	84.92 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:58 AM	32:00	7.20 pH	16.43 °C	633.16 µS/cm	4.72 mg/L	0.20 NTU	65.6 mV	85.50 ft	0.35 PSU	150.00 ml/min
2/9/2023 11:02 AM	36:00	7.21 pH	16.47 °C	632.47 µS/cm	4.82 mg/L	0.11 NTU	64.5 mV	86.04 ft	0.35 PSU	150.00 ml/min
2/9/2023 11:06 AM	40:00	7.22 pH	16.52 °C	630.04 µS/cm	5.04 mg/L	0.14 NTU	63.5 mV	86.60 ft	0.34 PSU	150.00 ml/min
2/9/2023 11:10 AM	44:00	7.22 pH	16.59 °C	626.18 µS/cm	5.38 mg/L	0.19 NTU	63.1 mV	87.14 ft	0.34 PSU	150.00 ml/min
2/9/2023 11:14 AM	48:00	7.22 pH	16.56 °C	621.63 µS/cm	5.79 mg/L	0.09 NTU	62.6 mV	87.67 ft	0.34 PSU	150.00 ml/min
2/9/2023 11:18 AM	52:00	7.26 pH	16.56 °C	618.15 µS/cm	6.05 mg/L	0.13 NTU	60.9 mV	88.18 ft	0.34 PSU	150.00 ml/min
2/9/2023 11:22 AM	56:00	7.24 pH	16.52 °C	615.29 µS/cm	6.25 mg/L	0.02 NTU	61.5 mV	88.61 ft	0.34 PSU	150.00 ml/min

2/9/2023 11:26 AM	01:00:00	7.25 pH	16.55 °C	614.59 µS/cm	6.33 mg/L	0.01 NTU	61.0 mV	89.03 ft	0.34 PSU	150.00 ml/min
----------------------	----------	---------	----------	-----------------	-----------	----------	---------	----------	----------	------------------

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 2/9/2023 10:54:23 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Kevin Stephenson

Location Name: GWC-22R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 109.6 ft Total Depth: 119.6 ft Initial Depth to Water: 62.6 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 114.6 ft Estimated Total Volume Pumped: 6720 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
---	---	--

Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 10:54 AM	00:00	6.78 pH	16.59 °C	386.13 µS/cm	0.14 mg/L	1.18 NTU	-58.4 mV	62.60 ft	0.21 PSU	120.00 ml/min
2/9/2023 10:58 AM	04:00	6.85 pH	16.61 °C	385.92 µS/cm	0.13 mg/L	1.60 NTU	-67.1 mV	62.60 ft	0.21 PSU	120.00 ml/min
2/9/2023 11:02 AM	08:00	6.90 pH	16.64 °C	381.73 µS/cm	0.20 mg/L	0.48 NTU	-68.3 mV	62.60 ft	0.21 PSU	120.00 ml/min
2/9/2023 11:06 AM	12:00	6.93 pH	16.68 °C	373.67 µS/cm	0.55 mg/L	1.27 NTU	-63.9 mV	62.60 ft	0.20 PSU	120.00 ml/min
2/9/2023 11:10 AM	16:00	6.96 pH	16.73 °C	366.93 µS/cm	1.10 mg/L	0.58 NTU	-59.2 mV	62.60 ft	0.20 PSU	120.00 ml/min
2/9/2023 11:14 AM	20:00	6.99 pH	16.72 °C	359.97 µS/cm	1.72 mg/L	0.46 NTU	-55.3 mV	62.60 ft	0.19 PSU	120.00 ml/min
2/9/2023 11:18 AM	24:00	7.02 pH	16.73 °C	355.04 µS/cm	2.26 mg/L	0.50 NTU	-48.6 mV	62.60 ft	0.19 PSU	120.00 ml/min
2/9/2023 11:22 AM	28:00	7.02 pH	16.71 °C	350.72 µS/cm	2.67 mg/L	0.43 NTU	-42.9 mV	62.60 ft	0.19 PSU	120.00 ml/min
2/9/2023 11:26 AM	32:00	7.02 pH	16.72 °C	347.54 µS/cm	3.05 mg/L	0.42 NTU	-38.0 mV	62.60 ft	0.19 PSU	120.00 ml/min
2/9/2023 11:30 AM	36:00	7.03 pH	16.73 °C	345.21 µS/cm	3.40 mg/L	0.67 NTU	-34.4 mV	62.60 ft	0.19 PSU	120.00 ml/min
2/9/2023 11:34 AM	40:00	7.04 pH	16.74 °C	342.70 µS/cm	3.64 mg/L	0.49 NTU	-29.8 mV	62.60 ft	0.18 PSU	120.00 ml/min
2/9/2023 11:38 AM	44:00	7.05 pH	16.73 °C	341.48 µS/cm	3.78 mg/L	0.39 NTU	-27.0 mV	62.60 ft	0.18 PSU	120.00 ml/min
2/9/2023 11:42 AM	48:00	7.05 pH	16.77 °C	340.39 µS/cm	3.88 mg/L	0.40 NTU	-24.2 mV	62.60 ft	0.18 PSU	120.00 ml/min
2/9/2023 11:46 AM	52:00	7.05 pH	16.82 °C	339.65 µS/cm	3.96 mg/L	0.43 NTU	-21.7 mV	62.60 ft	0.18 PSU	120.00 ml/min
2/9/2023 11:50 AM	56:00	7.05 pH	16.83 °C	338.46 µS/cm	4.05 mg/L	0.34 NTU	-20.9 mV	62.60 ft	0.18 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-22R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 10:57:56 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-18 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.31 ft Total Depth: 80.31 ft Initial Depth to Water: 72.75 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.31 ft Estimated Total Volume Pumped: 2900 ml Flow Cell Volume: 90 ml Final Flow Rate: 145 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	---	--

Test Notes:

Water below screen, purged 3X well volume

Prepurge 16L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/9/2023 10:57 AM	00:00	6.50 pH	16.36 °C	217.73 µS/cm	7.22 mg/L	3.21 NTU	149.0 mV	72.75 ft	145.00 ml/min
2/9/2023 11:01 AM	04:00	6.56 pH	16.38 °C	222.29 µS/cm	7.19 mg/L	2.76 NTU	130.7 mV	72.75 ft	145.00 ml/min
2/9/2023 11:05 AM	08:00	6.60 pH	16.39 °C	226.55 µS/cm	7.18 mg/L	1.83 NTU	128.3 mV	72.75 ft	145.00 ml/min
2/9/2023 11:09 AM	12:00	6.63 pH	16.43 °C	229.20 µS/cm	7.16 mg/L	1.33 NTU	126.5 mV	72.75 ft	145.00 ml/min
2/9/2023 11:13 AM	16:00	6.66 pH	16.42 °C	231.28 µS/cm	7.15 mg/L	1.03 NTU	126.5 mV	72.75 ft	145.00 ml/min
2/9/2023 11:17 AM	20:00	6.68 pH	16.41 °C	233.14 µS/cm	7.14 mg/L	0.65 NTU	126.7 mV	72.75 ft	145.00 ml/min

Samples

Sample ID:	Description:
GWC-18	Metals, Inorganics, Alkalinity , TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 12:01:14 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-18R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.1 ft Total Depth: 140.1 ft Initial Depth to Water: 72.15 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 135.1 ft Estimated Total Volume Pumped: 9600 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	---	--

Test Notes:

Prepurge 3L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/9/2023 12:01 PM	00:00	7.20 pH	16.49 °C	284.67 µS/cm	6.37 mg/L	3.83 NTU	143.9 mV	72.15 ft	120.00 ml/min
2/9/2023 12:05 PM	04:00	7.32 pH	16.48 °C	284.06 µS/cm	6.64 mg/L	5.36 NTU	125.2 mV	72.15 ft	120.00 ml/min
2/9/2023 12:09 PM	08:00	7.37 pH	16.52 °C	284.15 µS/cm	6.71 mg/L	5.09 NTU	121.7 mV	72.15 ft	120.00 ml/min
2/9/2023 12:13 PM	12:00	7.40 pH	16.51 °C	284.04 µS/cm	6.75 mg/L	6.76 NTU	120.2 mV	72.15 ft	120.00 ml/min
2/9/2023 12:17 PM	16:00	7.42 pH	16.48 °C	283.97 µS/cm	6.78 mg/L	7.12 NTU	119.7 mV	72.15 ft	120.00 ml/min
2/9/2023 12:21 PM	20:00	7.42 pH	16.47 °C	284.09 µS/cm	6.80 mg/L	7.93 NTU	119.4 mV	72.15 ft	120.00 ml/min
2/9/2023 12:25 PM	24:00	7.43 pH	16.48 °C	284.04 µS/cm	6.82 mg/L	7.84 NTU	119.4 mV	72.15 ft	120.00 ml/min
2/9/2023 12:29 PM	28:00	7.44 pH	16.47 °C	284.00 µS/cm	6.83 mg/L	7.73 NTU	118.8 mV	72.15 ft	120.00 ml/min
2/9/2023 12:33 PM	32:00	7.44 pH	16.44 °C	284.11 µS/cm	6.85 mg/L	7.68 NTU	119.0 mV	72.15 ft	120.00 ml/min
2/9/2023 12:37 PM	36:00	7.45 pH	16.42 °C	283.90 µS/cm	6.86 mg/L	7.32 NTU	118.9 mV	72.15 ft	120.00 ml/min
2/9/2023 12:41 PM	40:00	7.45 pH	16.48 °C	283.98 µS/cm	6.88 mg/L	7.66 NTU	118.9 mV	72.15 ft	120.00 ml/min
2/9/2023 12:45 PM	44:00	7.45 pH	16.43 °C	284.01 µS/cm	6.89 mg/L	6.88 NTU	118.6 mV	72.15 ft	120.00 ml/min
2/9/2023 12:49 PM	48:00	7.45 pH	16.48 °C	283.97 µS/cm	6.89 mg/L	6.55 NTU	118.4 mV	72.15 ft	120.00 ml/min
2/9/2023 12:53 PM	52:00	7.44 pH	16.52 °C	283.95 µS/cm	6.89 mg/L	6.43 NTU	118.6 mV	72.15 ft	120.00 ml/min
2/9/2023 12:57 PM	56:00	7.45 pH	16.49 °C	284.01 µS/cm	6.91 mg/L	6.07 NTU	118.5 mV	72.15 ft	120.00 ml/min

2/9/2023 1:01 PM	01:00:00	7.45 pH	16.48 °C	283.92 µS/cm	6.91 mg/L	5.87 NTU	118.4 mV	72.15 ft	120.00 ml/min
2/9/2023 1:05 PM	01:04:00	7.46 pH	16.43 °C	283.73 µS/cm	6.92 mg/L	5.79 NTU	118.4 mV	72.15 ft	120.00 ml/min
2/9/2023 1:09 PM	01:08:00	7.46 pH	16.46 °C	283.76 µS/cm	6.91 mg/L	5.03 NTU	118.4 mV	72.15 ft	120.00 ml/min
2/9/2023 1:13 PM	01:12:00	7.46 pH	16.47 °C	283.77 µS/cm	6.93 mg/L	4.65 NTU	118.1 mV	72.15 ft	120.00 ml/min
2/9/2023 1:17 PM	01:16:00	7.46 pH	16.44 °C	283.74 µS/cm	6.94 mg/L	4.17 NTU	118.2 mV	72.15 ft	120.00 ml/min
2/9/2023 1:21 PM	01:20:00	7.46 pH	16.43 °C	283.53 µS/cm	6.95 mg/L	3.99 NTU	118.3 mV	72.15 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWC-18R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 12:04:56 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-17R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.93 ft Total Depth: 92.93 ft Initial Depth to Water: 82.42 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.93 ft Estimated Total Volume Pumped: 2000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.53 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 0.5 L

Historically, drawdown does not stabilize above screen. DTW fell into screen interval and below top of pump. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 12:04 PM	00:00	7.28 pH	16.80 °C	578.91 µS/cm	7.39 mg/L	0.74 NTU	62.7 mV	83.05 ft	0.32 PSU	100.00 ml/min
2/9/2023 12:08 PM	04:00	7.17 pH	17.02 °C	582.51 µS/cm	7.40 mg/L	0.12 NTU	57.9 mV	83.22 ft	0.32 PSU	100.00 ml/min
2/9/2023 12:12 PM	08:00	7.14 pH	16.98 °C	583.37 µS/cm	7.49 mg/L	0.08 NTU	57.3 mV	83.49 ft	0.32 PSU	100.00 ml/min
2/9/2023 12:16 PM	12:00	7.14 pH	16.92 °C	584.02 µS/cm	7.51 mg/L	0.19 NTU	56.9 mV	83.69 ft	0.32 PSU	100.00 ml/min
2/9/2023 12:20 PM	16:00	7.14 pH	16.92 °C	584.52 µS/cm	7.52 mg/L	0.19 NTU	56.2 mV	83.95 ft	0.32 PSU	100.00 ml/min
2/9/2023 12:24 PM	20:00	7.14 pH	16.87 °C	585.67 µS/cm	7.53 mg/L	0.29 NTU	56.1 mV		0.32 PSU	100.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 2/9/2023 1:04:22 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-23R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.57 ft Total Depth: 49.57 ft Initial Depth to Water: 37.86 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.57 ft Estimated Total Volume Pumped: 2640 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 2.19 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 0.5 L

Historically, drawdown does not stabilize above screen. DTW fell into screen interval and below top of pump. Complete evac performed. Water had strong odor and organics.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 1:04 PM	00:00	6.93 pH	16.63 °C	898.07 µS/cm	1.62 mg/L	0.18 NTU	-16.1 mV	38.88 ft	0.50 PSU	110.00 ml/min
2/9/2023 1:08 PM	04:00	6.96 pH	16.78 °C	879.75 µS/cm	0.54 mg/L	0.34 NTU	-26.0 mV	39.28 ft	0.49 PSU	110.00 ml/min
2/9/2023 1:12 PM	08:00	6.99 pH	16.78 °C	871.29 µS/cm	0.32 mg/L	0.65 NTU	-33.4 mV	39.86 ft	0.48 PSU	110.00 ml/min
2/9/2023 1:16 PM	12:00	6.99 pH	16.80 °C	868.36 µS/cm	0.22 mg/L	0.99 NTU	-39.5 mV	39.94 ft	0.48 PSU	110.00 ml/min
2/9/2023 1:20 PM	16:00	6.96 pH	16.83 °C	871.06 µS/cm	0.16 mg/L	2.10 NTU	-46.2 mV	40.01 ft	0.48 PSU	110.00 ml/min
2/9/2023 1:24 PM	20:00	6.95 pH	16.80 °C	873.08 µS/cm	0.13 mg/L	4.30 NTU	-49.0 mV	40.05 ft	0.48 PSU	110.00 ml/min
2/9/2023 1:28 PM	24:00	6.99 pH	16.78 °C	889.62 µS/cm	0.14 mg/L	2.69 NTU	-46.9 mV		0.49 PSU	110.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 2/9/2023 1:18:32 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Kevin Stephenson

Location Name: GWC-24R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 30.11 ft Total Depth: 40.11 ft Initial Depth to Water: 23.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 35.11 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.97 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
--	--	--

Test Notes:

Pre-purged 2.5 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 1:18 PM	00:00	7.37 pH	16.73 °C	293.89 µS/cm	2.70 mg/L	0.29 NTU	26.3 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:22 PM	04:00	7.37 pH	16.57 °C	293.42 µS/cm	3.27 mg/L	0.81 NTU	6.8 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:26 PM	08:00	7.39 pH	16.55 °C	293.06 µS/cm	3.54 mg/L	0.26 NTU	1.7 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:30 PM	12:00	7.40 pH	16.54 °C	292.73 µS/cm	3.71 mg/L	0.43 NTU	-1.9 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:34 PM	16:00	7.42 pH	16.55 °C	292.34 µS/cm	3.86 mg/L	0.21 NTU	-2.5 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:38 PM	20:00	7.43 pH	16.55 °C	292.00 µS/cm	3.95 mg/L	0.29 NTU	-4.9 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:42 PM	24:00	7.44 pH	16.55 °C	292.14 µS/cm	3.95 mg/L	0.07 NTU	-6.1 mV	24.48 ft	0.16 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-24R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 2:08:30 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-19R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 136.6 ft Total Depth: 146.6 ft Initial Depth to Water: 75.95 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 141.6 ft Estimated Total Volume Pumped: 2000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	---	--

Test Notes:

Prepurge 1L

pH out of range

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/9/2023 2:08 PM	00:00	7.43 pH	17.30 °C	301.29 µS/cm	7.32 mg/L	1.37 NTU	133.6 mV	75.95 ft	100.00 ml/min
2/9/2023 2:12 PM	04:00	7.38 pH	17.24 °C	301.63 µS/cm	6.58 mg/L	2.19 NTU	121.1 mV	75.95 ft	100.00 ml/min
2/9/2023 2:16 PM	08:00	7.38 pH	17.22 °C	301.90 µS/cm	6.64 mg/L	0.41 NTU	119.4 mV	75.95 ft	100.00 ml/min
2/9/2023 2:20 PM	12:00	7.38 pH	17.22 °C	301.99 µS/cm	6.63 mg/L	0.09 NTU	118.5 mV	75.95 ft	100.00 ml/min
2/9/2023 2:24 PM	16:00	7.38 pH	17.21 °C	302.07 µS/cm	6.65 mg/L	0.04 NTU	118.4 mV	75.95 ft	100.00 ml/min
2/9/2023 2:28 PM	20:00	7.38 pH	17.20 °C	302.27 µS/cm	6.67 mg/L	0.02 NTU	118.3 mV	75.95 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWC-19R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 2:08:31 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-21R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 80.59 ft Total Depth: 90.59 ft Initial Depth to Water: 70.55 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 85.59 ft Estimated Total Volume Pumped: 4620 ml Flow Cell Volume: 90 ml Final Flow Rate: 105 ml/min Final Draw Down: 5.25 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 2:08 PM	00:00	7.10 pH	17.09 °C	603.96 µS/cm	0.74 mg/L	1.25 NTU	20.6 mV	73.74 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:12 PM	04:00	7.10 pH	17.11 °C	602.34 µS/cm	0.50 mg/L	0.77 NTU	29.2 mV	73.96 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:16 PM	08:00	7.11 pH	17.11 °C	599.67 µS/cm	0.40 mg/L	0.19 NTU	31.6 mV	74.23 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:20 PM	12:00	7.11 pH	17.13 °C	599.51 µS/cm	0.41 mg/L	0.11 NTU	32.5 mV	74.50 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:24 PM	16:00	7.11 pH	17.14 °C	598.65 µS/cm	0.46 mg/L	0.10 NTU	34.1 mV	74.71 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:28 PM	20:00	7.11 pH	17.10 °C	598.42 µS/cm	0.53 mg/L	0.12 NTU	34.9 mV	74.92 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:32 PM	24:00	7.11 pH	17.09 °C	598.55 µS/cm	0.59 mg/L	0.13 NTU	35.9 mV	75.11 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:36 PM	28:00	7.12 pH	17.09 °C	600.58 µS/cm	0.65 mg/L	0.20 NTU	36.5 mV	75.27 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:40 PM	32:00	7.12 pH	17.09 °C	601.54 µS/cm	0.68 mg/L	0.15 NTU	36.6 mV	75.42 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:44 PM	36:00	7.12 pH	17.10 °C	602.76 µS/cm	0.72 mg/L	0.04 NTU	36.9 mV	75.56 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:48 PM	40:00	7.12 pH	17.10 °C	605.15 µS/cm	0.76 mg/L	0.23 NTU	37.0 mV	75.69 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:52 PM	44:00	7.13 pH	17.01 °C	605.72 µS/cm	0.81 mg/L	0.12 NTU	37.4 mV	75.80 ft	0.33 PSU	105.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

GWC-21R

Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/9/2023 2:36:20 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Kevin Stephenson

Location Name: GWC-25R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 89.97 ft Total Depth: 99.97 ft Initial Depth to Water: 22.5 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 94.97 ft Estimated Total Volume Pumped: 1920 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
---	---	--

Test Notes:

Pre-purged 2 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 2:36 PM	00:00	7.46 pH	16.41 °C	320.53 µS/cm	6.34 mg/L	0.33 NTU	79.4 mV	22.50 ft	0.17 PSU	120.00 ml/min
2/9/2023 2:40 PM	04:00	7.47 pH	16.37 °C	319.95 µS/cm	6.54 mg/L	0.43 NTU	71.7 mV	22.50 ft	0.17 PSU	120.00 ml/min
2/9/2023 2:44 PM	08:00	7.50 pH	16.37 °C	320.15 µS/cm	6.65 mg/L	0.12 NTU	71.6 mV	22.50 ft	0.17 PSU	120.00 ml/min
2/9/2023 2:48 PM	12:00	7.50 pH	16.34 °C	320.03 µS/cm	6.68 mg/L	0.09 NTU	72.5 mV	22.50 ft	0.17 PSU	120.00 ml/min
2/9/2023 2:52 PM	16:00	7.51 pH	16.32 °C	320.26 µS/cm	6.70 mg/L	0.10 NTU	73.1 mV	22.50 ft	0.17 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-25R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/10/2023 9:50:57 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-16R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 88.12 ft Total Depth: 98.12 ft Initial Depth to Water: 85.44 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 93.12 ft Estimated Total Volume Pumped: 160 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.59 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	---	--

Test Notes:

Complete evac on 2/9/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/10/2023 9:50 AM	00:00	7.01 pH	13.27 °C	631.88 µS/cm	7.65 mg/L	0.28 NTU	155.6 mV	85.90 ft	0.35 PSU	120.00 ml/min
2/10/2023 9:51 AM	00:20	7.01 pH	13.45 °C	634.77 µS/cm	7.60 mg/L		140.4 mV	85.90 ft	0.35 PSU	120.00 ml/min
2/10/2023 9:51 AM	00:40	7.02 pH	13.61 °C	638.66 µS/cm	7.60 mg/L		127.3 mV	85.90 ft	0.35 PSU	120.00 ml/min
2/10/2023 9:51 AM	01:00	7.03 pH	13.78 °C	634.85 µS/cm	7.55 mg/L		113.9 mV	85.90 ft	0.35 PSU	120.00 ml/min
2/10/2023 9:52 AM	01:20	7.02 pH	13.90 °C	634.51 µS/cm	7.46 mg/L	0.12 NTU	103.4 mV	86.03 ft	0.35 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-16R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/10/2023 9:57:10 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-20R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 77.47 ft Total Depth: 87.47 ft Initial Depth to Water: 70.25 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 82.47 ft Estimated Total Volume Pumped: 2600 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	--	--

Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/10/2023 9:57 AM	00:00	7.16 pH	15.42 °C	334.80 µS/cm	7.81 mg/L	0.20 NTU	163.0 mV	70.25 ft	130.00 ml/min
2/10/2023 10:01 AM	04:00	7.25 pH	15.68 °C	314.52 µS/cm	7.37 mg/L	0.16 NTU	132.7 mV	70.25 ft	130.00 ml/min
2/10/2023 10:05 AM	08:00	7.30 pH	15.87 °C	307.97 µS/cm	7.29 mg/L	0.14 NTU	126.4 mV	70.26 ft	130.00 ml/min
2/10/2023 10:09 AM	12:00	7.32 pH	15.94 °C	305.46 µS/cm	7.28 mg/L	0.29 NTU	125.5 mV	70.27 ft	130.00 ml/min
2/10/2023 10:13 AM	16:00	7.33 pH	16.02 °C	308.09 µS/cm	7.22 mg/L	0.14 NTU	122.6 mV	70.27 ft	130.00 ml/min
2/10/2023 10:17 AM	20:00	7.34 pH	16.07 °C	313.45 µS/cm	7.13 mg/L	0.21 NTU	122.3 mV	70.27 ft	130.00 ml/min

Samples

Sample ID:	Description:
GWC-20R	Metals, Inorganics, Alkalinity, TDS
DUP-7	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/10/2023 10:34:40 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-17R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.93 ft Total Depth: 92.93 ft Initial Depth to Water: 83.26 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.93 ft Estimated Total Volume Pumped: 146.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Complete evac on 2/9/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/10/2023 10:34 AM	00:00	7.17 pH	15.21 °C	593.05 µS/cm	7.93 mg/L	0.24 NTU	88.1 mV	83.26 ft	0.32 PSU	110.00 ml/min
2/10/2023 10:35 AM	00:20	7.15 pH	15.22 °C	590.07 µS/cm	7.92 mg/L		76.6 mV	83.26 ft	0.32 PSU	110.00 ml/min
2/10/2023 10:35 AM	00:40	7.14 pH	15.23 °C	591.35 µS/cm	7.91 mg/L		70.4 mV	83.26 ft	0.32 PSU	110.00 ml/min
2/10/2023 10:35 AM	01:00	7.13 pH	15.25 °C	591.25 µS/cm	7.91 mg/L		66.5 mV	83.26 ft	0.32 PSU	110.00 ml/min
2/10/2023 10:36 AM	01:20	7.12 pH	15.26 °C	592.15 µS/cm	7.92 mg/L	0.24 NTU	64.8 mV	83.26 ft	0.32 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-17R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/10/2023 11:16:15 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-23R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.57 ft Total Depth: 49.57 ft Initial Depth to Water: 38.13 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.57 ft Estimated Total Volume Pumped: 146.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Complete evac on 2/9/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/10/2023 11:16 AM	00:00	7.03 pH	14.04 °C	914.09 µS/cm	0.79 mg/L	2.88 NTU	10.4 mV	38.13 ft	0.51 PSU	110.00 ml/min
2/10/2023 11:16 AM	00:20	7.02 pH	14.08 °C	916.72 µS/cm	0.80 mg/L		18.9 mV	38.13 ft	0.51 PSU	110.00 ml/min
2/10/2023 11:16 AM	00:40	7.01 pH	14.16 °C	916.46 µS/cm	0.81 mg/L		20.7 mV	38.13 ft	0.51 PSU	110.00 ml/min
2/10/2023 11:17 AM	01:00	7.01 pH	14.22 °C	915.06 µS/cm	0.81 mg/L		22.8 mV	38.13 ft	0.51 PSU	110.00 ml/min
2/10/2023 11:17 AM	01:20	7.01 pH	14.26 °C	915.13 µS/cm	0.81 mg/L	2.88 NTU	22.3 mV	38.13 ft	0.51 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-23R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/10/2023 11:58:43 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: SPRING	Tubing Type: LDPE Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 789301
------------------------------	--	--

Test Notes:
Spring Surface

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %
2/10/2023 11:58 AM	00:00	7.61 pH	14.03 °C	283.70 µS/cm	9.76 mg/L	4.45 NTU	85.2 mV		0.15 PSU
2/10/2023 11:59 AM	00:20	7.56 pH	14.22 °C	267.86 µS/cm	8.18 mg/L		75.8 mV		0.14 PSU
2/10/2023 11:59 AM	00:40	7.50 pH	14.36 °C	265.81 µS/cm	6.90 mg/L		68.7 mV		0.14 PSU
2/10/2023 11:59 AM	01:00	7.46 pH	14.49 °C	264.76 µS/cm	6.37 mg/L		63.6 mV		0.14 PSU
2/10/2023 12:00 PM	01:20	7.42 pH	14.58 °C	264.15 µS/cm	6.07 mg/L	4.45 NTU	60.7 mV		0.14 PSU

Samples

Sample ID:	Description:
SPRING	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 10:01:49 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-42 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 73.36 ft Total Depth: 84.36 ft Initial Depth to Water: 73.41 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 78.36 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/13/2023 10:01 AM	00:00	6.65 pH	15.04 °C	303.09 µS/cm	6.05 mg/L	8.27 NTU	165.3 mV	73.41 ft	120.00 ml/min
2/13/2023 10:05 AM	04:00	6.73 pH	15.45 °C	302.32 µS/cm	5.20 mg/L	11.41 NTU	134.4 mV	73.42 ft	120.00 ml/min
2/13/2023 10:09 AM	08:00	6.77 pH	15.61 °C	296.57 µS/cm	5.13 mg/L	10.63 NTU	125.8 mV	73.42 ft	120.00 ml/min
2/13/2023 10:13 AM	12:00	6.80 pH	15.78 °C	289.81 µS/cm	5.04 mg/L	8.67 NTU	118.8 mV	73.42 ft	120.00 ml/min
2/13/2023 10:17 AM	16:00	6.80 pH	15.85 °C	287.93 µS/cm	4.96 mg/L	6.07 NTU	116.9 mV	73.42 ft	120.00 ml/min
2/13/2023 10:21 AM	20:00	6.81 pH	15.80 °C	289.95 µS/cm	4.94 mg/L	5.55 NTU	115.6 mV	73.42 ft	120.00 ml/min
2/13/2023 10:25 AM	24:00	6.82 pH	15.90 °C	288.25 µS/cm	4.91 mg/L	4.37 NTU	115.5 mV	73.42 ft	120.00 ml/min
2/13/2023 10:29 AM	28:00	6.82 pH	15.95 °C	289.88 µS/cm	4.92 mg/L	3.81 NTU	115.0 mV	73.42 ft	120.00 ml/min
2/13/2023 10:33 AM	32:00	6.83 pH	16.01 °C	289.22 µS/cm	4.94 mg/L	2.84 NTU	114.8 mV	73.42 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWA-42	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 10:56:34 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWA-39Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 107.54 ft Total Depth: 117.54 ft Initial Depth to Water: 63.53 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 112.54 ft Estimated Total Volume Pumped: 15660 ml Flow Cell Volume: 90 ml Final Flow Rate: 135 ml/min Final Draw Down: 0.29 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/13/2023 10:56 AM	00:00	6.04 pH	14.16 °C	43.43 µS/cm	7.56 mg/L	3.05 NTU	121.7 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:00 AM	04:00	5.84 pH	14.22 °C	41.15 µS/cm	7.72 mg/L	2.81 NTU	97.8 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:04 AM	08:00	5.72 pH	14.23 °C	41.00 µS/cm	7.87 mg/L	2.19 NTU	86.5 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:08 AM	12:00	5.67 pH	14.28 °C	41.99 µS/cm	7.97 mg/L	1.63 NTU	80.1 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:12 AM	16:00	5.65 pH	14.34 °C	44.25 µS/cm	8.08 mg/L	1.35 NTU	73.9 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:16 AM	20:00	5.67 pH	14.34 °C	46.74 µS/cm	8.14 mg/L	1.05 NTU	73.5 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:20 AM	24:00	5.70 pH	14.41 °C	49.81 µS/cm	8.20 mg/L	0.91 NTU	69.1 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:24 AM	28:00	5.74 pH	14.43 °C	52.91 µS/cm	8.26 mg/L	0.86 NTU	67.5 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:28 AM	32:00	5.77 pH	14.48 °C	56.23 µS/cm	8.28 mg/L	0.78 NTU	66.2 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:32 AM	36:00	5.81 pH	14.43 °C	59.66 µS/cm	8.32 mg/L	0.77 NTU	64.6 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:36 AM	40:00	5.86 pH	14.52 °C	63.11 µS/cm	8.35 mg/L	0.71 NTU	64.4 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:40 AM	44:00	5.90 pH	14.54 °C	66.79 µS/cm	8.36 mg/L	0.68 NTU	62.6 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:44 AM	48:00	5.93 pH	14.49 °C	70.46 µS/cm	8.37 mg/L	0.73 NTU	62.1 mV	63.82 ft	0.04 PSU	135.00 ml/min
2/13/2023 11:48 AM	52:00	5.98 pH	14.50 °C	73.94 µS/cm	8.39 mg/L	0.58 NTU	61.0 mV	63.82 ft	0.04 PSU	135.00 ml/min
2/13/2023 11:52 AM	56:00	6.00 pH	14.54 °C	77.86 µS/cm	8.39 mg/L	0.57 NTU	60.5 mV	63.82 ft	0.04 PSU	135.00 ml/min

2/13/2023 11:56 AM	01:00:00	6.04 pH	14.57 °C	81.53 µS/cm	8.39 mg/L	0.61 NTU	60.0 mV	63.82 ft	0.04 PSU	135.00 ml/min
2/13/2023 12:00 PM	01:04:00	6.05 pH	14.62 °C	85.17 µS/cm	8.40 mg/L	0.56 NTU	59.9 mV	63.82 ft	0.04 PSU	135.00 ml/min
2/13/2023 12:04 PM	01:08:00	6.10 pH	14.69 °C	89.00 µS/cm	8.39 mg/L	0.57 NTU	58.9 mV	63.82 ft	0.05 PSU	135.00 ml/min
2/13/2023 12:08 PM	01:12:00	6.13 pH	14.67 °C	92.82 µS/cm	8.36 mg/L	0.53 NTU	58.5 mV	63.82 ft	0.05 PSU	135.00 ml/min
2/13/2023 12:12 PM	01:16:00	6.14 pH	14.72 °C	96.43 µS/cm	8.37 mg/L	0.56 NTU	58.1 mV	63.82 ft	0.05 PSU	135.00 ml/min
2/13/2023 12:16 PM	01:20:00	6.16 pH	14.78 °C	100.05 µS/cm	8.34 mg/L	0.52 NTU	57.7 mV	63.82 ft	0.05 PSU	135.00 ml/min
2/13/2023 12:20 PM	01:24:00	6.19 pH	14.94 °C	103.38 µS/cm	8.32 mg/L	0.45 NTU	57.6 mV	63.82 ft	0.05 PSU	135.00 ml/min
2/13/2023 12:24 PM	01:28:00	6.20 pH	15.14 °C	106.70 µS/cm	8.29 mg/L	0.51 NTU	57.3 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:28 PM	01:32:00	6.23 pH	15.03 °C	110.06 µS/cm	8.29 mg/L	0.49 NTU	56.4 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:32 PM	01:36:00	6.26 pH	15.03 °C	113.20 µS/cm	8.28 mg/L	0.55 NTU	56.3 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:36 PM	01:40:00	6.28 pH	15.00 °C	116.74 µS/cm	8.26 mg/L	0.47 NTU	55.9 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:40 PM	01:44:00	6.29 pH	15.08 °C	119.33 µS/cm	8.26 mg/L	0.50 NTU	56.0 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:44 PM	01:48:00	6.32 pH	15.12 °C	122.35 µS/cm	8.24 mg/L	0.52 NTU	55.7 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:48 PM	01:52:00	6.34 pH	15.07 °C	125.24 µS/cm	8.23 mg/L	0.50 NTU	55.6 mV	63.82 ft	0.07 PSU	135.00 ml/min
2/13/2023 12:52 PM	01:56:00	6.35 pH	15.03 °C	128.19 µS/cm	8.21 mg/L	0.44 NTU	55.4 mV	63.82 ft	0.07 PSU	135.00 ml/min

Samples

Sample ID:	Description:
GWA-39Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 11:46:58 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-41R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 121.05 ft Total Depth: 131.05 ft Initial Depth to Water: 76.3 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 126.05 ft Estimated Total Volume Pumped: 3240 ml Flow Cell Volume: 90 ml Final Flow Rate: 135 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:
Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/13/2023 11:46 AM	00:00	6.90 pH	16.39 °C	346.13 µS/cm	5.94 mg/L	2.29 NTU	57.5 mV	76.30 ft	135.00 ml/min
2/13/2023 11:50 AM	04:00	6.64 pH	16.57 °C	313.65 µS/cm	1.73 mg/L	1.93 NTU	36.8 mV	76.30 ft	135.00 ml/min
2/13/2023 11:54 AM	08:00	6.51 pH	16.63 °C	292.06 µS/cm	0.62 mg/L	1.92 NTU	25.5 mV	76.30 ft	135.00 ml/min
2/13/2023 11:58 AM	12:00	6.48 pH	16.71 °C	285.90 µS/cm	0.36 mg/L	2.25 NTU	20.9 mV	76.30 ft	135.00 ml/min
2/13/2023 12:02 PM	16:00	6.46 pH	16.81 °C	284.32 µS/cm	0.29 mg/L	1.14 NTU	20.1 mV	76.30 ft	135.00 ml/min
2/13/2023 12:06 PM	20:00	6.45 pH	16.97 °C	283.48 µS/cm	0.26 mg/L	1.01 NTU	17.9 mV	76.30 ft	135.00 ml/min
2/13/2023 12:10 PM	24:00	6.45 pH	16.97 °C	282.69 µS/cm	0.23 mg/L	1.00 NTU	20.0 mV	76.30 ft	135.00 ml/min

Samples

Sample ID:	Description:
GWA-41R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 1:29:24 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-41 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 92.5 ft Total Depth: 102.5 ft Initial Depth to Water: 75.42 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 97.5 ft Estimated Total Volume Pumped: 9200 ml Flow Cell Volume: 90 ml Final Flow Rate: 115 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	--	--

Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/13/2023 1:29 PM	00:00	6.12 pH	17.73 °C	99.23 µS/cm	6.36 mg/L	0.53 NTU	87.7 mV	75.42 ft	115.00 ml/min
2/13/2023 1:33 PM	04:00	5.79 pH	17.60 °C	81.39 µS/cm	6.67 mg/L	0.47 NTU	103.7 mV	75.42 ft	115.00 ml/min
2/13/2023 1:37 PM	08:00	5.65 pH	17.51 °C	77.76 µS/cm	6.79 mg/L	0.66 NTU	108.8 mV	75.42 ft	115.00 ml/min
2/13/2023 1:41 PM	12:00	5.57 pH	17.46 °C	76.97 µS/cm	6.74 mg/L	0.93 NTU	111.7 mV	75.42 ft	115.00 ml/min
2/13/2023 1:45 PM	16:00	5.55 pH	17.48 °C	79.54 µS/cm	6.71 mg/L	0.79 NTU	112.4 mV	75.42 ft	115.00 ml/min
2/13/2023 1:49 PM	20:00	5.58 pH	17.42 °C	88.08 µS/cm	6.59 mg/L	0.84 NTU	111.8 mV	75.42 ft	115.00 ml/min
2/13/2023 1:53 PM	24:00	5.63 pH	17.39 °C	100.26 µS/cm	6.48 mg/L	0.71 NTU	109.5 mV	75.42 ft	115.00 ml/min
2/13/2023 1:57 PM	28:00	5.71 pH	17.38 °C	113.95 µS/cm	6.39 mg/L	0.53 NTU	106.3 mV	75.42 ft	115.00 ml/min
2/13/2023 2:01 PM	32:00	5.78 pH	17.42 °C	127.82 µS/cm	6.30 mg/L	0.51 NTU	104.8 mV	75.42 ft	115.00 ml/min
2/13/2023 2:05 PM	36:00	5.84 pH	17.45 °C	143.42 µS/cm	6.22 mg/L	0.47 NTU	103.8 mV	75.42 ft	115.00 ml/min
2/13/2023 2:09 PM	40:00	5.90 pH	17.42 °C	158.23 µS/cm	6.21 mg/L	0.60 NTU	104.2 mV	75.42 ft	115.00 ml/min
2/13/2023 2:13 PM	44:00	5.97 pH	17.45 °C	175.12 µS/cm	6.17 mg/L	0.55 NTU	104.5 mV	75.42 ft	115.00 ml/min
2/13/2023 2:17 PM	48:00	6.02 pH	17.37 °C	187.03 µS/cm	6.17 mg/L	0.50 NTU	105.9 mV	75.42 ft	115.00 ml/min
2/13/2023 2:21 PM	52:00	6.06 pH	17.40 °C	198.70 µS/cm	6.14 mg/L	0.41 NTU	107.2 mV	75.42 ft	115.00 ml/min
2/13/2023 2:25 PM	56:00	6.10 pH	17.37 °C	209.59 µS/cm	6.08 mg/L	0.55 NTU	108.2 mV	75.42 ft	115.00 ml/min

2/13/2023 2:29 PM	01:00:00	6.13 pH	17.42 °C	218.84 µS/cm	6.08 mg/L	0.36 NTU	109.6 mV	75.42 ft	115.00 ml/min
2/13/2023 2:33 PM	01:04:00	6.17 pH	17.41 °C	228.14 µS/cm	6.08 mg/L	0.36 NTU	110.4 mV	75.42 ft	115.00 ml/min
2/13/2023 2:37 PM	01:08:00	6.19 pH	17.36 °C	232.16 µS/cm	6.04 mg/L	0.36 NTU	111.5 mV	75.42 ft	115.00 ml/min
2/13/2023 2:41 PM	01:12:00	6.21 pH	17.40 °C	237.91 µS/cm	6.05 mg/L	0.37 NTU	112.1 mV	75.42 ft	115.00 ml/min
2/13/2023 2:45 PM	01:16:00	6.23 pH	17.35 °C	241.69 µS/cm	6.06 mg/L	0.32 NTU	112.6 mV	75.42 ft	115.00 ml/min
2/13/2023 2:49 PM	01:20:00	6.25 pH	17.38 °C	246.43 µS/cm	6.03 mg/L	0.26 NTU	113.6 mV	75.42 ft	115.00 ml/min

Samples

Sample ID:	Description:
GWA-41	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 1:57:15 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWA-40 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 145.02 ft Total Depth: 155.02 ft Initial Depth to Water: 66.36 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 150.02 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
---	---	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/13/2023 1:57 PM	00:00	6.81 pH	17.45 °C	167.04 µS/cm	6.88 mg/L	0.28 NTU	52.6 mV	66.41 ft	0.09 PSU	150.00 ml/min
2/13/2023 2:01 PM	04:00	6.83 pH	17.45 °C	166.86 µS/cm	8.53 mg/L	0.82 NTU	51.3 mV	66.41 ft	0.09 PSU	150.00 ml/min
2/13/2023 2:05 PM	08:00	6.85 pH	17.45 °C	168.39 µS/cm	8.81 mg/L	0.06 NTU	52.0 mV	66.41 ft	0.09 PSU	150.00 ml/min
2/13/2023 2:09 PM	12:00	6.89 pH	17.47 °C	169.29 µS/cm	8.97 mg/L	0.29 NTU	51.3 mV	66.41 ft	0.09 PSU	150.00 ml/min
2/13/2023 2:13 PM	16:00	6.91 pH	17.50 °C	170.86 µS/cm	9.05 mg/L	0.89 NTU	51.1 mV	66.41 ft	0.09 PSU	150.00 ml/min
2/13/2023 2:17 PM	20:00	6.94 pH	17.51 °C	173.49 µS/cm	9.12 mg/L	0.28 NTU	50.9 mV	66.41 ft	0.09 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-40	Metals, Inorganics, Alkalinity, TDS
DUP-8	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 3:19:45 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWA-43R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 104.58 ft Total Depth: 114.58 ft Initial Depth to Water: 49.11 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 109.58 ft Estimated Total Volume Pumped: 6240 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/13/2023 3:19 PM	00:00	7.59 pH	16.89 °C	273.59 µS/cm	7.40 mg/L	0.44 NTU	43.0 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:23 PM	04:00	7.67 pH	16.65 °C	275.41 µS/cm	7.46 mg/L	0.51 NTU	46.0 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:27 PM	08:00	7.72 pH	16.58 °C	275.14 µS/cm	7.54 mg/L	0.82 NTU	46.6 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:31 PM	12:00	7.75 pH	16.51 °C	274.52 µS/cm	7.57 mg/L	1.29 NTU	47.2 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:35 PM	16:00	7.78 pH	16.49 °C	274.29 µS/cm	7.64 mg/L	2.14 NTU	46.9 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:39 PM	20:00	7.79 pH	16.47 °C	274.12 µS/cm	7.69 mg/L	3.11 NTU	47.4 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:43 PM	24:00	7.80 pH	16.41 °C	273.92 µS/cm	7.71 mg/L	3.77 NTU	47.6 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:47 PM	28:00	7.81 pH	16.33 °C	273.49 µS/cm	7.75 mg/L	4.07 NTU	47.6 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:51 PM	32:00	7.81 pH	16.28 °C	273.17 µS/cm	7.78 mg/L	4.31 NTU	47.6 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:55 PM	36:00	7.81 pH	16.23 °C	273.45 µS/cm	7.83 mg/L	4.74 NTU	47.7 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:59 PM	40:00	7.82 pH	16.20 °C	273.17 µS/cm	7.85 mg/L	4.65 NTU	47.8 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 4:03 PM	44:00	7.82 pH	16.16 °C	272.89 µS/cm	7.85 mg/L	4.68 NTU	47.6 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 4:07 PM	48:00	7.82 pH	16.11 °C	272.83 µS/cm	7.87 mg/L	4.63 NTU	47.7 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 4:11 PM	52:00	7.82 pH	16.11 °C	272.74 µS/cm	7.87 mg/L	4.62 NTU	47.7 mV	49.21 ft	0.15 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWA-43R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 9:56:22 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWA-43 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.53 ft Total Depth: 92.53 ft Initial Depth to Water: 48.98 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.53 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.26 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
---	---	--

Test Notes:

Prepurged 1 L

Pumped additional time for pH to come into range with no effect.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/14/2023 9:56 AM	00:00	6.07 pH	14.94 °C	32.49 µS/cm	7.07 mg/L	1.27 NTU	138.0 mV	49.24 ft	0.02 PSU	200.00 ml/min
2/14/2023 10:00 AM	04:00	5.53 pH	15.25 °C	28.64 µS/cm	7.20 mg/L	3.64 NTU	106.4 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:04 AM	08:00	5.24 pH	15.32 °C	26.28 µS/cm	7.43 mg/L	5.72 NTU	87.4 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:08 AM	12:00	5.13 pH	15.38 °C	24.63 µS/cm	7.53 mg/L	4.87 NTU	78.2 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:12 AM	16:00	5.11 pH	15.44 °C	24.13 µS/cm	7.58 mg/L	3.77 NTU	71.7 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:16 AM	20:00	5.11 pH	15.54 °C	23.63 µS/cm	7.60 mg/L	3.15 NTU	69.0 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:20 AM	24:00	5.10 pH	15.53 °C	23.41 µS/cm	7.62 mg/L	2.31 NTU	67.0 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:24 AM	28:00	5.10 pH	15.75 °C	23.48 µS/cm	7.62 mg/L	1.81 NTU	65.6 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:28 AM	32:00	5.09 pH	15.89 °C	23.57 µS/cm	7.62 mg/L	1.43 NTU	65.1 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:32 AM	36:00	5.12 pH	15.66 °C	23.77 µS/cm	7.61 mg/L	1.07 NTU	63.7 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:36 AM	40:00	5.12 pH	15.71 °C	23.98 µS/cm	7.64 mg/L	0.87 NTU	63.0 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:40 AM	44:00	5.19 pH	15.75 °C	24.71 µS/cm	7.64 mg/L	0.93 NTU	60.9 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:44 AM	48:00	5.19 pH	15.98 °C	24.55 µS/cm	7.63 mg/L	0.71 NTU	61.0 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:48 AM	52:00	5.20 pH	16.23 °C	24.88 µS/cm	7.59 mg/L	0.69 NTU	60.5 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:52 AM	56:00	5.23 pH	15.98 °C	25.56 µS/cm	7.63 mg/L	1.03 NTU	59.9 mV	49.24 ft	0.01 PSU	200.00 ml/min

2/14/2023 10:56 AM	01:00:00	5.24 pH	16.06 °C	25.99 µS/cm	7.61 mg/L	1.01 NTU	59.6 mV	49.24 ft	0.01 PSU	200.00 ml/min
-----------------------	----------	---------	----------	-------------	-----------	----------	---------	----------	----------	------------------

Samples

Sample ID:	Description:
GWA-43	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 10:16:58 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-39RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.07 ft Total Depth: 140.07 ft Initial Depth to Water: 68.05 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 97.5 ft Estimated Total Volume Pumped: 65120 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 57.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	---	--

Test Notes:

Prepurge 5.5L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/14/2023 10:16 AM	00:00	7.37 pH	15.13 °C	307.47 µS/cm	0.28 mg/L	1.41 NTU	83.0 mV	68.05 ft	300.00 ml/min
2/14/2023 10:20 AM	04:00	7.36 pH	15.07 °C	303.81 µS/cm	0.77 mg/L	1.34 NTU	76.9 mV	69.50 ft	300.00 ml/min
2/14/2023 10:24 AM	08:00	7.34 pH	15.08 °C	296.77 µS/cm	1.84 mg/L	1.91 NTU	75.6 mV	70.08 ft	300.00 ml/min
2/14/2023 10:28 AM	12:00	7.31 pH	15.10 °C	295.31 µS/cm	2.26 mg/L	1.47 NTU	74.8 mV	72.36 ft	300.00 ml/min
2/14/2023 10:32 AM	16:00	7.30 pH	15.07 °C	295.63 µS/cm	2.40 mg/L	1.39 NTU	73.1 mV	73.71 ft	300.00 ml/min
2/14/2023 10:36 AM	20:00	7.29 pH	15.06 °C	294.65 µS/cm	2.50 mg/L	2.02 NTU	71.9 mV	75.00 ft	300.00 ml/min
2/14/2023 10:40 AM	24:00	7.29 pH	15.13 °C	294.44 µS/cm	2.53 mg/L	1.58 NTU	70.7 mV	76.45 ft	300.00 ml/min
2/14/2023 10:44 AM	28:00	7.29 pH	15.17 °C	295.40 µS/cm	2.57 mg/L	1.93 NTU	67.9 mV	77.73 ft	300.00 ml/min
2/14/2023 10:48 AM	32:00	7.29 pH	15.18 °C	295.09 µS/cm	2.59 mg/L	1.77 NTU	67.1 mV	79.10 ft	300.00 ml/min
2/14/2023 10:52 AM	36:00	7.29 pH	15.22 °C	295.45 µS/cm	2.62 mg/L	2.18 NTU	66.8 mV	80.38 ft	300.00 ml/min
2/14/2023 10:56 AM	40:00	7.29 pH	15.18 °C	296.61 µS/cm	2.63 mg/L	1.72 NTU	64.9 mV	81.58 ft	300.00 ml/min
2/14/2023 11:00 AM	44:00	7.29 pH	15.20 °C	296.59 µS/cm	2.64 mg/L	1.33 NTU	63.8 mV	82.88 ft	300.00 ml/min
2/14/2023 11:04 AM	48:00	7.29 pH	15.21 °C	296.46 µS/cm	2.67 mg/L	1.76 NTU	64.1 mV	84.10 ft	300.00 ml/min
2/14/2023 11:08 AM	52:00	7.29 pH	15.26 °C	297.04 µS/cm	2.66 mg/L	1.32 NTU	64.9 mV	85.28 ft	300.00 ml/min
2/14/2023 11:12 AM	56:00	7.30 pH	15.31 °C	297.47 µS/cm	2.65 mg/L	1.17 NTU	65.7 mV	86.54 ft	300.00 ml/min

2/14/2023 11:16 AM	01:00:00	7.30 pH	15.31 °C	297.55 µS/cm	2.69 mg/L	1.02 NTU	68.5 mV	87.72 ft	300.00 ml/min
2/14/2023 11:20 AM	01:04:00	7.31 pH	15.31 °C	297.72 µS/cm	2.69 mg/L	1.06 NTU	69.4 mV	88.88 ft	300.00 ml/min
2/14/2023 11:24 AM	01:08:00	7.31 pH	15.31 °C	298.03 µS/cm	2.70 mg/L	1.01 NTU	68.8 mV	90.10 ft	300.00 ml/min
2/14/2023 11:28 AM	01:12:00	7.31 pH	15.31 °C	298.72 µS/cm	2.71 mg/L	1.33 NTU	66.3 mV	91.23 ft	300.00 ml/min
2/14/2023 11:32 AM	01:16:00	7.31 pH	15.34 °C	298.84 µS/cm	2.73 mg/L	1.23 NTU	68.0 mV	92.40 ft	300.00 ml/min
2/14/2023 11:36 AM	01:20:00	7.32 pH	15.34 °C	299.70 µS/cm	2.75 mg/L	1.01 NTU	70.0 mV	93.51 ft	300.00 ml/min
2/14/2023 11:40 AM	01:24:00	7.33 pH	15.33 °C	301.37 µS/cm	2.70 mg/L	1.23 NTU	66.6 mV	94.60 ft	300.00 ml/min
2/14/2023 11:44 AM	01:28:00	7.33 pH	15.33 °C	300.17 µS/cm	2.69 mg/L	1.40 NTU	66.0 mV	95.80 ft	300.00 ml/min
2/14/2023 11:48 AM	01:32:00	7.33 pH	15.32 °C	300.44 µS/cm	2.67 mg/L	1.09 NTU	65.4 mV	96.87 ft	300.00 ml/min
2/14/2023 11:52 AM	01:36:00	7.33 pH	15.35 °C	301.04 µS/cm	2.63 mg/L	1.88 NTU	64.7 mV	97.91 ft	300.00 ml/min
2/14/2023 11:56 AM	01:40:00	7.34 pH	15.36 °C	300.78 µS/cm	2.63 mg/L	1.76 NTU	64.7 mV	98.95 ft	300.00 ml/min
2/14/2023 12:00 PM	01:44:00	7.34 pH	15.40 °C	300.41 µS/cm	2.65 mg/L	0.92 NTU	66.2 mV	100.07 ft	300.00 ml/min
2/14/2023 12:04 PM	01:48:00	7.34 pH	15.42 °C	301.74 µS/cm	2.63 mg/L	1.07 NTU	65.9 mV	101.06 ft	300.00 ml/min
2/14/2023 12:08 PM	01:52:00	7.35 pH	15.48 °C	301.42 µS/cm	2.69 mg/L	1.01 NTU	67.8 mV	102.07 ft	300.00 ml/min
2/14/2023 12:12 PM	01:56:00	7.35 pH	15.58 °C	301.52 µS/cm	2.72 mg/L	1.35 NTU	69.4 mV	103.13 ft	300.00 ml/min
2/14/2023 12:16 PM	02:00:00	7.35 pH	15.57 °C	301.48 µS/cm	2.75 mg/L	1.13 NTU	72.5 mV	104.11 ft	300.00 ml/min
2/14/2023 12:20 PM	02:04:00	7.36 pH	15.60 °C	301.24 µS/cm	2.82 mg/L	1.09 NTU	74.6 mV	105.16 ft	300.00 ml/min
2/14/2023 12:24 PM	02:08:00	7.36 pH	15.67 °C	301.14 µS/cm	2.87 mg/L	1.02 NTU	77.3 mV	106.13 ft	300.00 ml/min
2/14/2023 12:28 PM	02:12:00	7.36 pH	15.66 °C	301.33 µS/cm	2.94 mg/L	1.57 NTU	79.7 mV	107.06 ft	300.00 ml/min
2/14/2023 12:32 PM	02:16:00	7.37 pH	15.67 °C	301.67 µS/cm	3.01 mg/L	1.20 NTU	82.5 mV	108.10 ft	300.00 ml/min
2/14/2023 12:36 PM	02:20:00	7.37 pH	15.67 °C	301.51 µS/cm	3.03 mg/L	1.00 NTU	83.9 mV	109.09 ft	300.00 ml/min
2/14/2023 12:40 PM	02:24:00	7.37 pH	15.67 °C	301.64 µS/cm	3.10 mg/L	1.37 NTU	85.2 mV	110.02 ft	300.00 ml/min
2/14/2023 12:44 PM	02:28:00	7.38 pH	15.68 °C	302.40 µS/cm	3.14 mg/L	0.99 NTU	86.7 mV	111.01 ft	300.00 ml/min
2/14/2023 12:48 PM	02:32:00	7.38 pH	15.71 °C	301.82 µS/cm	3.19 mg/L	0.93 NTU	87.3 mV	111.90 ft	300.00 ml/min
2/14/2023 12:52 PM	02:36:00	7.38 pH	15.72 °C	302.43 µS/cm	3.22 mg/L	0.94 NTU	88.2 mV	112.87 ft	300.00 ml/min
2/14/2023 12:56 PM	02:40:00	7.39 pH	15.70 °C	302.80 µS/cm	3.27 mg/L	1.28 NTU	89.1 mV	113.70 ft	310.00 ml/min
2/14/2023 1:00 PM	02:44:00	7.39 pH	15.72 °C	303.32 µS/cm	3.29 mg/L	0.89 NTU	88.8 mV	114.62 ft	350.00 ml/min
2/14/2023 1:04 PM	02:48:00	7.39 pH	15.72 °C	303.74 µS/cm	3.35 mg/L	0.87 NTU	88.8 mV	115.89 ft	350.00 ml/min
2/14/2023 1:08 PM	02:52:00	7.38 pH	15.76 °C	305.35 µS/cm	3.40 mg/L	1.15 NTU	90.4 mV	117.08 ft	350.00 ml/min

2/14/2023 1:12 PM	02:56:00	7.38 pH	15.73 °C	305.67 µS/cm	3.41 mg/L	1.23 NTU	91.1 mV	118.10 ft	350.00 ml/min
2/14/2023 1:16 PM	03:00:00	7.39 pH	15.76 °C	306.59 µS/cm	3.40 mg/L	1.24 NTU	90.4 mV	119.00 ft	350.00 ml/min
2/14/2023 1:20 PM	03:04:00	7.40 pH	15.76 °C	308.21 µS/cm	3.40 mg/L	1.08 NTU	91.0 mV	119.98 ft	330.00 ml/min
2/14/2023 1:24 PM	03:08:00	7.40 pH	15.76 °C	306.67 µS/cm	3.42 mg/L	0.95 NTU	91.1 mV	120.73 ft	330.00 ml/min
2/14/2023 1:28 PM	03:12:00	7.41 pH	15.94 °C	307.37 µS/cm	3.42 mg/L	1.19 NTU	91.8 mV	121.41 ft	300.00 ml/min
2/14/2023 1:32 PM	03:16:00	7.41 pH	15.85 °C	306.84 µS/cm	3.44 mg/L	1.34 NTU	91.6 mV	122.05 ft	280.00 ml/min
2/14/2023 1:36 PM	03:20:00	7.41 pH	15.79 °C	308.76 µS/cm	3.44 mg/L	1.47 NTU	92.1 mV	122.83 ft	270.00 ml/min
2/14/2023 1:40 PM	03:24:00	7.41 pH	15.78 °C	308.47 µS/cm	3.47 mg/L	0.83 NTU	92.4 mV	123.72 ft	270.00 ml/min
2/14/2023 1:44 PM	03:28:00	7.41 pH	15.78 °C	309.96 µS/cm	3.47 mg/L	1.48 NTU	91.7 mV	124.72 ft	110.00 ml/min
2/14/2023 1:48 PM	03:32:00	7.42 pH	15.89 °C	310.82 µS/cm	3.47 mg/L	1.14 NTU	92.0 mV	124.81 ft	110.00 ml/min
2/14/2023 1:52 PM	03:36:00	7.42 pH	15.89 °C	311.84 µS/cm	3.48 mg/L	1.04 NTU	92.9 mV	124.91 ft	110.00 ml/min
2/14/2023 1:56 PM	03:40:00	7.45 pH	15.85 °C	300.91 µS/cm	3.46 mg/L	0.49 NTU	87.2 mV	125.00 ft	110.00 ml/min
2/14/2023 2:00 PM	03:44:00	7.48 pH	15.90 °C	298.10 µS/cm	3.48 mg/L	0.37 NTU	85.7 mV	125.09 ft	110.00 ml/min

Samples

Sample ID:	Description:
GWA-39RZ	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 11:44:02 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-49R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 126.8 ft Total Depth: 136.8 ft Initial Depth to Water: 53.34 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 131.8 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: -0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	---	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/14/2023 11:44 AM	00:00	6.95 pH	16.87 °C	256.74 µS/cm	4.22 mg/L	0.18 NTU	46.4 mV	53.35 ft	0.14 PSU	150.00 ml/min
2/14/2023 11:48 AM	04:00	7.17 pH	16.83 °C	253.67 µS/cm	4.85 mg/L	0.02 NTU	44.6 mV	53.35 ft	0.14 PSU	150.00 ml/min
2/14/2023 11:52 AM	08:00	7.33 pH	16.93 °C	254.11 µS/cm	4.95 mg/L	0.13 NTU	43.7 mV	53.35 ft	0.14 PSU	150.00 ml/min
2/14/2023 11:56 AM	12:00	7.44 pH	17.01 °C	254.52 µS/cm	5.07 mg/L	0.05 NTU	43.7 mV	53.35 ft	0.14 PSU	150.00 ml/min
2/14/2023 12:00 PM	16:00	7.57 pH	17.01 °C	254.46 µS/cm	5.16 mg/L	0.09 NTU	42.2 mV	53.35 ft	0.14 PSU	150.00 ml/min
2/14/2023 12:04 PM	20:00	7.62 pH	17.01 °C	252.52 µS/cm	5.38 mg/L	0.04 NTU	42.4 mV	53.34 ft	0.13 PSU	150.00 ml/min
2/14/2023 12:08 PM	24:00	7.67 pH	17.09 °C	248.61 µS/cm	5.97 mg/L	0.03 NTU	42.4 mV	53.34 ft	0.13 PSU	150.00 ml/min
2/14/2023 12:12 PM	28:00	7.69 pH	17.48 °C	247.80 µS/cm	6.17 mg/L	0.06 NTU	42.6 mV	53.33 ft	0.13 PSU	150.00 ml/min
2/14/2023 12:16 PM	32:00	7.72 pH	17.49 °C	247.18 µS/cm	6.27 mg/L	0.01 NTU	42.4 mV	53.32 ft	0.13 PSU	150.00 ml/min
2/14/2023 12:20 PM	36:00	7.75 pH	17.63 °C	246.08 µS/cm	6.44 mg/L	0.08 NTU	42.1 mV	53.32 ft	0.13 PSU	150.00 ml/min
2/14/2023 12:24 PM	40:00	7.75 pH	17.62 °C	244.72 µS/cm	6.60 mg/L	0.02 NTU	42.8 mV	53.32 ft	0.13 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-49R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 12:54:26 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-49Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 85.2 ft Total Depth: 95.2 ft Initial Depth to Water: 52.55 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 90.2 ft Estimated Total Volume Pumped: 5400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 1.21 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	---	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/14/2023 12:54 PM	00:00	6.92 pH	18.36 °C	22.90 µS/cm	6.72 mg/L	0.76 NTU	59.0 mV	53.26 ft	0.01 PSU	150.00 ml/min
2/14/2023 12:58 PM	04:00	6.19 pH	18.08 °C	23.35 µS/cm	7.13 mg/L	0.78 NTU	54.7 mV	53.38 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:02 PM	08:00	5.66 pH	18.31 °C	23.62 µS/cm	7.18 mg/L	1.56 NTU	54.6 mV	53.47 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:06 PM	12:00	5.36 pH	18.34 °C	23.67 µS/cm	7.20 mg/L	1.59 NTU	54.7 mV	53.55 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:10 PM	16:00	5.23 pH	18.51 °C	23.72 µS/cm	7.19 mg/L	2.00 NTU	54.6 mV	53.61 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:14 PM	20:00	5.18 pH	18.59 °C	23.61 µS/cm	7.15 mg/L	2.27 NTU	54.8 mV	53.66 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:18 PM	24:00	5.16 pH	18.68 °C	23.67 µS/cm	7.15 mg/L	2.26 NTU	54.8 mV	53.70 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:22 PM	28:00	5.15 pH	18.70 °C	23.75 µS/cm	7.17 mg/L	1.88 NTU	55.0 mV	53.72 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:26 PM	32:00	5.14 pH	18.79 °C	23.86 µS/cm	7.19 mg/L	1.94 NTU	55.1 mV	53.74 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:30 PM	36:00	5.15 pH	18.71 °C	23.68 µS/cm	7.20 mg/L	1.82 NTU	54.8 mV	53.76 ft	0.01 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-49Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 1:24:33 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Kevin Stephenson

Location Name: GWC-44 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 81.1 ft Total Depth: 91.1 ft Initial Depth to Water: 49.09 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 86.1 ft Estimated Total Volume Pumped: 4800 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.3 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
---	--	--

Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/14/2023 1:24 PM	00:00	3.93 pH	18.70 °C	139.61 µS/cm	3.78 mg/L	1.43 NTU	142.3 mV	49.24 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:28 PM	04:00	3.94 pH	18.74 °C	139.74 µS/cm	3.76 mg/L	0.65 NTU	135.8 mV	49.24 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:32 PM	08:00	3.93 pH	18.76 °C	138.68 µS/cm	3.74 mg/L	0.68 NTU	130.8 mV	49.26 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:36 PM	12:00	3.95 pH	18.69 °C	138.39 µS/cm	3.74 mg/L	0.90 NTU	126.0 mV	49.28 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:40 PM	16:00	3.94 pH	18.60 °C	138.36 µS/cm	3.75 mg/L	0.43 NTU	124.1 mV	49.28 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:44 PM	20:00	3.94 pH	18.66 °C	138.41 µS/cm	3.74 mg/L	0.61 NTU	122.0 mV	49.30 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:48 PM	24:00	3.92 pH	18.73 °C	138.02 µS/cm	3.73 mg/L	0.34 NTU	120.3 mV	49.31 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:52 PM	28:00	3.94 pH	18.54 °C	138.44 µS/cm	3.76 mg/L	0.28 NTU	118.3 mV	49.33 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:56 PM	32:00	3.94 pH	18.47 °C	138.23 µS/cm	3.75 mg/L	0.44 NTU	116.8 mV	49.35 ft	0.07 PSU	120.00 ml/min
2/14/2023 2:00 PM	36:00	3.94 pH	18.41 °C	138.30 µS/cm	3.76 mg/L	0.26 NTU	115.2 mV	49.36 ft	0.07 PSU	120.00 ml/min
2/14/2023 2:04 PM	40:00	3.95 pH	18.36 °C	138.09 µS/cm	3.76 mg/L	0.46 NTU	113.9 mV	49.39 ft	0.07 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-44	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 2:22:41 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-46R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.01 ft Total Depth: 59.01 ft Initial Depth to Water: 36.36 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.01 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 1.45 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/14/2023 2:22 PM	00:00	7.10 pH	19.44 °C	420.66 µS/cm	6.95 mg/L	0.10 NTU	39.9 mV	37.38 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:26 PM	04:00	7.26 pH	19.35 °C	422.09 µS/cm	6.94 mg/L	0.05 NTU	43.2 mV	37.51 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:30 PM	08:00	7.35 pH	19.22 °C	422.38 µS/cm	6.92 mg/L	0.06 NTU	44.6 mV	37.64 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:34 PM	12:00	7.40 pH	19.27 °C	422.63 µS/cm	6.92 mg/L	0.07 NTU	45.3 mV	37.70 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:38 PM	16:00	7.45 pH	19.24 °C	422.02 µS/cm	6.90 mg/L	0.10 NTU	45.4 mV	37.76 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:42 PM	20:00	7.47 pH	19.16 °C	421.45 µS/cm	6.86 mg/L	0.13 NTU	46.1 mV	37.79 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:46 PM	24:00	7.48 pH	19.29 °C	423.16 µS/cm	6.81 mg/L	0.06 NTU	46.8 mV	37.80 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:50 PM	28:00	7.49 pH	19.27 °C	420.90 µS/cm	6.72 mg/L	0.05 NTU	47.0 mV	37.81 ft	0.23 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-46R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/15/2023 9:48:14 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-45 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.55 ft Total Depth: 67.55 ft Initial Depth to Water: 39.12 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 62.55 ft Estimated Total Volume Pumped: 8160 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 3.89 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
---	--	--

Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/15/2023 9:48 AM	00:00	5.04 pH	15.20 °C	31.43 µS/cm	6.12 mg/L	0.35 NTU	196.6 mV	39.12 ft	120.00 ml/min
2/15/2023 9:52 AM	04:00	4.46 pH	15.62 °C	27.59 µS/cm	5.75 mg/L	0.95 NTU	205.4 mV	39.60 ft	120.00 ml/min
2/15/2023 9:56 AM	08:00	4.37 pH	15.76 °C	26.73 µS/cm	5.71 mg/L	1.57 NTU	205.1 mV	40.02 ft	120.00 ml/min
2/15/2023 10:00 AM	12:00	4.33 pH	15.76 °C	26.94 µS/cm	5.63 mg/L	1.69 NTU	200.9 mV	40.36 ft	120.00 ml/min
2/15/2023 10:04 AM	16:00	4.29 pH	15.72 °C	26.25 µS/cm	5.60 mg/L	1.44 NTU	197.6 mV	40.65 ft	120.00 ml/min
2/15/2023 10:08 AM	20:00	4.30 pH	15.81 °C	25.92 µS/cm	5.57 mg/L	1.10 NTU	193.3 mV	40.95 ft	120.00 ml/min
2/15/2023 10:12 AM	24:00	4.27 pH	15.76 °C	25.72 µS/cm	5.58 mg/L	1.03 NTU	188.0 mV	41.15 ft	120.00 ml/min
2/15/2023 10:16 AM	28:00	4.27 pH	15.72 °C	25.56 µS/cm	5.61 mg/L	0.73 NTU	184.5 mV	41.39 ft	120.00 ml/min
2/15/2023 10:20 AM	32:00	4.26 pH	15.78 °C	25.50 µS/cm	5.64 mg/L	0.61 NTU	180.2 mV	41.65 ft	120.00 ml/min
2/15/2023 10:24 AM	36:00	4.27 pH	15.85 °C	25.48 µS/cm	5.65 mg/L	0.34 NTU	177.0 mV	41.86 ft	120.00 ml/min
2/15/2023 10:28 AM	40:00	4.24 pH	15.82 °C	25.51 µS/cm	5.67 mg/L	0.37 NTU	176.0 mV	42.01 ft	120.00 ml/min
2/15/2023 10:32 AM	44:00	4.23 pH	15.85 °C	25.51 µS/cm	5.68 mg/L	0.40 NTU	173.5 mV	42.21 ft	120.00 ml/min
2/15/2023 10:36 AM	48:00	4.25 pH	15.85 °C	25.55 µS/cm	5.70 mg/L	0.18 NTU	170.9 mV	42.35 ft	120.00 ml/min
2/15/2023 10:40 AM	52:00	4.24 pH	15.88 °C	25.52 µS/cm	5.71 mg/L	0.31 NTU	168.6 mV	42.50 ft	120.00 ml/min
2/15/2023 10:44 AM	56:00	4.25 pH	15.83 °C	25.44 µS/cm	5.72 mg/L	0.13 NTU	168.3 mV	42.66 ft	120.00 ml/min

2/15/2023 10:48 AM	01:00:00	4.25 pH	15.85 °C	25.46 µS/cm	5.73 mg/L	0.20 NTU	166.8 mV	42.78 ft	120.00 ml/min
2/15/2023 10:52 AM	01:04:00	4.25 pH	15.86 °C	25.53 µS/cm	5.74 mg/L	0.06 NTU	166.1 mV	42.89 ft	120.00 ml/min
2/15/2023 10:56 AM	01:08:00	4.26 pH	15.86 °C	25.45 µS/cm	5.75 mg/L	0.05 NTU	163.8 mV	43.01 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWC-45	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/15/2023 9:53:04 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-47 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.63 ft Total Depth: 67.63 ft Initial Depth to Water: 37.98 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 62.63 ft Estimated Total Volume Pumped: 2080 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
---	--	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/15/2023 9:53 AM	00:00	7.14 pH	15.60 °C	202.31 µS/cm	3.46 mg/L	1.94 NTU	138.5 mV	38.03 ft	0.11 PSU	130.00 ml/min
2/15/2023 9:57 AM	04:00	7.16 pH	15.68 °C	200.59 µS/cm	3.25 mg/L	1.24 NTU	105.0 mV	38.03 ft	0.11 PSU	130.00 ml/min
2/15/2023 10:01 AM	08:00	7.16 pH	15.75 °C	200.28 µS/cm	3.16 mg/L	0.95 NTU	87.3 mV	38.03 ft	0.11 PSU	130.00 ml/min
2/15/2023 10:05 AM	12:00	7.16 pH	15.75 °C	200.22 µS/cm	3.15 mg/L	0.70 NTU	78.5 mV	38.03 ft	0.11 PSU	130.00 ml/min
2/15/2023 10:09 AM	16:00	7.20 pH	15.78 °C	199.74 µS/cm	3.12 mg/L	0.58 NTU	72.6 mV	38.03 ft	0.11 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-47	Metals, Inorganics, Alkalinity, TDS
DUP-9	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/15/2023 10:51:07 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-47R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.55 ft Total Depth: 84.55 ft Initial Depth to Water: 38.02 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.55 ft Estimated Total Volume Pumped: 7920 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 5.14 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 1 L

Lowered pump rate to 120 mL/min at 24:00 to stabilize drawdown.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/15/2023 10:51 AM	00:00	7.18 pH	15.97 °C	298.01 µS/cm	2.98 mg/L	0.02 NTU	66.6 mV	39.93 ft	0.16 PSU	150.00 ml/min
2/15/2023 10:55 AM	04:00	7.13 pH	16.11 °C	280.97 µS/cm	1.80 mg/L	0.06 NTU	63.8 mV	40.39 ft	0.15 PSU	150.00 ml/min
2/15/2023 10:59 AM	08:00	7.03 pH	16.14 °C	272.37 µS/cm	1.45 mg/L	0.14 NTU	62.9 mV	40.39 ft	0.15 PSU	150.00 ml/min
2/15/2023 11:03 AM	12:00	6.97 pH	16.16 °C	270.41 µS/cm	1.54 mg/L	0.71 NTU	62.4 mV	41.51 ft	0.14 PSU	150.00 ml/min
2/15/2023 11:07 AM	16:00	6.98 pH	16.14 °C	268.45 µS/cm	1.67 mg/L	0.92 NTU	60.3 mV	41.92 ft	0.14 PSU	150.00 ml/min
2/15/2023 11:11 AM	20:00	6.99 pH	16.14 °C	266.74 µS/cm	1.85 mg/L	1.02 NTU	60.1 mV	42.33 ft	0.14 PSU	150.00 ml/min
2/15/2023 11:15 AM	24:00	7.02 pH	16.00 °C	265.66 µS/cm	2.01 mg/L	0.54 NTU	59.5 mV	42.54 ft	0.14 PSU	120.00 ml/min
2/15/2023 11:19 AM	28:00	7.04 pH	15.96 °C	266.93 µS/cm	2.18 mg/L	0.57 NTU	59.1 mV	42.65 ft	0.14 PSU	120.00 ml/min
2/15/2023 11:23 AM	32:00	7.07 pH	15.93 °C	271.57 µS/cm	2.51 mg/L	0.71 NTU	58.7 mV	42.75 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:27 AM	36:00	7.12 pH	15.91 °C	273.56 µS/cm	2.87 mg/L	0.26 NTU	58.7 mV	42.83 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:31 AM	40:00	7.17 pH	15.93 °C	275.85 µS/cm	3.09 mg/L	0.40 NTU	58.6 mV	42.90 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:35 AM	44:00	7.24 pH	15.93 °C	277.56 µS/cm	3.32 mg/L	0.37 NTU	57.9 mV	42.95 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:39 AM	48:00	7.29 pH	15.97 °C	278.35 µS/cm	3.44 mg/L	0.31 NTU	58.0 mV	43.00 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:43 AM	52:00	7.33 pH	15.96 °C	279.64 µS/cm	3.57 mg/L	0.31 NTU	57.8 mV	43.06 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:47 AM	56:00	7.36 pH	15.93 °C	281.12 µS/cm	3.66 mg/L	0.35 NTU	57.7 mV	43.11 ft	0.15 PSU	120.00 ml/min

2/15/2023 11:51 AM	01:00:00	7.38 pH	15.92 °C	282.63 µS/cm	3.76 mg/L	0.30 NTU	57.6 mV	43.16 ft	0.15 PSU	120.00 ml/min
-----------------------	----------	---------	----------	-----------------	-----------	----------	---------	----------	----------	------------------

Samples

Sample ID:	Description:
GWC-47R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/15/2023 12:34:59 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-45R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 120.12 ft Total Depth: 130.12 ft Initial Depth to Water: 48.81 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 125.12 ft Estimated Total Volume Pumped: 3520 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	--	--

Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/15/2023 12:34 PM	00:00	6.16 pH	14.29 °C	349.48 µS/cm	8.74 mg/L	1.14 NTU	140.3 mV	48.81 ft	110.00 ml/min
2/15/2023 12:38 PM	04:00	6.29 pH	15.42 °C	350.84 µS/cm	2.09 mg/L	0.10 NTU	72.3 mV	48.81 ft	110.00 ml/min
2/15/2023 12:42 PM	08:00	6.37 pH	15.58 °C	361.22 µS/cm	1.51 mg/L	0.22 NTU	72.8 mV	48.81 ft	110.00 ml/min
2/15/2023 12:46 PM	12:00	6.50 pH	15.58 °C	380.52 µS/cm	3.36 mg/L	0.02 NTU	88.5 mV	48.81 ft	110.00 ml/min
2/15/2023 12:50 PM	16:00	6.59 pH	15.62 °C	388.61 µS/cm	4.25 mg/L	0.06 NTU	101.8 mV	48.81 ft	110.00 ml/min
2/15/2023 12:54 PM	20:00	6.64 pH	15.63 °C	390.95 µS/cm	4.50 mg/L	0.01 NTU	108.7 mV	48.81 ft	110.00 ml/min
2/15/2023 12:58 PM	24:00	6.68 pH	15.55 °C	391.34 µS/cm	4.57 mg/L	0.30 NTU	111.4 mV	48.81 ft	110.00 ml/min
2/15/2023 1:02 PM	28:00	6.70 pH	15.60 °C	391.65 µS/cm	4.61 mg/L	0.11 NTU	112.5 mV	48.81 ft	110.00 ml/min
2/15/2023 1:06 PM	32:00	6.71 pH	15.62 °C	392.57 µS/cm	4.65 mg/L	0.08 NTU	113.3 mV	48.81 ft	110.00 ml/min

Samples

Sample ID:	Description:
GWC-45R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/15/2023 12:57:21 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-48 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.49 ft Total Depth: 59.49 ft Initial Depth to Water: 34.92 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.49 ft Estimated Total Volume Pumped: 5400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.12 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
---	--	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/15/2023 12:57 PM	00:00	4.75 pH	15.85 °C	55.58 µS/cm	3.57 mg/L	0.07 NTU	83.8 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:01 PM	04:00	4.70 pH	15.93 °C	56.32 µS/cm	3.54 mg/L	0.09 NTU	75.6 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:05 PM	08:00	4.70 pH	15.93 °C	56.39 µS/cm	3.48 mg/L	0.10 NTU	74.4 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:09 PM	12:00	4.67 pH	15.93 °C	56.22 µS/cm	3.37 mg/L	0.25 NTU	74.8 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:13 PM	16:00	4.69 pH	15.98 °C	55.65 µS/cm	3.34 mg/L	0.24 NTU	73.1 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:17 PM	20:00	4.70 pH	16.07 °C	54.85 µS/cm	3.36 mg/L	0.16 NTU	73.0 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:21 PM	24:00	4.71 pH	16.06 °C	54.23 µS/cm	3.38 mg/L	0.13 NTU	72.7 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:25 PM	28:00	4.73 pH	16.11 °C	53.67 µS/cm	3.41 mg/L	0.14 NTU	72.4 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:29 PM	32:00	4.75 pH	16.07 °C	53.42 µS/cm	3.48 mg/L	0.12 NTU	72.3 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:33 PM	36:00	4.75 pH	16.03 °C	53.58 µS/cm	3.57 mg/L	0.08 NTU	72.5 mV	35.04 ft	0.03 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-48	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 3/16/2023 11:17:19 AM

Project: Plant Bowen LF Cells 9&10 March 2023 Resample

Operator Name: William Laaker

Location Name: GWC-48 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.49 ft Total Depth: 59.49 ft Initial Depth to Water: 34.13 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.49 ft Estimated Total Volume Pumped: 6600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.13 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
---	--	--

Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
3/16/2023 11:17 AM	00:00	4.39 pH	17.54 °C	59.92 µS/cm	3.49 mg/L	0.15 NTU	160.8 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:21 AM	04:00	4.38 pH	17.63 °C	60.57 µS/cm	3.54 mg/L	0.19 NTU	133.7 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:25 AM	08:00	4.39 pH	17.72 °C	60.63 µS/cm	3.42 mg/L	0.03 NTU	122.2 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:29 AM	12:00	4.42 pH	17.72 °C	60.21 µS/cm	3.36 mg/L	0.06 NTU	115.2 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:33 AM	16:00	4.43 pH	17.69 °C	59.70 µS/cm	3.33 mg/L	0.11 NTU	111.1 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:37 AM	20:00	4.43 pH	17.73 °C	58.82 µS/cm	3.31 mg/L	0.01 NTU	108.4 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:41 AM	24:00	4.44 pH	17.83 °C	57.57 µS/cm	3.30 mg/L	0.01 NTU	106.6 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:45 AM	28:00	4.48 pH	17.89 °C	56.90 µS/cm	3.34 mg/L	0.07 NTU	103.9 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:49 AM	32:00	4.49 pH	17.81 °C	56.43 µS/cm	3.42 mg/L	0.02 NTU	103.0 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:53 AM	36:00	4.52 pH	17.84 °C	56.51 µS/cm	3.49 mg/L	0.15 NTU	101.8 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:57 AM	40:00	4.55 pH	17.91 °C	56.67 µS/cm	3.58 mg/L	0.03 NTU	100.6 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 12:01 PM	44:00	4.55 pH	17.99 °C	57.08 µS/cm	3.67 mg/L	0.01 NTU	100.7 mV	34.26 ft	0.03 PSU	150.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

GWC-48	Mercury, Chloride
FD-01	Mercury, Chloride

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/11/2023 9:12:52 AM

Project: Plant Bowen LF Cells 1&2 April 2023 Resample

Operator Name: Meredith Duncan

Location Name: GWC-13 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.8 ft Total Depth: 84.8 ft Initial Depth to Water: 30.7 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.8 ft Estimated Total Volume Pumped: 4840 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
--	---	--

Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
4/11/2023 9:12 AM	00:00	6.84 pH	13.50 °C	239.71 µS/cm	3.92 mg/L	1.17 NTU	48.7 mV	30.70 ft	110.00 ml/min
4/11/2023 9:16 AM	04:00	6.74 pH	14.38 °C	227.58 µS/cm	2.55 mg/L	1.10 NTU	27.0 mV	30.71 ft	110.00 ml/min
4/11/2023 9:20 AM	08:00	6.71 pH	14.63 °C	221.51 µS/cm	3.86 mg/L	0.69 NTU	56.0 mV	30.71 ft	110.00 ml/min
4/11/2023 9:24 AM	12:00	6.68 pH	14.78 °C	221.64 µS/cm	4.31 mg/L	0.45 NTU	69.7 mV	30.71 ft	110.00 ml/min
4/11/2023 9:28 AM	16:00	6.67 pH	14.86 °C	223.10 µS/cm	4.49 mg/L	0.87 NTU	76.0 mV	30.71 ft	110.00 ml/min
4/11/2023 9:32 AM	20:00	6.66 pH	14.92 °C	222.85 µS/cm	4.51 mg/L	0.66 NTU	76.7 mV	30.71 ft	110.00 ml/min
4/11/2023 9:36 AM	24:00	6.67 pH	14.98 °C	223.35 µS/cm	4.53 mg/L	0.50 NTU	79.5 mV	30.71 ft	110.00 ml/min
4/11/2023 9:40 AM	28:00	6.67 pH	15.00 °C	223.75 µS/cm	4.57 mg/L	0.54 NTU	80.2 mV	30.71 ft	110.00 ml/min
4/11/2023 9:44 AM	32:00	6.68 pH	15.04 °C	223.25 µS/cm	4.58 mg/L	0.82 NTU	81.6 mV	30.71 ft	110.00 ml/min
4/11/2023 9:48 AM	36:00	6.68 pH	15.08 °C	223.47 µS/cm	4.60 mg/L	0.92 NTU	82.5 mV	30.71 ft	110.00 ml/min
4/11/2023 9:52 AM	40:00	6.68 pH	15.07 °C	223.58 µS/cm	4.61 mg/L	0.51 NTU	83.3 mV	30.71 ft	110.00 ml/min
4/11/2023 9:56 AM	44:00	6.69 pH	15.06 °C	223.36 µS/cm	4.62 mg/L	0.33 NTU	84.1 mV	30.71 ft	110.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

GWC-13	TDS
FD-02	TDS

Created using VuSitu from In-Situ, Inc.

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/8/23	Time (Calibration): 0830	Time (Mid-day Check): 1530
AquaTroll SN: 893479	Turbidity Meter Type: la motte	SN: 9453-4417	
Project: Bowen LF	Weather Conditions: 56° Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				96.02	
Specific Conductance (µS/cm)	22250153 11/23	14.05	4490	4482.6	
pH (4)	22250153 11/23	14.04	4	3.92	
pH (7)	2216893 11/23	14.17	7	6.84	
pH (10)	21320202 12/23	14.23	10	9.97	
ORP (mV)	21390144 11/23	14.28	228	239	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.97	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.58	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.33	4	4.07	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	24.25	7	7.18	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	23.75	10	10.11	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Laaker	Date: 2/8/23	Time (Calibration): 8:20	Time (Mid-day Check): 15:05
AquaTroll SN: 789301	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
Project: Feb 2023 LF Semi	Weather Conditions: 70°/50° cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				101.97	
Specific Conductance (µS/cm)	22250153 11/23	11.98	4490	4509.3	
pH (4)	22250153 11/23	12.07	4	3.88	
pH (7)	2216893 11/23	11.94	7	6.93	
pH (10)	21320202 12/23	11.89	10	10.02	
ORP (mV)	21390144 11/23	11.89	228	221.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.81	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.85	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	19.14	4	4.06	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	19.38	7	7.13	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	20.33	10	10.12	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Karin Stojanovic</u>	Date: <u>2/9/23</u>	Time (Calibration): <u>1016</u>	Time (Mid-day Check): <u>1512</u>
AquaTroll SN: <u>789317</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>2068-0320</u>	
Project: <u>Basin LF Sampling</u>	Weather Conditions: <u>55°/32°, 1010</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				<u>98.79</u>	
Specific Conductance (µS/cm)	22250153 11/23	<u>16.55</u>	4490	<u>4189.1</u>	
pH (4)	22250153 11/23	<u>16.64</u>	4	<u>4.05</u>	
pH (7)	2216893 11/23	<u>16.57</u>	7	<u>7.04</u>	
pH (10)	21320202 12/23	<u>16.54</u>	10	<u>10.16</u>	
ORP (mV)	21390144 11/23	<u>16.50</u>	228	<u>218.2</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<u>0.04</u>	+/- 0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	<u>0.99</u>	+/- 0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	<u>9.61</u>	+/- 0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>18.24</u>	4	<u>4.13</u>	+/- 0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	<u>18.20</u>	7	<u>7.26</u>	+/- 0.1 SU	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Mid-Day pH (10) check	<u>18.27</u>	10	<u>10.26</u>	+/- 0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/9/23	Time (Calibration): 0830	Time (Mid-day Check): 1458
AquaTroll SN: 893479	Turbidity Meter Type: la motte	SN: 9453-4417	
Project: Bowen LF	Weather Conditions: 60° rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				101.34	
Specific Conductance (µS/cm)	22250153 11/23	16.35	4490	4775.9	
pH (4)	22250153 11/23	16.38	4	3.93	
pH (7)	2216893 11/23	16.10	7	6.89	
pH (10)	21320202 12/23	15.85	10	10.01	
ORP (mV)	21390144 11/23	15.95	228	240.0	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.97	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.55	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.73	4	4.07	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	17.77	7	7.15	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	17.95	10	10.22	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Laaker</u>	Date: <u>2/9/23</u>	Time (Calibration): <u>8:38</u>	Time (Mid-day Check): <u>15:20</u>
AquaTroll SN: <u>789301</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>7042-3818</u>	
Project: <u>Feb 2023 LF Semi</u>	Weather Conditions: <u>66°/44° cloudy 70% rain</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				99.52	
Specific Conductance (µS/cm)	22250153 11/23	14.90	4490	4531.1	
pH (4)	22250153 11/23	14.99	4	4.04	
pH (7)	2216893 11/23	15.21	7	7.09	
pH (10)	21320202 12/23	15.23	10	10.11	
ORP (mV)	21390144 11/23	15.14	228	220.0	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.92	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.82	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	18.08	4	4.11	±0.1 SU	Yes	No	
Mid-Day pH (7) check	17.30	7	7.11	±0.1 SU	Yes	No	
Mid-Day pH (10) check	17.71	10	10.10	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/10/23	Time (Calibration): 0830	Time (Mid-day Check): 1255
AquaTroll SN: 893479	Turbidity Meter Type: la motte		SN: 2068-0320
Project: Bowen LF	Weather Conditions: 47° Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				99.13	
Specific Conductance (µS/cm)	22250153 11/23	10.93	4490	4468.1	
pH (4)	22250153 11/23	11.00	4	3.93	
pH (7)	2216893 11/23	11.71	7	6.91	
pH (10)	21320202 12/23	12.22	10	9.97	
ORP (mV)	21390144 11/23	12.60	228	247	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	+/-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.93	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.99	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	14.26	4	4.09	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	14.45	7	7.21	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	14.72	10	10.22	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lacker	Date: 2/10/23	Time (Calibration): 8:36	Time (Mid-day Check): 12:45
AquaTroll SN: 789301	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
Project: Feb 2023 LF Semi	Weather Conditions: 58°/45° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				99.37	
Specific Conductance (µS/cm)	22250153 11/23	12.95	4490	4428.5	
pH (4)	22250153 11/23	13.13	4	4.04	
pH (7)	2216893 11/23	10.64	7	7.13	
pH (10)	21320202 12/23	10.42	10	10.25	
ORP (mV)	21390144 11/23	10.64	228	232.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.97	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.73	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	14.32	4	4.09	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	14.25	7	7.08	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	14.53	10	10.16	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Meredith Duncan</u>	Date: <u>2/13/23</u>	Time (Calibration): <u>0830</u>	Time (Mid-day Check): <u>1515</u>
AquaTroll SN: <u>893479</u>	Turbidity Meter Type: <u>la Motte</u>	SN: <u>9453-4417</u>	
Project: <u>Bowen LF</u>	Weather Conditions: <u>35' Sunny</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air cal)				<u>94.35</u>	
Specific Conductance (µS/cm)	<u>22250153 11/23</u>	<u>3.79</u>	<u>4490</u>	<u>4374.5</u>	
pH (4)	<u>22250153 11/23</u>	<u>3.96</u>	<u>4</u>	<u>3.92</u>	
pH (7)	<u>2216893 11/23</u>	<u>3.05</u>	<u>7</u>	<u>6.95</u>	
pH (10)	<u>21320202 12/23</u>	<u>3.50</u>	<u>10</u>	<u>10.13</u>	
ORP (mV)	<u>21390144 11/23</u>	<u>3.87</u>	<u>228</u>	<u>263.4</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	<u>0</u>	<u>0.03</u>	<u>+/-0.5 NTU</u>	Yes No	
Turbidity 1 NTU	<u>1</u>	<u>0.97</u>	<u>+/- 0.5 NTU</u>	Yes No	
Turbidity 10 NTU	<u>10</u>	<u>9.99</u>	<u>+/- 0.5 NTU</u>	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	<u>16.21</u>	<u>4</u>	<u>4.05</u>	<u>+/- 0.1 SU</u>	Yes No	
Mid-Day pH (7) check	<u>16.25</u>	<u>7</u>	<u>6.93</u>	<u>+/- 0.1 SU</u>	Yes No	
Mid-Day pH (10) check	<u>17.06</u>	<u>10</u>	<u>9.97</u>	<u>+/- 0.1 SU</u>	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lauker	Date: 2/13/23	Time (Calibration): 8:40	Time (Mid-day Check): 16:47
AquaTroll SN: 789301	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
Project: Feb 2023 LF Semi	Weather Conditions: 62°/32° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				102.82	
Specific Conductance (µS/cm)	22250153 11/23	12.80	4490	4480.1	
pH (4)	22250153 11/23	12.95	4	4.03	
pH (7)	2216893 11/23	12.49	7	7.01	
pH (10)	21320202 12/23	12.53	10	10.13	
ORP (mV)	21390144 11/23	12.35	228	227.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.93	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.04	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.73	4	4.13	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	17.10	7	7.21	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	16.20	10	10.21	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin Stephenson</u>	Date: <u>2/14/23</u>	Time (Calibration): <u>1042</u>	Time (Mid-day Check): <u>1544</u>
AquaTroll SN: <u>789317</u>	Turbidity Meter Type: <u>LaMotte 207D</u>	SN: <u>2068-032D</u>	
Project: <u>Basin LE Smearwork</u>	Weather Conditions: <u>68°/84°/10% 68°/84°/10%</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				100.69	
Specific Conductance (µS/cm)	22250153 11/23	5.25°	4490	4.09	
pH (4)	22250153 11/23	5.58°	4	3387.6	
pH (7)	2216893 11/23	6.31	7	7.19	
pH (10)	21320202 12/23	6.30	10	10.51	
ORP (mV)	21390144 11/23	6.29	228	256.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	-0.01	+/- 0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	1.36	+/- 0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	9.57	+/- 0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	5.03	4	4.11	+/- 0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	5.43	7	7.17	+/- 0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (10) check	6.68	10	10.13	+/- 0.1 SU	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/14/23	Time (Calibration): 0830	Time (Mid-day Check): 1525
AquaTroll SN: 893479	Turbidity Meter Type: la motte		SN: 9453-4417
Project: Bowen LF	Weather Conditions: 38° Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				110.13	
Specific Conductance (µS/cm)	22250153 11/23	6.70	4490	4514.3	
pH (4)	22250153 11/23	6.74	4	4.02	
pH (7)	2216893 11/23	7.18	7	7.06	
pH (10)	21320202 12/23	7.56	10	10.05	
ORP (mV)	21390144 11/23	7.24	228	247.1	

		Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU		0	0.00	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU		1	0.84	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU		10	9.59	+/- 0.5 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	14.32	4	4.10	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check	14.60	7	6.99	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check	15.31	10	10.15	+/- 0.1 SU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician William Lauker	Date 2/14/23	Time (Calibration) 8:43	Time (Mid-day Check) 15:15
AguaTroll SN 789301	Turbidity Meter Type LaMotte 2020	SN 7042-3818	
Project Feb 2023 LF Semi	Weather Conditions 69°/32° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				103.33	
Specific Conductance (µS/cm)	22250153 11/23	8.95	4490	4383.9	
pH (4)	22250153 11/23	8.94	4	4.02	
pH (7)	2216893 11/23	8.12	7	7.12	
pH (10)	21320202 12/23	6.68	10	10.20	
ORP (mV)	21390144 11/23	7.01	228	233.8	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.74	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.87	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.89	4	4.12	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	19.15	7	7.18	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	22.02	10	10.21	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/15/23	Time (Calibration): 0830	Time (Mid-day Check): 1525
AquaTroll SN: 893479	Turbidity Meter Type: la motte		SN: 9453-4417
Project: Bowen LF	Weather Conditions: 55° Rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				101.17	
Specific Conductance (µS/cm)	22250153 11/23	13.56	4490	4648	
pH (4)	22250153 11/23	13.63	4	3.88	
pH (7)	2216893 11/23	13.82	7	7.14	
pH (10)	21320202 12/23	13.78	10	10.01	
ORP (mV)	21390144 11/23	13.73	228	241.4	

		Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU		0	0.04	+/-0.5 NTU	Yes No	
Turbidity 1 NTU		1	0.81	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU		10	9.98	+/- 0.5 NTU	Yes No	

		Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check		15.56	4	4.08	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check		15.41	7	7.21	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check		15.40	10	10.34	+/- 0.1 SU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician <u>William Lacker</u>	Date <u>8/2/15/23</u>	Time (Calibration) <u>8:30</u>	Time (Mid-day Check) <u>15:25</u>
AquaTroll SN <u>789301</u>	Turbidity Meter Type <u>LaMotte 2020</u>	SN <u>7042-3818</u>	
Project <u>Feb 2023 LF Semi</u>	Weather Conditions <u>63°/54° cloudy 50% rain</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				<u>95.53</u>	
Specific Conductance (µS/cm)	<u>22250153 11/23</u>	<u>15.20</u>	<u>4490</u>	<u>47230</u>	
pH (4)	<u>22250153 11/23</u>	<u>15.24</u>	<u>4</u>	<u>4.05</u>	
pH (7)	<u>2216893 11/23</u>	<u>15.46</u>	<u>7</u>	<u>7.06</u>	
pH (10)	<u>21320202 12/23</u>	<u>15.48</u>	<u>10</u>	<u>10.09</u>	
ORP (mV)	<u>21390144 11/23</u>	<u>15.40</u>	<u>228</u>	<u>2133</u>	

		Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU		<u>0</u>	<u>0.00</u>	<u>+/- 0.5 NTU</u>	Yes No	
Turbidity 1 NTU		<u>1</u>	<u>0.91</u>	<u>+/- 0.5 NTU</u>	Yes No	
Turbidity 10 NTU		<u>10</u>	<u>9.72</u>	<u>+/- 0.5 NTU</u>	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	<u>16.00</u>	<u>4</u>	<u>4.11</u>	<u>+/- 0.1 SU</u>	Yes No	
Mid-Day pH (7) check	<u>15.53</u>	<u>7</u>	<u>7.17</u>	<u>+/- 0.1 SU</u>	Yes No	
Mid-Day pH (10) check	<u>15.44</u>	<u>10</u>	<u>10.21</u>	<u>+/- 0.1 SU</u>	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/16/23	0830	1530
AquaTroll SN: 893479	Turbidity Meter Type: la Motte	SN: 9453-4417	
Project: Bowen LF	Weather Conditions: 61° Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				98.02	
Specific Conductance (µS/cm)	22250153 11/23	14.05	4490	4416.2	
pH (4)	22250153 11/23	14.13	4	4.05	
pH (7)	2216893 11/23	14.07	7	7.00	
pH (10)	21320202 12/23	14.04	10	10.03	
ORP (mV)	21390144 11/23	14.86	228	227.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.94	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.51	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	18.49	4	4.09	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	18.86	7	7.16	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	19.51	10	10.14	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lauker	Date: 2/16/23	Time (Calibration): 10:27	Time (Mid-day Check): 15:50
AquaTroll SN: 789301	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
Project: Feb. 2023 LF Semi	Weather Conditions: 72°/54° cloudy 50% rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				100.31	
Specific Conductance (µS/cm)	22250153 11/23	15.72	4490	4443.2	
pH (4)	22250153 11/23	15.98	4	4.01	
pH (7)	2216893 11/23	15.94	7	7.04	
pH (10)	21320202 12/23	15.96	10	10.08	
ORP (mV)	21390144 11/23	15.76	228	228.0	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.85	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.75	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	19.79	4	4.07	±0.1 SU	Yes	No	
Mid-Day pH (7) check	19.77	7	7.17	±0.1 SU	Yes	No	
Mid-Day pH (10) check	20.45	10	10.20	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <i>Meredith Duncan</i>	Date: <i>2/17/23</i>	Time (Calibration): <i>0830</i>	Time (Mid-day Check): <i>1330</i>
AquaTroll SN: <i>893479</i>	Turbidity Meter Type: <i>la motte</i>		SN: <i>9453-4417</i>
Project: <i>Bowen LF</i>	Weather Conditions: <i>48° cloudy</i>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				<i>101.01</i>	
Specific Conductance (µS/cm)	<i>22250153 11/23</i>	<i>16.03</i>	<i>4490</i>	<i>4490</i> <i>4610.01</i>	
pH (4)	<i>22250153 11/23</i>	<i>16.06</i>	<i>4</i>	<i>3.91</i>	
pH (7)	<i>2216893 11/23</i>	<i>16.57</i>	<i>7</i>	<i>6.91</i>	
pH (10)	<i>21320202 12/23</i>	<i>16.68</i>	<i>10</i>	<i>9.98</i>	
ORP (mV)	<i>21390144 11/23</i>	<i>16.48</i>	<i>228</i>	<i>224.1</i>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	<i>0</i>	<i>0.00</i>	<i>+/-0.5 NTU</i>	Yes	No	
Turbidity 1 NTU	<i>1</i>	<i>0.84</i>	<i>+/- 0.5 NTU</i>	Yes	No	
Turbidity 10 NTU	<i>10</i>	<i>9.83</i>	<i>+/- 0.5 NTU</i>	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<i>12.73</i>	<i>4</i>	<i>4.12</i>	<i>+/- 0.1 SU</i>	Yes	No	
Mid-Day pH (7) check	<i>12.53</i>	<i>7</i>	<i>7.16</i>	<i>+/- 0.1 SU</i>	Yes	No	
Mid-Day pH (10) check	<i>11.72</i>	<i>10</i>	<i>10.23</i>	<i>+/- 0.1 SU</i>	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician William Lacker	Date 2/17/23	Time (Calibration) 8:55	Time (Mid-day Check) 11:55
AquaTroll SN 789301	Turbidity Meter Type LaMotte 2020		SN
Project Feb 2023 LF Semi	Weather Conditions 77°/54° cloudy 50% rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				96.02	
Specific Conductance (µS/cm)	22250153 11/23	16.48	4490	4591.2	
pH (4)	22250153 11/23	16.52	4	4.08	
pH (7)	2216893 11/23	16.60	7	7.14	
pH (10)	21320202 12/23	16.51	10	10.22	
ORP (mV)	21390144 11/23	15.29	228	222.0	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.88	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.90	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	13.42	4	4.08	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	11.79	7	7.14	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	11.24	10	10.21	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Meredith Duncan</u>	Date: <u>2/20/23</u>	Time (Calibration): <u>0830</u>	Time (Mid-day Check): <u>0810</u>
AquaTroll SN: 863 <u>893479</u>	Turbidity Meter Type: <u>La Motte</u>		SN: <u>9453-4417</u>
Project: <u>Bowen LF</u>	Weather Conditions: <u>46° Sunny</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				101.53	
Specific Conductance (µS/cm)	22250153 11/23	9.57	4490	4322.1	
pH (4)	22250153 11/23	9.43	4	3.90	
pH (7)	2216893 11/23	8.86	7	6.93	
pH (10)	21320202 12/23	8.62	10	10.06	
ORP (mV)	21390144 11/23	9.33	228	238.1	

		Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU		0	0.00	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU		1	1.12	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU		10	9.50	+/- 0.5 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	18.35	4	4.19	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check	18.56	7	7.17	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check	19.94	10	10.19	+/- 0.1 SU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Laaker	Date: 2/20/23	Time (Calibration): 8:35	Time (Mid-day Check): 15:10
AquaTroll SN: 789301	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
Project: Feb. 2023 LF Semi	Weather Conditions: 71°/39° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				106.26	
Specific Conductance (µS/cm)	22250153 11/23	13.68	4490	4333.7	
pH (4)	22250153 11/23	13.81	4	3.97	
pH (7)	2216893 11/23	12.41	7	7.03	
pH (10)	21320202 12/23	12.26	10	10.11	
ORP (mV)	21390144 11/23	12.72	228	234.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.01	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10 9.71	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.60	4	4.17	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	18.65	7	7.15	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	18.97	10	10.15	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician William Laaker	Date 2/21/23	Time (Calibration) 8:15	Time (Mid-day Check) 15:45
AquaTroll SN 789301	Turbidity Meter Type LaMotte 2020	SN 7042-3818	
Project Feb. 2023 LF Semi	Weather Conditions 71°/61° cloudy 40% rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				93.59	
Specific Conductance (µS/cm)	22250153 11/23	17.54	4490	4633.9	
pH (4)	22250153 11/23	17.61	4	4.07	
pH (7)	2216893 11/23	17.81	7	7.09	
pH (10)	21320202 12/23	17.96	10	10.13	
ORP (mV)	21390144 11/23	17.99	228	215.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.91	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.71	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	21.24	4	4.08	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	20.48	7	7.18	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	19.49	10	10.22	+/- 0.1 SU	Yes	No	



EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/22/23	Time (Calibration): 0830	Time (Mid-day Check): 1351
AquaTroll SN: 893479	Turbidity Meter Type: la motte		SN: 9453-4417
Project: Bowen LF	Weather Conditions: 60° Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				99.67	
Specific Conductance (µS/cm)	22250153 11/23	17.06	4490	4622.3	
pH (4)	22250153 11/23	17.14	4	3.75	
pH (7)	2216893 11/23	16.94	7	6.67	
pH (10)	21320202 12/23	16.81	10	9.81	
ORP (mV)	21390144 11/23	17.15	228	239.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.06	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.13	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	22.05	4	4.12	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	21.83	7	7.18	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	22.8	10	10.17	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Laaker	Date: 2/22/23	Time (Calibration): 8:30	Time (Mid-day Check): 13:30
AquaTroll SN: 789301	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
Project: Feb. 2023 LF Semi	Weather Conditions: 79°/59° cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				102.97	
Specific Conductance (µS/cm)	22250153 11/23	17.00	4490	4481.0	
pH (4)	22250153 11/23	17.19	4	4.03	
pH (7)	2216893 11/23	17.49	7	7.06	
pH (10)	21320202 12/23	17.54	10	10.09	
ORP (mV)	21390144 11/23	17.52	228	227.7	

		Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU		0	0.00	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU		1	0.99	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU		10	9.86	+/- 0.5 NTU	Yes No	

		Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check		23.79	4	4.08	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check		23.28	7	7.08	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check		23.96	10	10.10	+/- 0.1 SU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician <i>William Lawler</i>	Date <i>3/16/23</i>	Time (Calibration) <i>10:35</i>	Time (Mid-day Check) <i>12:35</i>
AquaTroll SN <i>789301</i>	Turbidity Meter Type <i>LaMotte 2020</i>	SN <i>7042-3818</i>	
Project <i>March 2023 LF Re-Sample</i>	Weather Conditions <i>68°/30° sunny</i>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				103.97	
Specific Conductance (µS/cm)	22250153 11/23	15.57	4490	3935.2	
pH (4)	22250153 11/23	15.80	4	4.23	
pH (7)	2216893 11/23	15.79	7	7.03	
pH (10)	21320202 12/23	15.60	10	10.33	
ORP (mV)	21390144 11/23	15.80	228	211.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.04	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.84	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	19.91	4	4.07	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	19.75	7	7.10	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	20.11	10	10.12	+/- 0.1 SU	Yes	No	

Field Technician: Meredith Duncan	Date: 4/11/23	Time (Calibration): 0830	Time (Mid-day Check): 1030
AquaTroll SN: 893479	Turbidity Meter Type: la Motte	SN: 2068-0320	
Project: Bowen Resample 4/23	Weather Conditions: 41°		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air cal)				99.32	
Specific Conductance (µS/cm)	22250153 11/23	14.16	4490	4989.1	
pH (4)	22250153 11/23	14.46	4	4.01	
pH (7)	2216893 11/23	14.25	7	7.05	
pH (10)	21320202 12/23	13.85	10	10.12	
ORP (mV)	21390144 11/23	13.46	228	251.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	0	0.02	±0.5 NTU	Yes No	
Turbidity 1 NTU	1	0.92	±0.5 NTU	Yes No	
Turbidity 10 NTU	10	9.56	±0.5 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	14.72	4	4.11	±0.1 SU	Yes No	
Mid-Day pH (7) check	14.80	7	7.18	±0.1 SU	Yes No	
Mid-Day pH (10) check	15.10	10	10.12	±0.1 SU	Yes No	

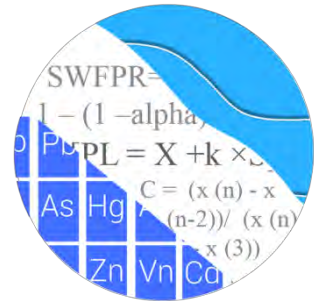
APPENDIX E STATISTICAL RESULTS



GROUNDWATER STATS CONSULTING

August 31, 2023

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd. NE, Bin 10160
Atlanta, Georgia 30308-3374



Re: Plant Bowen Landfill Cells 1, 2, 9, and 10
Statistical Analysis – February 2023 Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the February 2023 sample event for Georgia Power Company's Plant Bowen Landfill Cells 1, 2, 9, and 10. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-1, GWA-2, GWA-2R, GWA-3A GWA-4RZ, GWA-39RZ, GWA-39Z, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43, GWA-43R, GWA-50R, and GWA-50
- **Downgradient wells:** GWC-5, GWC-6, GWC-6RZ, GWC-7Z, GWC-8RR, GWC-8Z, GWC-9, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-12, GWC-13, GWC-13RZ, GWC-14Z, GWC-15R, GWC-15Z, GWC-44, GWC-45, GWC-45R, GWC-46R, GWC-47, GWC-47R, GWC-48, GWC-49R, and GWC-49Z

Note that well GWA-3 was replaced with GWA-3A, which was first sampled in March 2021. As requested, data from well GWA-3 have been combined with data from replacement

well GWA-3A. No significant changes in statistical limits resulted from these revised measurements.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Senior Statistician to Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The following constituents are evaluated:

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix I:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that the terms “parameters” and “constituents” are interchangeable throughout this report. When there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% non-detects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

Due to varying detection limits in background data sets, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contains varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case.

Reporting limit changes may occur depending on laboratory capabilities. In the case of beryllium and mercury, a change in laboratories resulted in a decrease in the respective reporting limits. The historic reporting limit of 0.003 mg/L for beryllium and 0.0005 mg/L

for mercury were substituted in place of the most recent reporting limits of 0.0005 mg/L for beryllium and 0.0002 mg/L for mercury, as requested by Stantec, to be consistent with previous statistical limits.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves are provided to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. A few well/constituent pairs have a limited background data set with a minimum of 11 observations due either to sampling or truncation of background date ranges. As more samples are collected, these well/constituent pairs will meet the minimum power requirements. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Appendix I Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc)
- Interwell Prediction Limits with 1-of-2 resample plan (beryllium, mercury, and thallium)
- # Constituents: 16
- # Downgradient wells: 26

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (boron, calcium, fluoride, sulfate, TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (chloride and pH)
- # Constituents: 7
- # Downgradient wells: 26

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual

event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects.
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is higher than the desired annual sitewide rate of

10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample exceeds the intrawell prediction limit (United State Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an apparent intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

Appendix I & Appendix III Background Screening & Update – Conducted in April 2022

Outlier Analysis

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate data at all wells through February 2022. Tukey's test identified several potential outliers and confirmed previously flagged values. Some identified values were not flagged because they appeared to be representative of natural variation. High values that were not identified by Tukey's test but flagged as outliers reduced variation among background datasets and resulted in statistical limits that are conservative (in most cases, lower) from a regulatory perspective. Note that previously flagged values for antimony at upgradient wells GWA-1 and GWA-2 along with downgradient well GWC-11R were unflagged during the background update as more recent values were of similar concentration. As mentioned above, any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. Summary tables of all flagged values follow this report (Figure C).

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. The ANOVA identified variation for all Appendix I & III parameters except for mercury and thallium; therefore, mercury and thallium will be tested with interwell statistical methods.

All parameters were further evaluated as described for the appropriateness of intrawell testing to accommodate the groundwater quality. A summary table of the ANOVA results is included with the reports.

Eligibility of Intrawell Methods

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are conservative (i.e., lower) from a regulatory perspective, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility. Prior to performing intrawell prediction limits, several steps are required to reasonably demonstrate downgradient water quality does not have existing impacts from the practices of the facility.

Exploratory data analysis was used as a general comparison of concentrations in downgradient wells for all Appendix I and III parameters recommended for intrawell analyses to concentrations reported in upgradient wells. Upper tolerance limits are used in conjunction with confidence intervals to determine whether the estimated averages in downgradient wells are higher than observed levels upgradient of the facility. Upper tolerance limits estimate an upper percentile (in this case the 99th percentile) with known confidence level and thus represent the upper range of likely background values. Tolerance limits are similar to prediction limits that are used for detection monitoring, but tolerance limits are constructed to contain a given fraction of the background population whereas prediction limits are constructed to contain a given number of future observations with known confidence level.

In cases where downgradient average concentrations are higher than observed concentrations upgradient for a given constituent, an independent study and hydrogeological investigation would be required to identify local geochemical conditions and expected groundwater quality for the region to justify an intrawell approach. Such an assessment is beyond the scope of services provided by Groundwater Stats Consulting. When there is not an obvious explanation for observed concentration differences in downgradient wells relative to reported concentrations in upgradient wells, interwell prediction limits will initially be selected for the statistical method until further evidence shows that concentrations are due to natural variation rather than a result of the facility.

Upper Tolerance Limits

Parametric tolerance limits were constructed with a target of 99% confidence and 95% coverage using pooled upgradient well data for each of the Appendix III parameters. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. As more data are collected, the background population is better represented and the confidence and coverage levels for nonparametric tolerance limits increase.

Confidence Intervals

Confidence intervals were constructed on downgradient wells for each of the Appendix I & III parameters, using the tolerance limits discussed above, to determine intrawell eligibility. When the entire confidence interval is above a background standard for a given parameter, interwell methods are initially recommended as the statistical method. Therefore, only parameters with confidence intervals which did not exceed background standards are eligible for intrawell prediction limits. Note that well/constituent pairs with 100% non-detects were deselected prior to construction of confidence intervals, and a list of these well/constituent pairs follows this report.

Confidence intervals for Appendix I & III parameters exceeded their respective background limits for beryllium, chloride, and pH. Therefore, for Appendix I parameters, interwell methods are recommended for: beryllium, mercury, and thallium. Intrawell methods are recommended for antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc. For Appendix III parameters, interwell methods are recommended for chloride and pH. Intrawell methods are recommended for boron, calcium, fluoride, sulfate, and TDS.

Mann-Whitney - Intrawell

For constituents requiring intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through September 2018 for Appendix I constituents and through September 2019 for Appendix III constituents to the medians of the new compliance samples at each well through August 2021. Previously truncated data sets discussed above were also compared to the most recent set of measurements through August 2021. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Note that no reports were produced for several well/constituent pairs as there was no variation in the data. Additionally, no Mann-Whitney test was run for barium at downgradient well GWC-13RZ since this

well/constituent pair has been historically evaluated with a trend test in lieu of prediction limits due to due to steadily increasing data since early 2016.

Several statistically significant differences were found between the two groups for the Appendix I and III constituents. Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless updating results in the same or more conservative limits, or it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians.

Statistically significant increasing medians were found for the following well/constituent pairs:

Appendix I:

- Barium: GWA-2R, GWA-4RZ (both upgradient), GWC-11R, and GWC-49R
- Cobalt: GWA-4RZ (upgradient)
- Zinc: GWC-47 and GWC-47R

Appendix III:

- Sulfate: GWC-14Z

These well/constituent pairs each had their respective records updated with compliance data and are discussed below.

For upgradient well/constituent pairs with significant increases in medians (barium in GWA-2R and GWA-4RZ and cobalt in GWA-4RZ), the increases in concentrations are, reportedly, not related to the facility and, therefore, represent background conditions. For barium in downgradient well GWC-11R and sulfate in downgradient well GWC-14Z, the concentrations are relatively low, and updating does not result in a high limit compared to upgradient wells. For barium in downgradient well GWC-49R, the compliance samples remain within range of concentrations upgradient of the facility and the pattern is very similar to that of upgradient well GWA-4RZ which has higher reported concentrations; therefore, this well/constituent pair was updated. Regarding zinc in downgradient wells GWC-47 and GWC-47R, the most recent concentrations in these wells are, reportedly, due to variation in groundwater quality, are somewhat similar to historical concentrations detected in these wells, are marginally higher than the current reporting limit, and remain

within the range of upgradient concentrations; therefore, these well/constituent pairs were updated.

A large number of well/constituent pairs for Appendix I and Appendix III constituents had statistically significant decreasing medians in more recent data. The significant cases are listed in the summary tables for Appendix I and Appendix III Mann-Whitney results. In most cases with significant results, the differences were relatively small, the most recent measurements were similar to measurements in the early part of the record, or the update resulted in the same or more conservative limits. Therefore, the majority of these records were updated. Except for pH, which has both an upper and lower prediction limit, decreasing differences will generally result in more conservative limits. For parametric limits, however, a decreasing difference can result in higher variance, which tends to increase the limit. For the following cases, earlier portions of the records were truncated to reduce variability among background data, utilize concentrations that appear to have stabilized, and remove elevated historical concentrations:

Appendix I:

- Vanadium: GWC-15Z
- Zinc: GWC-5

Appendix III:

- Calcium: GWC-49Z
- Sulfate: GWC-49Z

Any adjustments are shown in the Date Range Table in addition to adjustments listed for chromium, copper, and nickel from previous analysis.

Upgradient Well Trend Tests – Interwell

The Sen's Slope/Mann Kendall trend test was used to evaluate data at upgradient wells for each of the parameters tested using interwell prediction limits--beryllium, mercury, and thallium (Appendix I), and chloride and pH (Appendix III) to identify statistically significant increasing or decreasing trends in background. The results of the trend analyses showed no statistically significant increasing or decreasing trends for Appendix I constituents. For the Appendix III constituents, no statistically significant increasing trends were identified. The following statistically significant decreasing trends were noted:

- Chloride: GWA-1, GWA-39Z, GWA-41, and GWA-41R
- pH: GWA-2R, GWA-41R, GWA-43, GWA-50, and GWA-50R

Truncation of upgradient well records to remove decreasing trends should be done with caution since the higher concentrations could appear in future years at downgradient wells in the absence of facility impacts. Therefore, no adjustments were made at this time. While no statistically significant trend was identified for pH in upgradient well GWA-3A, it was noted that the more recent reported measurements are higher than those reported historically. Concentrations of pH in this well will continue to be monitored and further studies may be required to determine the cause of the increasing concentrations.

Evaluation of Georgia EPD Appendix I Constituents – February 2023

Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, for antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc were constructed using all available data through August 2021, except for the cases mentioned above and listed in the Date Range Table. Compliance data from the February 2023 sample event were compared to these limits (Figure D). No statistical analyses were included for well/constituent pairs with 100% non-detects and a list of those well/constituent pairs follows this letter.

As discussed earlier, the most recent reporting limit is substituted on a well-by-well basis for computing intrawell prediction limits. Therefore, individual wells can have different substitutions for a given parameter depending on what the laboratory has reported for each well. Note that the intrawell prediction limit changed for chromium at GWC-8Z and cobalt at GWC-7Z as a result of the most recent reporting limit replacing historic non-detects. No statistical exceedances resulted from the lower statistical limits for these well/constituent pairs.

For some well/constituent pairs containing <15% non-detects such as chromium at GWC-46R, nickel at GWA-3A, and zinc at wells GWA-3A and GWC-12, parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant

increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. Summaries of the Georgia EPD Appendix I prediction limits follow this report. Exceedances were identified for the following well/constituent pairs:

- Antimony: GWA-1 (upgradient), GWA-41R (upgradient), and GWC-49R
- Chromium: GWC-45R
- Copper: GWC-44
- Nickel: GWC-48

Two-Step Approach

When interwell prediction limits were constructed for the apparent intrawell prediction limit exceedances in downgradient wells, no exceedances were identified (Figure E). Values that exceed intrawell background limits are further evaluated using trend tests as discussed below.

Interwell Prediction Limits

For beryllium, mercury, and thallium interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through February 2023. Results and a summary table follow this report (Figure F). Regarding beryllium and mercury, prediction limits were set at the reporting limits of 0.003 mg/L and 0.0005 mg/L.

Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2023 sample from each downgradient well was compared to the background limit to determine whether exceedances over background are present. An exceedance was identified for the following well/constituent pair:

- Mercury: GWC-48

Trend Tests

When an exceedance occurs in a downgradient well, the exceedance is further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level--whether or not the exceedance is confirmed as an SSI--in addition to interwell prediction limits in accordance with the two-step analysis. Upgradient wells are included in the trend analyses

to identify whether similar patterns exist upgradient of the site. As mentioned above, a trend test was included to evaluate concentrations for barium in well GWC-13RZ in lieu of prediction limits. That trend test, along with trend tests for upgradient wells, follows this report (Figure G). Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Barium: GWA-4RZ (upgradient) and GWC-13RZ

Decreasing

- Barium: GWA-1, GWA-43, GWA-43R, GWA-50, and GWA-50R (all upgradient)
- Copper: GWA-3A, GWA-50, and GWA-50R (all upgradient)
- Nickel: GWA-3A, GWA-50, and GWA-50R (all upgradient)

Note that for barium in downgradient well GWC-13RZ, although the trend test shows an overall increasing trend over the study period, there is a noted increase during 2016-17. Current concentrations appear to be stable since early 2018.

Evaluation of CCR Appendix III Parameters – February 2023

Intrawell Prediction Limits

For boron, calcium, fluoride, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through August 2021. Results and a summary table follow this report. The February 2023 sample from each downgradient well was compared its respective background limit to determine whether exceedances over background are present (Figure H). Note that the reporting limit for TDS at wells GWA-50R increased from 10 mg/L to 25 mg/L and resulted in slightly lower prediction limits than those established during the background update. No significant changes occurred as a result of the reporting limit increase.

As mentioned above, for some well/constituent pairs containing <15% non-detects such as TDS at GWC-9, parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation.

Exceedances were identified for the following well/constituent pairs:

- Calcium: GWA-3A (upgradient) and GWC-45R
- Sulfate: GWA-2R (upgradient) and GWC-45R
- TDS: GWA-42 (upgradient) and GWC-13

Two-Step Approach

When interwell prediction limits were constructed (Figure I) for the apparent intrawell prediction limit exceedances in downgradient wells, the following exceedance was noted:

- TDS: GWC-13

Note that the concentrations for many downgradient wells at this site are small in absolute terms and are much smaller than those reported in the upgradient wells. Thus, very large increases at those wells would be required to exceed the interwell limits. In cases such as this, additional studies would be required to fully understand the groundwater quality. In addition to the two-step method, observations that exceeded intrawell background limits are further evaluated using trend tests as discussed below. If upward trends are found and persist, a separate geochemical and hydrologic investigation of the exceedances may be required to determine whether facility impacts have occurred.

Interwell Prediction Limits

For chloride and pH, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through February 2023. Results and a summary table follow this report. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent.

During this analysis, a previously flagged value for pH in upgradient well GWA-41R was unflagged as a similar value was observed upgradient of the facility for the February 2023 sample event in upgradient well GWA-3A. Note that high values early in the record for pH at downgradient wells GWC-13RZ and GWC-14Z were flagged; however, flagging these values did not impact statistical limits because the observations were among downgradient wells.

Nonparametric prediction limits were constructed as the background data for chloride and pH did not follow a normal or transformed-normal distributed when tested using the Chi-Squared normality test. The February 2023 sample from each downgradient well was compared to the background limit to determine whether exceedances over background

are present (Figure J). Exceedances were identified for the following downgradient well/constituent pairs:

- pH (lower limit): GWC-9, GWC-44, and GWC-45

Trend Tests

Data from downgradient well/constituent pairs found to exceed their respective prediction limits were further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level along with upgradient wells for the same constituents. A summary of the trend test results follows this letter (Figure K). Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Calcium: GWA-1, GWA-2R, GWA-42, GWA-4RZ (all upgradient), and GWC-45R
- Sulfate: GWC-45R

Decreasing

- Calcium: GWA-43 and GWA-50R (both upgradient)
- pH: GWA-1, GWA-2R, GWA-40, GWA-41R, GWA-43, GWA-50, GWA-50R (all upgradient), GWC-9, GWC-44, and GWC-45
- Sulfate: GWA-1, GWA-39Z, GWA-43R, and GWA-50R (all upgradient)
- TDS: GWA-43 (upgradient)

Chloride Intrawell Prediction Limits

While interwell prediction limits were initially recommended in 2015 to evaluate chloride, more recent evidence provided by Stantec Consultants suggests that intrawell prediction limits are appropriate for this constituent due to variation in groundwater quality unrelated to practices at the landfill. Additionally, more recent reported concentrations at downgradient well GWC-48 are similar to those reported historically at upgradient well GWA-43R, and concentrations at all wells are less than the established Maximum Contaminant Limit of 250 mg/L. When an intrawell prediction limit was constructed to evaluate chloride at well GWC-48 (Figure L), the following exceedance was identified:

- Chloride: GWC-48

Since more recent concentrations of chloride at this well appear to represent natural variation in groundwater quality, as more data are collected, the background data set

used to establish the intrawell prediction limit will be re-evaluated for updating the limit to use more recent and stable measurements during the next background update.

Resample Reports – March & April 2023

Resamples were collected in March 2023 for the initial prediction limit exceedances of chloride and mercury in well GWC-48, as well as a resample collected in April 2023 for the initial prediction exceedance of TDS in well GWC-13. Note that pH was also sampled for these wells. Time series and box plots were constructed for well/constituent pairs that were resampled, along with data from all upgradient wells for the same constituents (Figures M and N, respectively). When an intrawell prediction limit was constructed through August 2021 to evaluate the resample for TDS at well GWC-13 (Figure O), no exceedance was identified; therefore, no further action is necessary.

When interwell prediction limits were constructed using pooled upgradient well data through February 2023 to evaluate the resamples for chloride and pH, as well as mercury (Figures P and Q), an exceedance was identified for the following well/constituent pair:

- pH (lower limit): GWC-48

Chloride Intrawell Prediction Limits - Resample

Based on the intrawell prediction limit for chloride at well GWC-48 as discussed above, an intrawell prediction limit was constructed to evaluate the March 2023 resample (Figure R), and the following exceedance was identified:

- Chloride: GWC-48

Summary

Georgia EPD Appendix I

Based on the results of the Appendix I prediction limits, the two-step approach, and resample reports, no exceedances were identified.

CCR Appendix III

Based on the results of the Appendix III constituents requiring either intrawell or interwell prediction limits, after testing the apparent intrawell exceedances among downgradient

wells using the two-step approach, and the resample reports, the following exceedances were identified:

Appendix III Intrawell

- None

Appendix III Interwell

- pH (lower limit): GWC-9, GWC-44, GWC-45, and GWC-48

Trend tests were performed for all exceedances and corresponding upgradient wells. Results were presented in the corresponding tables.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill Cells 1, 2, 9 and 10. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

Date Ranges

Date: 3/31/2023 2:52 PM

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Calcium, total (mg/L)

GWC-49Z background:7/28/2016-8/5/2021

Chromium (mg/L)

GWC-11R background:4/12/2011-8/11/2021

Copper (mg/L)

GWA-50R background:4/14/2014-8/9/2021

Nickel (mg/L)

GWA-50R background:4/14/2014-8/9/2021

Sulfate, total (mg/L)

GWC-49Z background:9/21/2016-8/5/2021

Vanadium (mg/L)

GWC-15Z background:4/27/2010-8/11/2021

Zinc (mg/L)

GWC-5 background:3/31/2015-8/9/2021

100% Non-Detects: Appendix I

Analysis Run 3/27/2023 1:39 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Antimony (mg/L)
GWA-2, GWC-10

Arsenic (mg/L)
GWA-41, GWA-42, GWA-50, GWA-50R, GWC-45, GWC-48, GWC-49Z

Cadmium (mg/L)
GWA-2, GWA-2R, GWA-3A, GWA-40, GWA-41, GWA-41R, GWA-43R, GWA-4RZ, GWA-50R, GWC-11, GWC-13, GWC-13RZ, GWC-15Z, GWC-45, GWC-46R, GWC-49R, GWC-6RZ, GWC-8RR, GWC-9

Chromium (mg/L)
GWA-4RZ

Cobalt (mg/L)
GWA-40, GWA-41, GWA-43R, GWA-50, GWC-10R, GWC-45R, GWC-47, GWC-47R, GWC-49R, GWC-6RZ

Copper (mg/L)
GWC-49R

Lead (mg/L)
GWA-3A, GWC-12, GWC-46R, GWC-49R

Nickel (mg/L)
GWA-40, GWC-6RZ

Selenium (mg/L)
GWA-1, GWA-39RZ, GWA-39Z, GWA-3A, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43R, GWA-4RZ, GWA-50, GWA-50R, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-12, GWC-15Z, GWC-45, GWC-45R, GWC-47, GWC-47R, GWC-49R, GWC-49Z, GWC-6, GWC-7Z, GWC-8RR

Silver (mg/L)
GWA-1, GWA-2, GWA-2R, GWA-39Z, GWA-3A, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43, GWA-43R, GWA-4RZ, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-13, GWC-14Z, GWC-15R, GWC-15Z, GWC-44, GWC-45, GWC-45R, GWC-46R, GWC-47, GWC-47R, GWC-48, GWC-49R, GWC-49Z, GWC-5, GWC-6, GWC-6RZ, GWC-7Z, GWC-8RR, GWC-8Z, GWC-9

Vanadium (mg/L)
GWA-39Z, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-50, GWC-10R, GWC-44, GWC-45R, GWC-46R, GWC-47, GWC-48, GWC-49R, GWC-49Z, GWC-6RZ, GWC-7Z

Appendix I Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.016	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-41R	0.0037	n/a	2/13/2023	0.0045	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49R	0.0033	n/a	2/14/2023	0.0037	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.0058	Yes	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0054	Yes	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	2/14/2023	0.0058	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.016	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-2R	0.011	n/a	2/16/2023	0.0048	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-39RZ	0.009814	n/a	2/14/2023	0.0019J	No	15	0.00252	0.002352	20	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-39Z	0.003788	n/a	2/13/2023	0.00087J	No	17	0.00115	0.0008886	29.41	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-3A	0.0068	n/a	2/17/2023	0.003ND	No	37	n/a	n/a	64.86	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-40	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41R	0.0037	n/a	2/13/2023	0.0045	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-42	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43R	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.003	n/a	2/17/2023	0.003ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-50	0.003	n/a	2/16/2023	0.003ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-50R	0.003	n/a	2/16/2023	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.003	n/a	2/20/2023	0.003ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.003	n/a	2/20/2023	0.003ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.012	n/a	2/20/2023	0.003ND	No	39	n/a	n/a	69.23	n/a	n/a	0.001226	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.003	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13RZ	0.00447	n/a	2/22/2023	0.003ND	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-14Z	0.005	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.0106	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	50	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-15Z	0.0053	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-45	0.006586	n/a	2/14/2023	0.003ND	No	17	0.03948	0.01404	23.53	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-45R	0.004265	n/a	2/14/2023	0.003ND	No	17	0.001357	0.0009798	47.06	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-46R	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47R	0.002535	n/a	2/14/2023	0.0022J	No	17	-7.189	0.4083	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-48	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49R	0.0033	n/a	2/14/2023	0.0037	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49Z	0.003623	n/a	2/14/2023	0.003ND	No	17	-6.797	0.3965	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-5	0.003	n/a	2/20/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.0035	n/a	2/17/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.003	n/a	2/17/2023	0.003ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-7Z	0.003	n/a	2/20/2023	0.0012J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.003	n/a	2/21/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002867	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8Z	0.003	n/a	2/20/2023	0.003ND	No	21	n/a	n/a	100	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	2/21/2023	0.003ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2	0.005	n/a	2/16/2023	0.005ND	No	37	n/a	n/a	100	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3A	0.005	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.005571	n/a	2/17/2023	0.005ND	No	17	-6.903	0.5772	23.53	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-10	0.0079	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-10R	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	42.11	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-12	0.012	n/a	2/21/2023	0.0094J	No	37	n/a	n/a	24.32	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-13	0.0096	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-13RZ	0.0066	n/a	2/22/2023	0.0031J	No	36	n/a	n/a	58.33	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	GWC-14Z	0.0079	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15Z	0.0077	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6	0.005	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7Z	0.004641	n/a	2/20/2023	0.005ND	No	17	0.001929	0.0009137	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.0086	n/a	2/21/2023	0.0028J	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.04502	n/a	2/16/2023	0.018	No	37	-3.909	0.3174	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.05141	n/a	2/16/2023	0.029	No	36	0.0209	0.01195	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2R	0.03451	n/a	2/16/2023	0.028	No	36	0.2237	0.03988	0	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39RZ	0.02768	n/a	2/14/2023	0.014	No	16	0.1268	0.01313	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39Z	0.03941	n/a	2/13/2023	0.018	No	17	0.01411	0.008521	5.882	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-3A	0.009084	n/a	2/17/2023	0.0065	No	28	0.005744	0.001261	3.571	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-40	0.01278	n/a	2/13/2023	0.0075	No	17	0.008742	0.001361	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41	0.03723	n/a	2/13/2023	0.029	No	17	0.02557	0.003928	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41R	0.05668	n/a	2/13/2023	0.028	No	17	0.02492	0.0107	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-42	0.007092	n/a	2/13/2023	0.0061	No	17	0.006289	0.0002707	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43	0.04685	n/a	2/14/2023	0.011	No	17	0.02083	0.008765	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43R	0.009608	n/a	2/13/2023	0.0064	No	17	0.007821	0.0006022	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.05645	n/a	2/17/2023	0.043	No	17	0.03282	0.00796	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50	0.01772	n/a	2/16/2023	0.0067	No	31	0.00959	0.00312	3.226	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50R	0.02271	n/a	2/16/2023	0.0081	No	29	0.01407	0.00328	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10	0.03628	n/a	2/20/2023	0.02	No	35	0.1368	0.02096	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10R	0.0369	n/a	2/20/2023	0.024	No	38	0.02421	0.005	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-11	0.036	n/a	2/20/2023	0.0071	No	37	n/a	n/a	2.703	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-11R	0.02549	n/a	2/20/2023	0.02	No	38	0.01365	0.004665	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-12	0.07	n/a	2/21/2023	0.023	No	34	n/a	n/a	0	n/a	n/a	0.001599	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-13	0.05665	n/a	2/22/2023	0.022	No	36	0.02799	0.01122	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-14Z	0.05513	n/a	2/22/2023	0.014	No	34	0.134	0.03917	5.882	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15R	0.0322	n/a	2/22/2023	0.016	No	37	0.02379	0.003303	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15Z	0.02357	n/a	2/22/2023	0.01	No	37	0.01126	0.004835	2.703	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-44	0.09923	n/a	2/14/2023	0.042	No	17	0.04132	0.01951	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45	0.006752	n/a	2/14/2023	0.0067	No	17	0.005923	0.0002794	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45R	0.02752	n/a	2/14/2023	0.025	No	17	0.02092	0.002221	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-46R	0.02323	n/a	2/14/2023	0.011	No	17	-4.239	0.1605	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47	0.02056	n/a	2/14/2023	0.0075	No	17	0.01184	0.002938	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47R	0.0365	n/a	2/14/2023	0.0072	No	17	-4.549	0.4172	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-48	0.04387	n/a	2/14/2023	0.04	No	18	0.0008705	0.0003606	5.556	None	x^2	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49R	0.03583	n/a	2/14/2023	0.013	No	17	-4.444	0.3757	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49Z	0.0178	n/a	2/14/2023	0.0041J	No	17	0.1729	0.02972	5.882	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.02799	n/a	2/20/2023	0.012	No	37	0.01756	0.004096	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.02931	n/a	2/17/2023	0.0067	No	35	0.2239	0.03294	2.857	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-6RZ	0.01787	n/a	2/17/2023	0.0067	No	21	0.0946	0.01394	4.762	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-7Z	0.04219	n/a	2/20/2023	0.015	No	17	0.02581	0.00552	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	2/21/2023	0.011	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-8Z	0.06382	n/a	2/20/2023	0.024	No	21	-3.57	0.2917	0	None	ln(x)	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-9	0.05337	n/a	2/21/2023	0.042	No	34	0.03874	0.005686	0	None	No	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWA-1	0.00076	n/a	2/16/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39RZ	0.0005	n/a	2/14/2023	0.0005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39Z	0.0005	n/a	2/13/2023	0.0005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-42	0.0005	n/a	2/13/2023	0.0005ND	No	17	n/a	n/a	11.76	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cadmium (mg/L)	GWA-43	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-50	0.0005	n/a	2/16/2023	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.00056	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-12	0.001	n/a	2/21/2023	0.0004J	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-14Z	0.0005	n/a	2/22/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.0005	n/a	2/22/2023	0.0005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-44	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-45R	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47R	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-48	0.0005469	n/a	2/14/2023	0.00015J	No	17	-8.602	0.3675	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWC-49Z	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-5	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-6	0.0005	n/a	2/17/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7Z	0.0005	n/a	2/20/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8Z	0.0005	n/a	2/20/2023	0.0005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.012	n/a	2/16/2023	0.005ND	No	35	n/a	n/a	74.29	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.009	n/a	2/16/2023	0.005ND	No	35	n/a	n/a	65.71	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	2/16/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3A	0.012	n/a	2/17/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41	0.015	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.0016J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	87.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.034	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-10R	0.01	n/a	2/20/2023	0.005ND	No	36	n/a	n/a	77.78	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.01362	n/a	2/20/2023	0.0015J	No	37	0.005363	0.003241	29.73	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-11R	0.02445	n/a	2/20/2023	0.0037J	No	27	0.199	0.03424	3.704	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.03	n/a	2/21/2023	0.005ND	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-13	0.035	n/a	2/22/2023	0.0038J	No	38	n/a	n/a	0	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.0024J	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-14Z	0.01565	n/a	2/22/2023	0.005ND	No	36	0.05769	0.0264	30.56	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-15R	0.014	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	59.46	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15Z	0.027	n/a	2/22/2023	0.0014J	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0015J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.0058	Yes	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-46R	0.008155	n/a	2/14/2023	0.005J	No	18	0.003333	0.00165	16.67	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-47	0.007262	n/a	2/14/2023	0.0018J	No	17	-6.245	0.4447	11.76	None	ln(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-47R	0.018	n/a	2/14/2023	0.0027J	No	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-48	0.01	n/a	2/14/2023	0.0019J	No	17	n/a	n/a	29.41	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-49Z	0.00778	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.032	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	55.26	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.027	n/a	2/17/2023	0.0031J	No	37	n/a	n/a	27.03	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.01	n/a	2/17/2023	0.0022J	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.0012J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8RR	0.01	n/a	2/21/2023	0.0053	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-9	0.018	n/a	2/21/2023	0.005ND	No	36	n/a	n/a	80.56	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2R	0.005	n/a	2/16/2023	0.00065J	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39RZ	0.0057	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39Z	0.0104	n/a	2/13/2023	0.005ND	No	17	0.04156	0.02036	29.41	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-3A	0.0057	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	40.54	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.00039J	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.03012	n/a	2/17/2023	0.017	No	17	0.01064	0.006563	5.882	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-50R	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	81.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-10	0.013	n/a	2/20/2023	0.0026J	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11	0.016	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.005	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-12	0.01	n/a	2/21/2023	0.0029J	No	37	n/a	n/a	8.108	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-13	0.011	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-13RZ	0.0079	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-14Z	0.011	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15Z	0.005	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0014J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.0012J	No	17	n/a	n/a	11.76	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.0025J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-49Z	0.008028	n/a	2/14/2023	0.00096J	No	17	0.003094	0.001662	11.76	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWC-5	0.0073	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-6	0.005	n/a	2/17/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-9	0.0067	n/a	2/21/2023	0.00043J	No	37	n/a	n/a	72.97	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.0094	n/a	2/16/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.013	n/a	2/16/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.013	n/a	2/16/2023	0.0011J	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39RZ	0.011	n/a	2/14/2023	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3A	0.06311	n/a	2/17/2023	0.0025ND	No	32	0.03315	0.01155	6.25	None	No	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.0012J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4RZ	0.005	n/a	2/17/2023	0.005ND	No	10	n/a	n/a	70	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-50	0.02262	n/a	2/16/2023	0.0015J	No	27	0.07647	0.02773	14.81	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-50R	0.02138	n/a	2/16/2023	0.0028J	No	16	-5.507	0.5512	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-10	0.006	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-10R	0.007	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.013	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.019	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-12	0.0067	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.005	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13RZ	0.013	n/a	2/22/2023	0.0014J	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14Z	0.0056	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.02	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15Z	0.021	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0054	Yes	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45	0.012	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.0016J	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-49Z	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.07478	n/a	2/20/2023	0.023	No	32	0.1527	0.04654	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-6	0.0069	n/a	2/17/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	11	n/a	n/a	63.64	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.01	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	66.67	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.0028	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.002536	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2R	0.001	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39RZ	0.0011	n/a	2/14/2023	0.001ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39Z	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-40	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41R	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-42	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43R	0.0038	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.001	n/a	2/17/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50	0.001	n/a	2/16/2023	0.001ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.0012	n/a	2/16/2023	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10R	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11R	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13RZ	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-14Z	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.0011	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15Z	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-44	0.001018	n/a	2/14/2023	0.001ND	No	17	0.0004531	0.0001903	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Lead (mg/L)	GWC-45	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	35.29	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-45R	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-47	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-47R	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-48	0.002529	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-49Z	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWC-6	0.001	n/a	2/17/2023	0.001ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.001	n/a	2/17/2023	0.001ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-7Z	0.001	n/a	2/20/2023	0.001ND	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-8RR	0.001	n/a	2/21/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8Z	0.001	n/a	2/20/2023	0.001ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-9	0.0012	n/a	2/21/2023	0.001ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.024	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.02	n/a	2/16/2023	0.005ND	No	31	n/a	n/a	67.74	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.0093	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39RZ	0.0224	n/a	2/14/2023	0.005ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39Z	0.01656	n/a	2/13/2023	0.00095J	No	15	0.1494	0.03401	33.33	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-3A	0.05189	n/a	2/17/2023	0.005ND	No	29	0.02228	0.01125	6.897	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-41	0.0089	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.0013J	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4RZ	0.005	n/a	2/17/2023	0.005ND	No	10	n/a	n/a	80	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.00082J	No	27	n/a	n/a	48.15	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-50R	0.006681	n/a	2/16/2023	0.00081J	No	16	0.0445	0.01236	6.25	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-10	0.032	n/a	2/20/2023	0.0019J	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-10R	0.006	n/a	2/20/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0087	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.005	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	93.94	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.029	n/a	2/21/2023	0.0022J	No	33	n/a	n/a	39.39	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-13	0.015	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	31	n/a	n/a	80.65	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-14Z	0.011	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.0096	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	59.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15Z	0.019	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.00073J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.00092J	No	16	n/a	n/a	6.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.004J	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	2/14/2023	0.0058	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-49Z	0.007304	n/a	2/14/2023	0.0018J	No	16	0.003263	0.001341	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-5	0.06412	n/a	2/20/2023	0.0087	No	33	0.14	0.04382	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-6	0.022	n/a	2/17/2023	0.005ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	11	n/a	n/a	36.36	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.014	n/a	2/21/2023	0.001J	No	31	n/a	n/a	35.48	n/a	n/a	0.001905	NP Intra (normality) 1 of 2
Selenium (mg/L)	GWA-2	0.005	n/a	2/16/2023	0.0014J	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2R	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13	0.0074	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-14Z	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-44	0.007965	n/a	2/14/2023	0.005ND	No	17	0.003736	0.001425	41.18	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Selenium (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-5	0.0072	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-8Z	0.0089	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	2/21/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.005ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.004422	n/a	2/16/2023	0.0011J	No	27	0.002051	0.0008896	29.63	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Silver (mg/L)	GWC-12	0.005	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.01	n/a	2/16/2023	0.01ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.01	n/a	2/16/2023	0.01ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-39RZ	0.01	n/a	2/14/2023	0.01ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-3A	0.01	n/a	2/17/2023	0.01ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43R	0.01	n/a	2/13/2023	0.01ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4RZ	0.01	n/a	2/17/2023	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.01	n/a	2/16/2023	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-10	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.01	n/a	2/20/2023	0.01ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.01	n/a	2/21/2023	0.0034J	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.01	n/a	2/22/2023	0.0019J	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13RZ	0.011	n/a	2/22/2023	0.01ND	No	30	n/a	n/a	70	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14Z	0.012	n/a	2/22/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15R	0.01	n/a	2/22/2023	0.01ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15Z	0.012	n/a	2/22/2023	0.01ND	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-45	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-47R	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-6	0.01	n/a	2/17/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.01	n/a	2/21/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8Z	0.01	n/a	2/20/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.01	n/a	2/21/2023	0.003J	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.02	n/a	2/16/2023	0.02ND	No	30	n/a	n/a	33.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-2	0.027	n/a	2/16/2023	0.02ND	No	31	n/a	n/a	51.61	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-2R	0.02	n/a	2/16/2023	0.02ND	No	32	n/a	n/a	50	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-39RZ	0.02	n/a	2/14/2023	0.02ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-39Z	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-3A	0.1542	n/a	2/17/2023	0.02ND	No	32	0.2389	0.05929	9.375	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-40	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41R	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-42	0.01923	n/a	2/13/2023	0.011J	No	16	0.1016	0.0123	31.25	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-43	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-43R	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-4RZ	0.02	n/a	2/17/2023	0.02ND	No	10	n/a	n/a	60	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-50	0.02	n/a	2/16/2023	0.02ND	No	26	n/a	n/a	34.62	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-50R	0.02	n/a	2/16/2023	0.02ND	No	23	n/a	n/a	34.78	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.05529	n/a	2/20/2023	0.02ND	No	33	0.1855	0.07566	36.36	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-10R	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	45.45	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11R	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-12	0.1057	n/a	2/21/2023	0.01ND	No	33	-4.54	0.8876	12.12	None	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-13	0.02243	n/a	2/22/2023	0.02ND	No	29	0.00862	0.005244	31.03	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-13RZ	0.02	n/a	2/22/2023	0.02ND	No	29	n/a	n/a	34.48	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-14Z	0.02	n/a	2/22/2023	0.02ND	No	28	n/a	n/a	35.71	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-15R	0.01505	n/a	2/22/2023	0.02ND	No	31	-5.351	0.4432	22.58	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-15Z	0.025	n/a	2/22/2023	0.02ND	No	29	n/a	n/a	48.28	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-44	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	31.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45R	0.01378	n/a	2/14/2023	0.02ND	No	16	-5.474	0.3946	31.25	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-46R	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-47	0.06114	n/a	2/14/2023	0.05	No	17	0.02981	0.01056	11.76	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-47R	0.04226	n/a	2/14/2023	0.031	No	16	0.01744	0.008235	12.5	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-48	0.02	n/a	2/14/2023	0.011J	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-49R	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-49Z	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-5	0.07406	n/a	2/20/2023	0.032	No	14	0.03902	0.01099	7.143	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-6	0.021	n/a	2/17/2023	0.02ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-6RZ	0.02	n/a	2/17/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-7Z	0.02	n/a	2/20/2023	0.02ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8RR	0.02	n/a	2/21/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8Z	0.02	n/a	2/20/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.02176	n/a	2/21/2023	0.02ND	No	29	0.07971	0.02575	24.14	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2

Appendix I Interwell Prediction Limits - Two-Step - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-49R	0.016	n/a	2/14/2023	0.0037	No	409	n/a	n/a	70.17	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.015	n/a	2/14/2023	0.0058	No	400	n/a	n/a	79	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.051	n/a	2/14/2023	0.0054	No	362	n/a	n/a	58.01	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.053	n/a	2/14/2023	0.0058	No	356	n/a	n/a	54.78	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:33 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-48	0.0005	n/a	2/14/2023	0.00064	Yes	412	n/a	n/a	95.39	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:33 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	GWC-10	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-12	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13RZ	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-14Z	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15R	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15Z	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-44	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-46R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-48	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49Z	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-5	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6	0.001	n/a	2/17/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6RZ	0.001	n/a	2/17/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-7Z	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8RR	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8Z	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-9	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.0007304	-386	-223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.002394	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0002083	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003935	130	81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003764	-213	-176	Yes	34	2.941	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007352	-284	-161	Yes	32	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.00644	499	214	Yes	39	0	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-3A (bg)	-0.001445	-248	-184	Yes	35	14.29	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50 (bg)	-0.0006787	-345	-146	Yes	30	13.33	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50R (bg)	-0.001264	-250	-139	Yes	29	3.448	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.002007	-388	-161	Yes	32	15.63	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001556	-157	-146	Yes	30	43.33	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004833	-354	-146	Yes	30	3.333	n/a	n/a	0.01	NP

Appendix I Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-1 (bg)	0	2	223	No	40	40	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2 (bg)	0	0	2.58	No	41	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2R (bg)	0	40	223	No	40	42.5	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39RZ (bg)	-0.00006104	-16	-68	No	18	22.22	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39Z (bg)	0	12	81	No	20	35	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-3A (bg)	0	-60	-223	No	40	67.5	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-40 (bg)	0	-5	-81	No	20	90	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41 (bg)	0	-11	-81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41R (bg)	0	-10	-81	No	20	55	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-42 (bg)	0	15	81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43 (bg)	0	-7	-81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43R (bg)	0	-11	-81	No	20	70	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-4RZ (bg)	0	15	81	No	20	50	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50 (bg)	0	-46	-184	No	35	88.57	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50R (bg)	0	-24	-184	No	35	97.14	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-49R	0	10	81	No	20	55	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-1 (bg)	-0.0007304	-386	-223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	0.0004924	103	214	No	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2R (bg)	0.000543	191	214	No	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39RZ (bg)	-0.0003453	-19	-74	No	19	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39Z (bg)	-0.0001633	-6	-81	No	20	5	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3A (bg)	-0.0001784	-133	-152	No	31	3.226	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-40 (bg)	-0.0003677	-79	-81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41 (bg)	-0.001065	-73	-81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41R (bg)	0.0004941	19	81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-42 (bg)	0	8	81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.002394	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0002083	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003935	130	81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003764	-213	-176	Yes	34	2.941	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007352	-284	-161	Yes	32	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.00644	499	214	Yes	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-45	0.0001021	79	81	No	20	0	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-1 (bg)	0	-77	-206	No	38	76.32	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-2 (bg)	0	-74	-206	No	38	68.42	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-2R (bg)	0	-59	-223	No	40	85	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-39RZ (bg)	0	2	74	No	19	47.37	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-39Z (bg)	0	-10	-74	No	19	94.74	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-3A (bg)	0	-79	-191	No	36	80.56	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-40 (bg)	0	-10	-81	No	20	80	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-41 (bg)	0	-3	-81	No	20	90	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-41R (bg)	0	-2	-81	No	20	90	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-42 (bg)	0	-7	-81	No	20	95	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-43 (bg)	0	-17	-81	No	20	75	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-43R (bg)	0	3	81	No	20	45	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-4RZ (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-50 (bg)	0	35	184	No	35	88.57	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-50R (bg)	0	150	184	No	35	71.43	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-45R	0	6	81	No	20	80	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-1 (bg)	0	-159	-191	No	36	66.67	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-2 (bg)	0	-97	-191	No	36	72.22	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-2R (bg)	0	-140	-191	No	36	61.11	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-39RZ (bg)	0	3	48	No	14	85.71	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-39Z (bg)	0	14	74	No	19	84.21	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-3A (bg)	-0.001445	-248	-184	Yes	35	14.29	n/a	n/a	0.01	NP

Appendix I Trend Tests - Prediction Limit Exceedances - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Copper (mg/L)	GWA-40 (bg)	0	-4	-74	No	19	94.74	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-41 (bg)	0	8	74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-41R (bg)	0	-25	-74	No	19	52.63	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-42 (bg)	0	5	74	No	19	89.47	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-43 (bg)	0	-20	-74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-43R (bg)	0	-10	-74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-4RZ (bg)	0	13	43	No	13	76.92	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50 (bg)	-0.0006787	-345	-146	Yes	30	13.33	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50R (bg)	-0.001264	-250	-139	Yes	29	3.448	n/a	n/a	0.01	NP
Copper (mg/L)	GWC-44	0	-4	-74	No	19	63.16	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-1 (bg)	0	-1.648	-2.58	No	41	97.56	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2 (bg)	0	-0.3025	-2.58	No	41	95.12	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2R (bg)	0	0	2.58	No	41	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39RZ (bg)	0	-2	-74	No	19	94.74	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39Z (bg)	0	-13	-81	No	20	95	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-3A (bg)	0	-39	-223	No	40	97.5	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-40 (bg)	0	-13	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41 (bg)	0	-31	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41R (bg)	0	-31	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-42 (bg)	0	-30	-81	No	20	85	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43R (bg)	0	-13	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-4RZ (bg)	0	15	81	No	20	95	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50 (bg)	0	8	184	No	35	97.14	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50R (bg)	0	0	184	No	35	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWC-48	0	-41	-87	No	21	61.9	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-1 (bg)	0	-173	-184	No	35	74.29	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2 (bg)	0	-47	-176	No	34	70.59	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2R (bg)	0	-77	-184	No	35	80	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39RZ (bg)	0	-10	-53	No	15	66.67	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39Z (bg)	-0.00006863	-24	-68	No	18	38.89	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.002007	-388	-161	Yes	32	15.63	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-40 (bg)	0	0	74	No	19	100	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41 (bg)	0	25	74	No	19	63.16	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41R (bg)	0	-18	-74	No	19	57.89	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-42 (bg)	-0.00005021	-51	-74	No	19	10.53	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43 (bg)	0.000006697	34	74	No	19	42.11	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43R (bg)	0	8	74	No	19	94.74	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-4RZ (bg)	0	3	43	No	13	84.62	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001556	-157	-146	Yes	30	43.33	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004833	-354	-146	Yes	30	3.333	n/a	n/a	0.01	NP
Nickel (mg/L)	GWC-48	0.0002105	66	74	No	19	5.263	n/a	n/a	0.01	NP

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-3A	19.4	n/a	2/17/2023	22.4	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-45R	47.07	n/a	2/14/2023	47.5	Yes	17	35.37	4.358	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2R	34.3	n/a	2/16/2023	38.9	Yes	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-45R	5.471	n/a	2/14/2023	10.1	Yes	17	1.754	0.2182	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-42	186.7	n/a	2/13/2023	226	Yes	17	134.1	19.58	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	2/22/2023	1020	Yes	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-1	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2R	0.04	n/a	2/16/2023	0.017J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-39RZ	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	23.53	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-39Z	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-3A	0.04	n/a	2/17/2023	0.04ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-40	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41R	0.04	n/a	2/13/2023	0.017J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-42	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43R	0.04212	n/a	2/13/2023	0.04ND	No	17	0.02003	0.008233	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-4RZ	0.03839	n/a	2/17/2023	0.04ND	No	17	-4.603	0.5005	5.882	None	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-50	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-50R	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10R	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11R	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-12	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.03966	n/a	2/22/2023	0.04ND	No	17	0.01835	0.00794	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-13RZ	0.02742	n/a	2/22/2023	0.013J	No	17	-4.386	0.2941	17.65	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-14Z	0.04	n/a	2/22/2023	0.04ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15R	0.04	n/a	2/22/2023	0.04ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15Z	0.04	n/a	2/22/2023	0.04ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-44	0.03258	n/a	2/14/2023	0.014J	No	17	-4.509	0.4043	41.18	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-45	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-45R	0.04	n/a	2/14/2023	0.012J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-46R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-48	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49Z	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6	0.04	n/a	2/17/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6RZ	0.04	n/a	2/17/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-7Z	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8RR	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8Z	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-9	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium, total (mg/L)	GWA-1	36.35	n/a	2/16/2023	33.3	No	17	30.64	2.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2	82.96	n/a	2/16/2023	60.5	No	17	26.51	21.04	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2R	61.92	n/a	2/16/2023	51.6	No	17	26.68	13.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39RZ	39.13	n/a	2/14/2023	31.4	No	17	34952	9306	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39Z	34.91	n/a	2/13/2023	12.8	No	18	12.62	8.42	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-3A	19.4	n/a	2/17/2023	22.4	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWA-40	31.1	n/a	2/13/2023	18.4	No	17	21.34	3.637	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41	42.06	n/a	2/13/2023	26.9	No	17	18.81	8.667	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41R	48.24	n/a	2/13/2023	38.6	No	17	33.1	5.641	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-42	38.83	n/a	2/13/2023	35.7	No	17	31.39	2.773	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43	19.26	n/a	2/14/2023	2.2	No	17	6.843	4.628	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43R	33.92	n/a	2/13/2023	28.5	No	18	28.96	1.875	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-4RZ	59.92	n/a	2/17/2023	59.4	No	17	49.56	3.858	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-50	4.551	n/a	2/16/2023	1.4	No	17	1.458	0.2518	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-50R	13.06	n/a	2/16/2023	0.81J	No	17	4.392	3.23	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	50.26	n/a	2/20/2023	9	No	17	29.44	7.761	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10R	48.89	n/a	2/20/2023	46.2	No	17	40.76	3.028	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	30.52	n/a	2/20/2023	7.4	No	17	16.75	5.131	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11R	38.59	n/a	2/20/2023	32.5	No	17	26.59	4.472	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	9.546	n/a	2/21/2023	7.9	No	17	8.05	0.5575	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	75.84	n/a	2/22/2023	26.3	No	17	45.15	11.44	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13RZ	59.04	n/a	2/22/2023	40.1	No	17	1947	573.4	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14Z	43.05	n/a	2/22/2023	14.3	No	17	20.97	8.227	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15R	45.82	n/a	2/22/2023	38.1	No	16	35.98	3.621	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15Z	30.37	n/a	2/22/2023	24.4	No	17	13334	5471	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-44	21.15	n/a	2/14/2023	12.5	No	17	7.058	5.251	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45	1.009	n/a	2/14/2023	1	No	17	0.8318	0.06622	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45R	47.07	n/a	2/14/2023	47.5	Yes	17	35.37	4.358	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-46R	55.43	n/a	2/14/2023	41.1	No	17	44.66	4.014	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47	30.37	n/a	2/14/2023	20.5	No	17	23.26	2.649	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47R	38.9	n/a	2/14/2023	31.6	No	17	30.52	3.123	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-48	11.53	n/a	2/14/2023	3	No	17	1.798	0.5951	5.882	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49R	31.57	n/a	2/14/2023	24.3	No	17	25.36	2.314	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49Z	2.525	n/a	2/14/2023	0.65J	No	15	1.138	0.4971	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	12.1	n/a	2/20/2023	3.5	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-6	16.64	n/a	2/17/2023	15.2	No	16	14	0.9716	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6RZ	15.25	n/a	2/17/2023	9.7	No	16	10.86	1.616	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7Z	28.3	n/a	2/20/2023	26.1	No	17	23.72	1.707	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8RR	25.36	n/a	2/21/2023	18	No	17	22.19	1.179	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8Z	27.37	n/a	2/20/2023	18.5	No	16	412.2	123.9	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-9	41.78	n/a	2/21/2023	2.3	No	17	2.708	1.4	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-1	0.1269	n/a	2/16/2023	0.07J	No	17	0.05491	0.02684	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-2	0.17	n/a	2/16/2023	0.061J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-2R	0.1	n/a	2/16/2023	0.079J	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWA-39RZ	0.2585	n/a	2/14/2023	0.074J	No	17	0.2579	0.09337	29.41	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-39Z	0.1189	n/a	2/13/2023	0.064J	No	17	0.05128	0.0252	41.18	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-3A	0.1	n/a	2/17/2023	0.055J	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-40	0.11	n/a	2/13/2023	0.054J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41	0.1	n/a	2/13/2023	0.05J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41R	0.12	n/a	2/13/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-42	0.1	n/a	2/13/2023	0.056J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43	0.1	n/a	2/14/2023	0.052J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43R	0.1	n/a	2/13/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-4RZ	0.3209	n/a	2/17/2023	0.11	No	17	0.1707	0.05596	5.882	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-50	0.1	n/a	2/16/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-50R	0.1	n/a	2/16/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10R	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11R	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	2/21/2023	0.054J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.24	n/a	2/22/2023	0.06J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13RZ	0.2957	n/a	2/22/2023	0.15	No	17	0.144	0.05653	11.76	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-14Z	0.1	n/a	2/22/2023	0.1ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15R	0.1	n/a	2/22/2023	0.05J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15Z	0.1	n/a	2/22/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-44	0.1998	n/a	2/14/2023	0.075J	No	18	0.0679	0.04985	27.78	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-45	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-45R	0.14	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWC-46R	0.1	n/a	2/14/2023	0.091J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-47	0.13	n/a	2/14/2023	0.064J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWC-47R	0.13	n/a	2/14/2023	0.081J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-48	0.1	n/a	2/14/2023	0.058J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49R	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49Z	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-5	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.1	n/a	2/17/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6RZ	0.1	n/a	2/17/2023	0.052J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7Z	0.22	n/a	2/20/2023	0.057J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8RR	0.1	n/a	2/21/2023	0.057J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8Z	0.1	n/a	2/20/2023	0.061J	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-9	0.1	n/a	2/21/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-1	2.711	n/a	2/16/2023	1.1	No	17	1.552	0.4319	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2	179.3	n/a	2/16/2023	115	No	17	54.87	46.38	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2R	34.3	n/a	2/16/2023	38.9	Yes	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-39RZ	29.35	n/a	2/14/2023	6.3	No	17	10.86	6.891	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-39Z	9.901	n/a	2/13/2023	1.7	No	17	3.753	2.291	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-3A	5.4	n/a	2/17/2023	2.5	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-40	7.784	n/a	2/13/2023	1.4	No	18	0.4574	0.6025	5.556	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41	19.9	n/a	2/13/2023	6	No	17	0.9897	0.7457	0	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41R	13.45	n/a	2/13/2023	10.2	No	17	5.663	2.903	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-42	2.63	n/a	2/13/2023	1.6	No	17	1.587	0.3887	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43	1.928	n/a	2/14/2023	1ND	No	17	0.7687	0.432	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43R	10.68	n/a	2/13/2023	2.5	No	17	5.664	1.871	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-4RZ	28.58	n/a	2/17/2023	21.2	No	18	21.14	2.813	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50	1.031	n/a	2/16/2023	1ND	No	17	0.6803	0.1308	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50R	1.69	n/a	2/16/2023	0.58J	No	17	0.9694	0.2687	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10	2.213	n/a	2/20/2023	1.5	No	17	1.356	0.3195	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10R	2.272	n/a	2/20/2023	1.5	No	17	1.406	0.3226	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11	3.941	n/a	2/20/2023	1.7	No	17	2.457	0.553	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11R	4.739	n/a	2/20/2023	1.8	No	17	2.51	0.8307	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-12	1	n/a	2/21/2023	1ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-13	196.5	n/a	2/22/2023	8.7	No	17	69.62	47.29	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-13RZ	107.1	n/a	2/22/2023	59.7	No	17	56.66	18.8	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-14Z	11.83	n/a	2/22/2023	10.7	No	16	4.35	2.75	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15R	13.96	n/a	2/22/2023	7.5	No	17	9.185	1.78	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15Z	15.09	n/a	2/22/2023	0.81J	No	17	1.728	0.8034	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-44	62.46	n/a	2/14/2023	33.8	No	17	21.93	15.1	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45	1.552	n/a	2/14/2023	1ND	No	17	0.8033	0.2791	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45R	5.471	n/a	2/14/2023	10.1	Yes	17	1.754	0.2182	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-46R	9.434	n/a	2/14/2023	4.7	No	17	6.619	1.049	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47	5.577	n/a	2/14/2023	4.3	No	17	4.314	0.471	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47R	15.96	n/a	2/14/2023	12.7	No	17	9.402	2.446	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-48	20.2	n/a	2/14/2023	3	No	19	n/a	n/a	5.263	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-49R	6.244	n/a	2/14/2023	1.8	No	18	1.819	0.2569	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-49Z	3.084	n/a	2/14/2023	0.84J	No	14	1.807	0.4463	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-5	2.174	n/a	2/20/2023	1.4	No	17	1.416	0.2824	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6	3.803	n/a	2/17/2023	2	No	17	2.289	0.564	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6RZ	3.425	n/a	2/17/2023	1.8	No	17	1.962	0.5452	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-7Z	2.37	n/a	2/20/2023	1.7	No	17	0.9735	0.5205	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8RR	2.1	n/a	2/21/2023	1.7	No	17	1.018	0.4031	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8Z	4.465	n/a	2/20/2023	1.1	No	17	1.967	0.931	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-9	4.753	n/a	2/21/2023	3	No	17	2.308	0.9112	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-1	190.4	n/a	2/16/2023	152J	No	17	153.2	13.85	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWA-2	398.6	n/a	2/16/2023	267J	No	17	138.3	97.02	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-2R	237.6	n/a	2/16/2023	197J	No	17	120.5	43.64	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39RZ	258.4	n/a	2/14/2023	149J	No	17	165.8	34.53	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39Z	169.9	n/a	2/13/2023	105J	No	16	69.56	36.89	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-3A	121	n/a	2/17/2023	117J	No	16	3.37	0.5244	31.25	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-40	169.9	n/a	2/13/2023	259J	No	17	103.5	24.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41	203.5	n/a	2/13/2023	111J	No	17	85.94	43.82	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41R	269.7	n/a	2/13/2023	163J	No	17	159.5	41.05	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-42	186.7	n/a	2/13/2023	226	Yes	17	134.1	19.58	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43	90.96	n/a	2/14/2023	60.9	No	17	37.29	20	17.65	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43R	191.5	n/a	2/13/2023	126	No	17	139.8	19.27	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-4RZ	425.2	n/a	2/17/2023	252J	No	17	15.84	1.782	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50	46.57	n/a	2/16/2023	25ND	No	17	21.74	9.254	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50R	96.25	n/a	2/16/2023	25ND	No	17	33.65	23.33	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10	208.4	n/a	2/20/2023	47	No	17	125.3	30.95	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10R	244.5	n/a	2/20/2023	154	No	17	147	36.34	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11	151.3	n/a	2/20/2023	98	No	17	91.59	22.25	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11R	176.7	n/a	2/20/2023	149	No	17	130.5	17.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-12	104	n/a	2/21/2023	42	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	2/22/2023	1020	Yes	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13RZ	363	n/a	2/22/2023	254	No	17	66958	24165	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-14Z	286.7	n/a	2/22/2023	65	No	17	10.28	2.48	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15R	238.8	n/a	2/22/2023	174	No	17	167.6	26.5	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15Z	223.8	n/a	2/22/2023	111	No	17	117.9	39.46	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-44	201.1	n/a	2/14/2023	70.9	No	18	6.914	2.746	16.67	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45	60	n/a	2/14/2023	33.9	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45R	251.4	n/a	2/14/2023	206	No	17	165.1	32.17	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-46R	298.8	n/a	2/14/2023	199	No	17	233.9	24.2	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47	176.7	n/a	2/14/2023	111J	No	17	125.5	19.06	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47R	200.3	n/a	2/14/2023	151	No	17	21576	6910	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-48	98.66	n/a	2/14/2023	30.9	No	17	5.376	1.698	23.53	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49R	191	n/a	2/14/2023	114	No	17	124.8	24.67	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49Z	64.75	n/a	2/14/2023	25ND	No	17	31.83	12.27	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-5	123.8	n/a	2/20/2023	53	No	17	5.754	2.001	17.65	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6	164.9	n/a	2/17/2023	75J	No	17	8.794	1.509	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6RZ	164.6	n/a	2/17/2023	50J	No	17	69.88	35.29	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-7Z	172	n/a	2/20/2023	122	No	17	121	19	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8RR	133.8	n/a	2/21/2023	77	No	17	107.8	9.712	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8Z	186	n/a	2/20/2023	86	No	17	111.5	27.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-9	175.8	n/a	2/21/2023	12.5ND	No	17	57.85	43.95	5.882	None	No	0.0002894	Param Intra 1 of 2

Appendix III Interwell Prediction Limits -Two-Step - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWC-13	400	n/a	2/22/2023	1020	Yes	298	n/a	n/a	7.047	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits -Two-Step - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-45R	66.6	n/a	2/14/2023	47.5	No	301	n/a	n/a	0	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	GWC-45R	147	n/a	2/14/2023	10.1	No	301	n/a	n/a	7.309	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	400	n/a	2/22/2023	1020	Yes	298	n/a	n/a	7.047	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH_units)	GWC-44	8.04	4.73	2/14/2023	3.95	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.73	2/14/2023	4.26	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	4.73	2/21/2023	4.59	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-10	6.3	n/a	2/20/2023	1.9	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10R	6.3	n/a	2/20/2023	2.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	6.3	n/a	2/20/2023	1.2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11R	6.3	n/a	2/20/2023	1.6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-12	6.3	n/a	2/21/2023	0.99J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13	6.3	n/a	2/22/2023	3.2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13RZ	6.3	n/a	2/22/2023	5.8	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14Z	6.3	n/a	2/22/2023	4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15R	6.3	n/a	2/22/2023	1.5	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15Z	6.3	n/a	2/22/2023	0.83J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-44	6.3	n/a	2/14/2023	5.7	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45	6.3	n/a	2/14/2023	0.81J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45R	6.3	n/a	2/14/2023	5.3	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-46R	6.3	n/a	2/14/2023	3.7	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47	6.3	n/a	2/14/2023	2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47R	6.3	n/a	2/14/2023	2.8	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-48	6.3	n/a	2/14/2023	6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49R	6.3	n/a	2/14/2023	1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49Z	6.3	n/a	2/14/2023	1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-5	6.3	n/a	2/20/2023	0.88J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6	6.3	n/a	2/17/2023	1.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6RZ	6.3	n/a	2/17/2023	1.5	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7Z	6.3	n/a	2/20/2023	0.94J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8RR	6.3	n/a	2/21/2023	0.97J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8Z	6.3	n/a	2/20/2023	1.6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-9	6.3	n/a	2/21/2023	2.1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10	8.04	4.73	2/20/2023	5.39	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10R	8.04	4.73	2/20/2023	7.08	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11	8.04	4.73	2/20/2023	5.52	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11R	8.04	4.73	2/20/2023	7.2	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-12	8.04	4.73	2/21/2023	6.18	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	4.73	2/22/2023	6.96	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13RZ	8.04	4.73	2/22/2023	7.15	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-14Z	8.04	4.73	2/22/2023	5.97	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15R	8.04	4.73	2/22/2023	7.32	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15Z	8.04	4.73	2/22/2023	7.49	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	4.73	2/14/2023	3.95	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.73	2/14/2023	4.26	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45R	8.04	4.73	2/14/2023	6.71	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-46R	8.04	4.73	2/14/2023	7.49	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47	8.04	4.73	2/14/2023	7.2	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47R	8.04	4.73	2/14/2023	7.38	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	4.73	2/14/2023	4.75	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49R	8.04	4.73	2/14/2023	7.75	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49Z	8.04	4.73	2/14/2023	5.15	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-5	8.04	4.73	2/20/2023	5.78	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6	8.04	4.73	2/17/2023	7.11	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6RZ	8.04	4.73	2/17/2023	6.41	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-7Z	8.04	4.73	2/20/2023	7.4	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8RR	8.04	4.73	2/21/2023	7.88	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8Z	8.04	4.73	2/20/2023	6.87	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	4.73	2/21/2023	4.59	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-1 (bg)	0.7099	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2R (bg)	3.533	94	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-42 (bg)	1.166	118	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43 (bg)	-1.324	-127	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-4RZ (bg)	1.477	83	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50R (bg)	-0.5529	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-45R	1.944	112	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.02937	-92	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08025	-96	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.07	-98	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.09802	-91	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1449	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1017	-117	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.1457	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05445	-105	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.05745	-129	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-9	-0.2073	-105	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-1 (bg)	-0.1981	-142	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39Z (bg)	-0.7464	-121	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43R (bg)	-0.6329	-88	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50R (bg)	-0.0917	-105	-81	Yes	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-45R	0.3351	90	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43 (bg)	-4.009	-86	-81	Yes	20	15	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-1 (bg)	0.7099	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2 (bg)	3.025	34	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2R (bg)	3.533	94	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-39RZ (bg)	0.009273	3	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-39Z (bg)	0.1302	6	87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-3A (bg)	0.1539	22	74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-40 (bg)	-0.2282	-27	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-41 (bg)	0.4269	22	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-41R (bg)	0.07606	5	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-42 (bg)	1.166	118	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43 (bg)	-1.324	-127	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43R (bg)	0.5773	83	87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-4RZ (bg)	1.477	83	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50 (bg)	-0.1015	-76	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50R (bg)	-0.5529	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-45R	1.944	112	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.02937	-92	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2 (bg)	-0.01046	-15	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08025	-96	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39RZ (bg)	-0.03559	-68	-92	No	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39Z (bg)	-0.04078	-28	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-3A (bg)	-0.01772	-7	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.07	-98	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41 (bg)	-0.04957	-47	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.09802	-91	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-42 (bg)	-0.03284	-68	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1449	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43R (bg)	-0.007213	-29	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-4RZ (bg)	-0.03583	-82	-118	No	26	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1017	-117	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.1457	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05445	-105	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.05745	-129	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-9	-0.2073	-105	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-1 (bg)	-0.1981	-142	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-2 (bg)	3.418	24	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-2R (bg)	0.477	49	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39RZ (bg)	-0.9006	-42	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39Z (bg)	-0.7464	-121	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-3A (bg)	0.05533	10	74	No	19	10.53	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-40 (bg)	0.01668	13	87	No	21	4.762	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-41 (bg)	0.04258	20	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-41R (bg)	0.5682	62	81	No	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-42 (bg)	-0.03222	-18	-81	No	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43 (bg)	-0.01969	-36	-81	No	20	40	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43R (bg)	-0.6329	-88	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-4RZ (bg)	0.1435	21	87	No	21	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50 (bg)	0.03359	52	81	No	20	40	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50R (bg)	-0.0917	-105	-81	Yes	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-45R	0.3351	90	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-1 (bg)	1.275	24	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-2 (bg)	6.246	8	81	No	20	5	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-2R (bg)	5.089	42	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-39RZ (bg)	-7.475	-59	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-39Z (bg)	0.5237	7	74	No	19	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Total Dissolved Solids [TDS] (mg/l)	GWA-3A (bg)	9.481	67	74	No	19	26.32	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-40 (bg)	0.9167	10	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-41 (bg)	2.151	19	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-41R (bg)	1.424	20	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-42 (bg)	0.8627	11	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43 (bg)	-4.009	-86	-81	Yes	20	15	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43R (bg)	-1.172	-12	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-4RZ (bg)	-4.716	-29	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-50 (bg)	-0.9754	-37	-81	No	20	35	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-50R (bg)	-3.458	-62	-81	No	20	25	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWC-13	-22.1	-65	-81	No	20	0	n/a	n/a	0.01	NP

Intrawell Prediction Limits - Chloride GWC-48 - All/Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 12:04 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.269	n/a	2/14/2023	6	Yes	17	2.961	0.86	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - 4/2023 Resample - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	4/11/2023	120	No	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2

Appendix I Interwell Prediction Limits - 3/2023 Resample - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 11:47 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-48	0.0005	n/a	3/16/2023	0.00045	No	412	n/a	n/a	95.39	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix III Interwell Prediction Limits - 3/2023 & 4/2023 Resample - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:29 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH_units)	GWC-48	8.04	4.73	3/16/2023	4.55	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - 3/2023 & 4/2023 Resample - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:29 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	6.3	n/a	3/16/2023	5.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	4.73	4/11/2023	6.69	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	4.73	3/16/2023	4.55	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

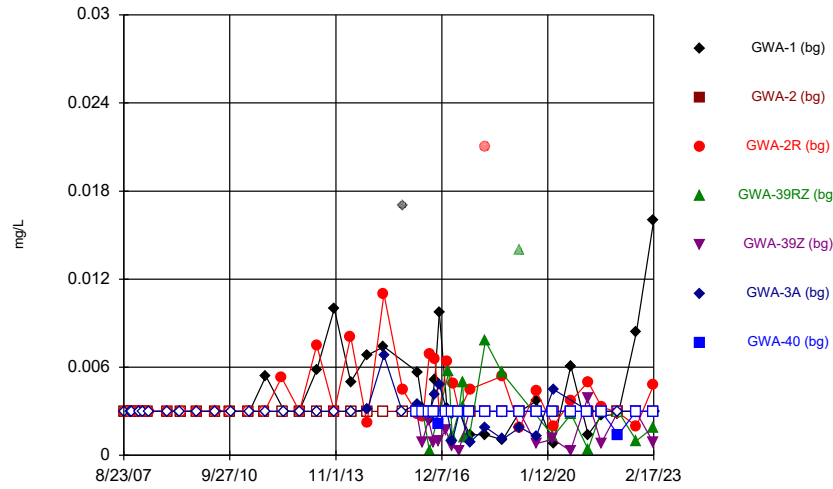
Intrawell Prediction Limits - Chloride GWC-48 Resample - All/Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.269	n/a	3/16/2023	5.4	Yes	17	2.961	0.86	0	None	No	0.0002894	Param Intra 1 of 2

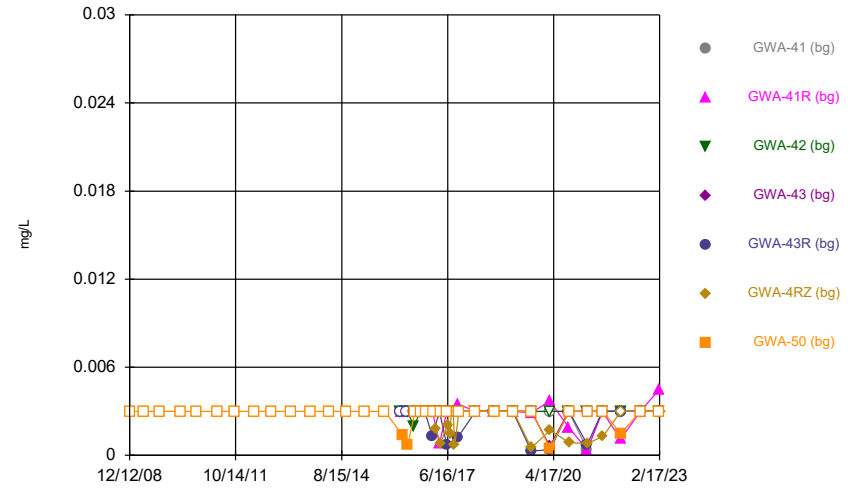
FIGURE A.

Time Series



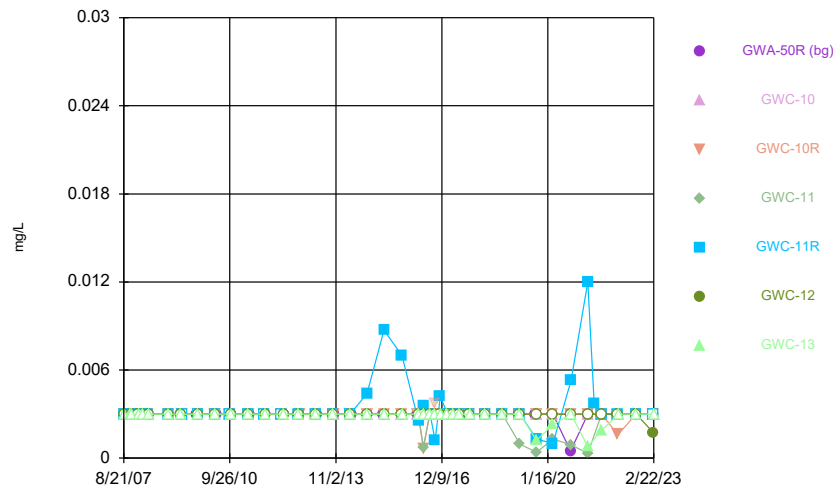
Constituent: Antimony Analysis Run 3/31/2023 12:01 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



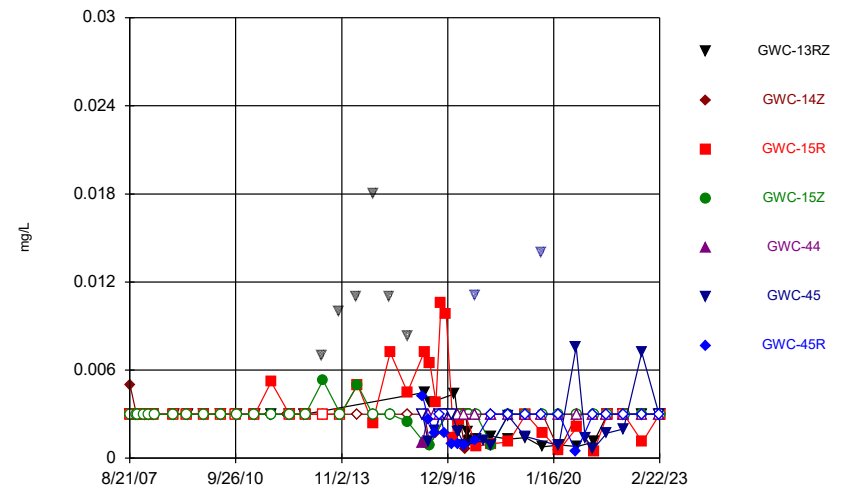
Constituent: Antimony Analysis Run 3/31/2023 12:01 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



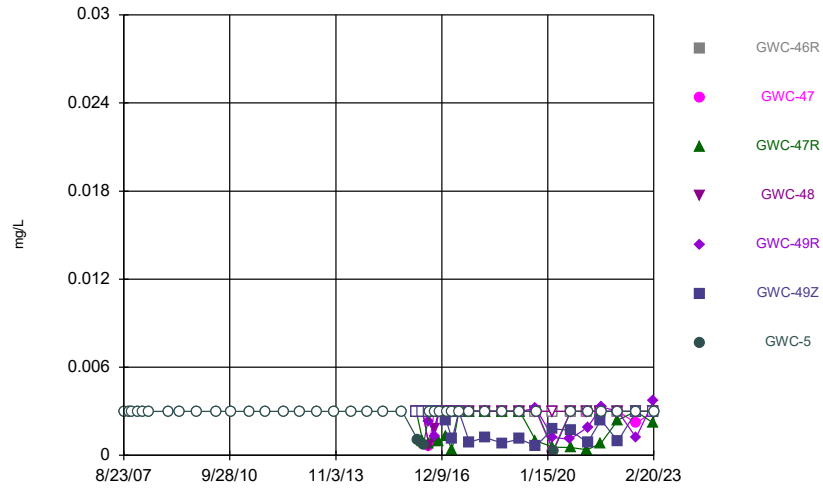
Constituent: Antimony Analysis Run 3/31/2023 12:01 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



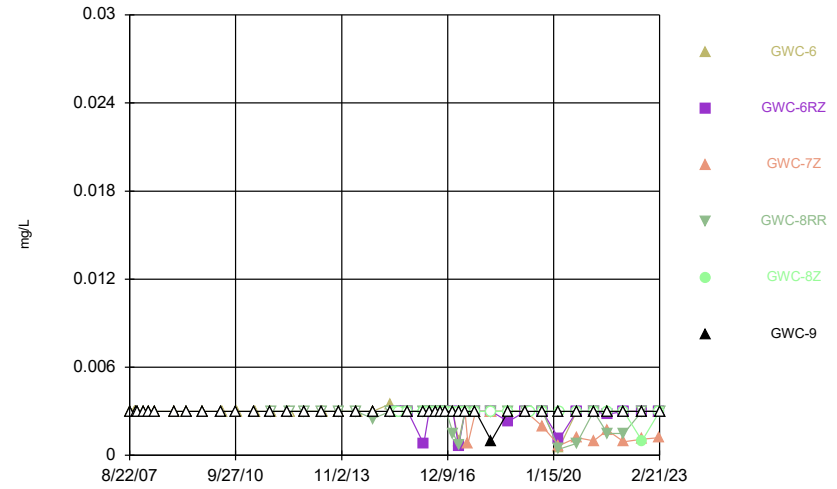
Constituent: Antimony Analysis Run 3/31/2023 12:01 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



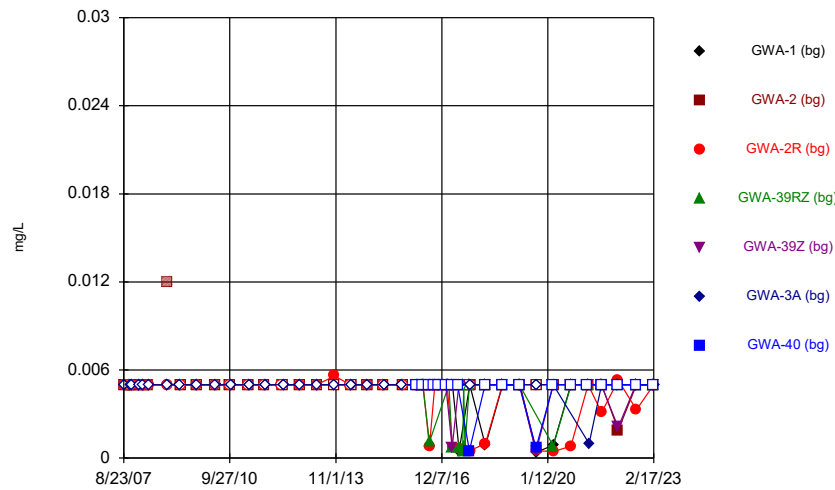
Constituent: Antimony Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



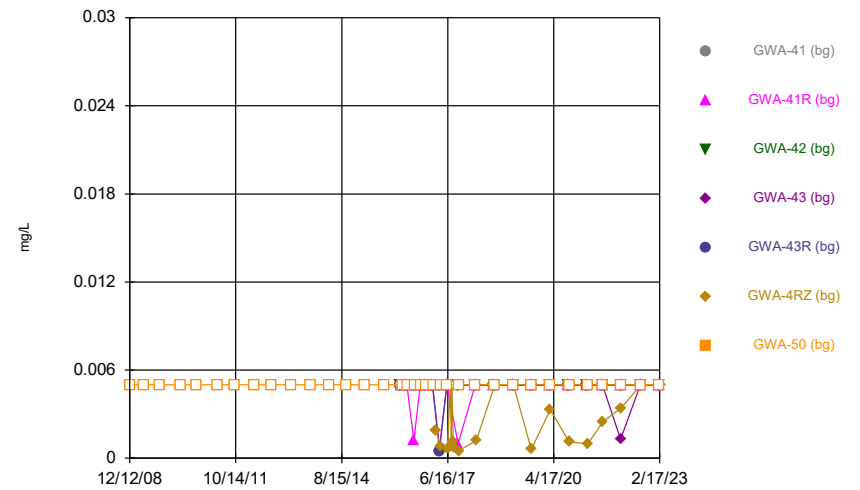
Constituent: Antimony Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



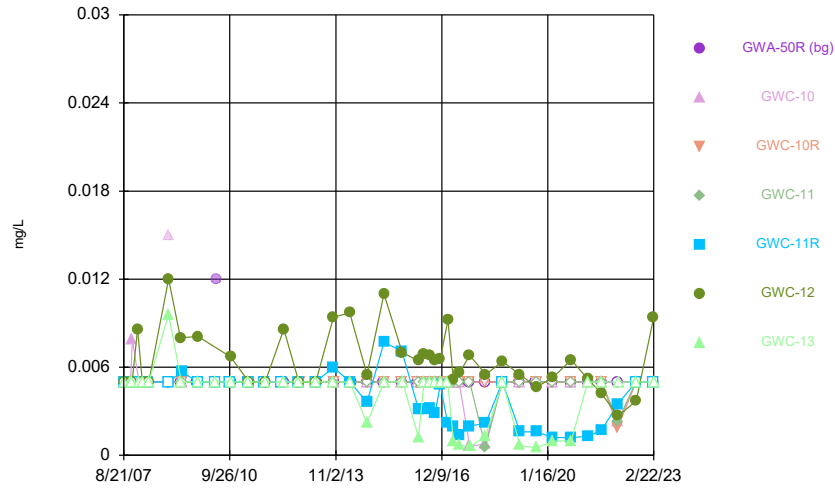
Constituent: Arsenic Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



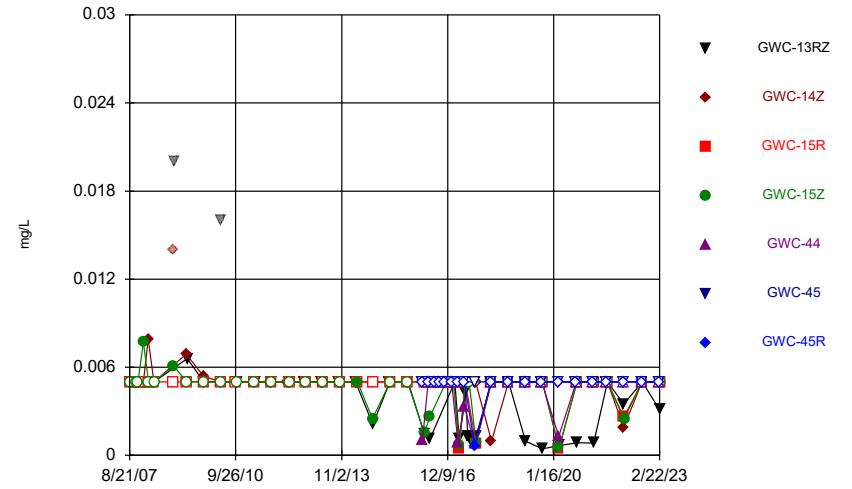
Constituent: Arsenic Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



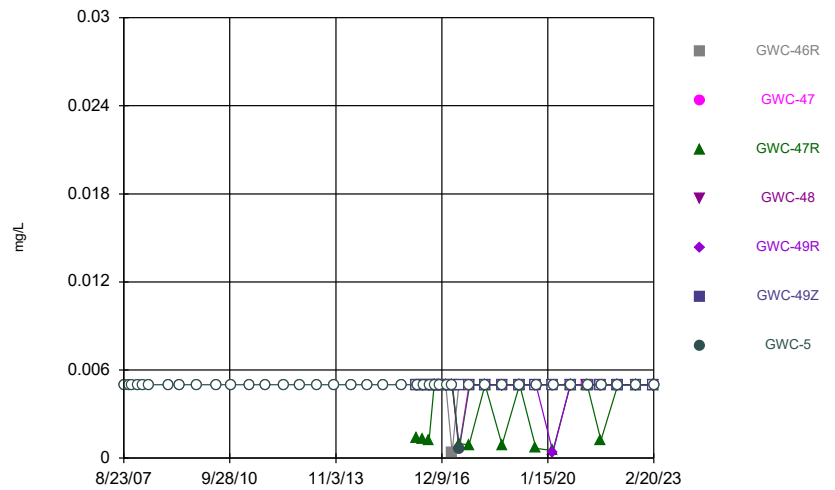
Constituent: Arsenic Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



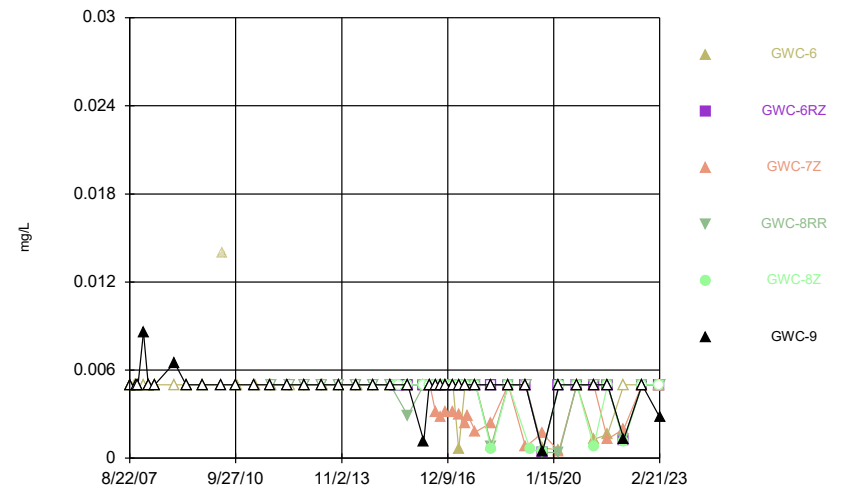
Constituent: Arsenic Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



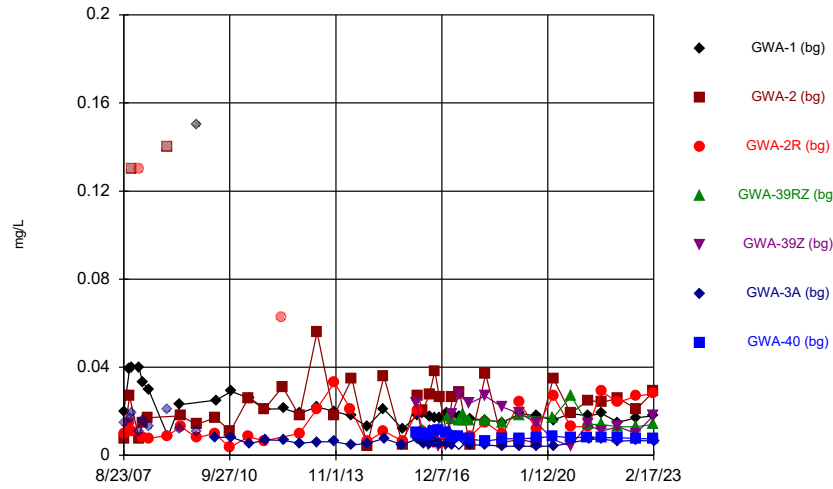
Constituent: Arsenic Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



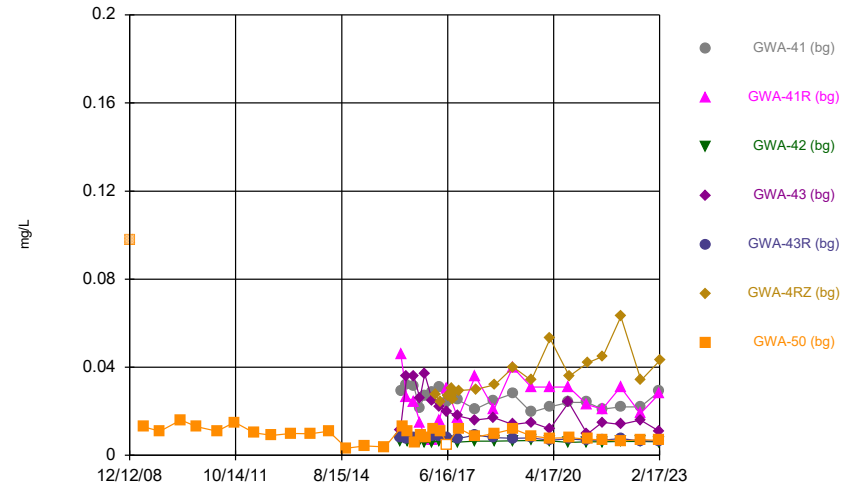
Constituent: Arsenic Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



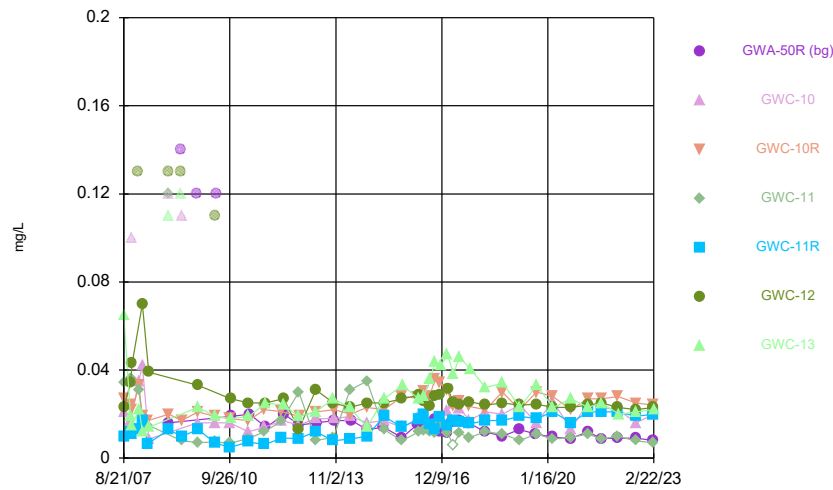
Constituent: Barium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



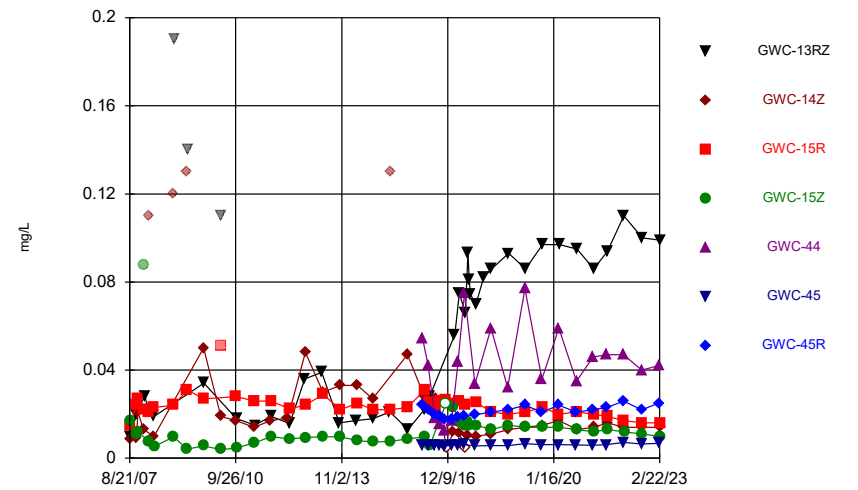
Constituent: Barium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



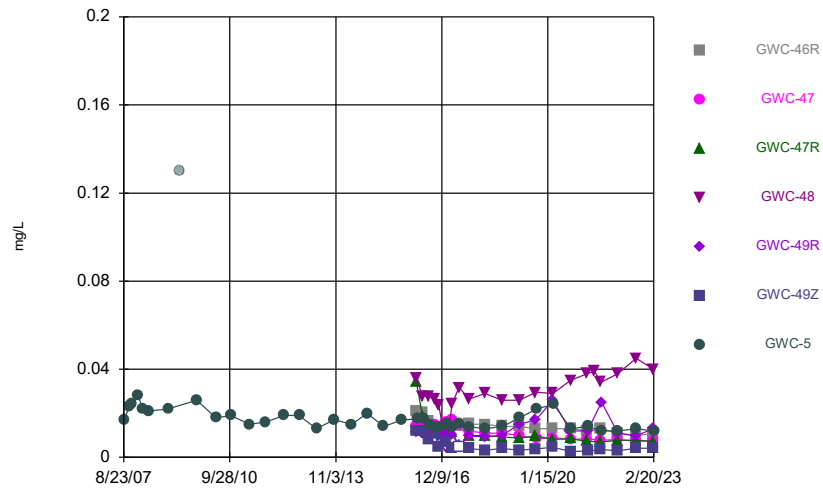
Constituent: Barium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



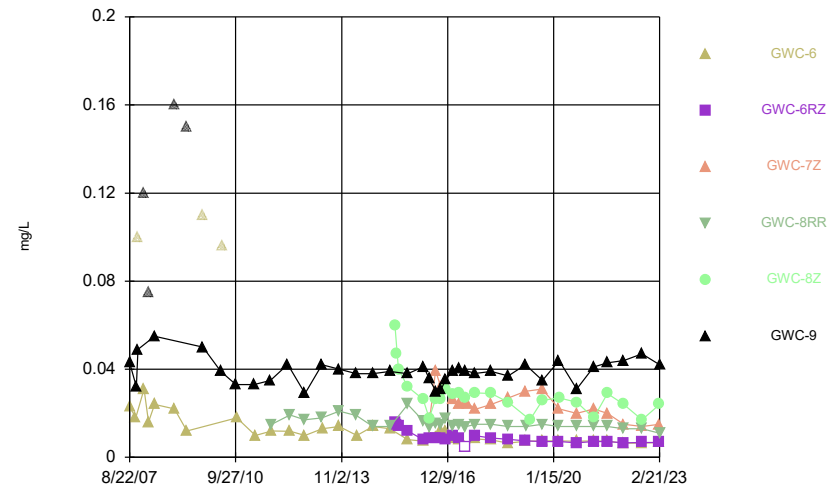
Constituent: Barium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



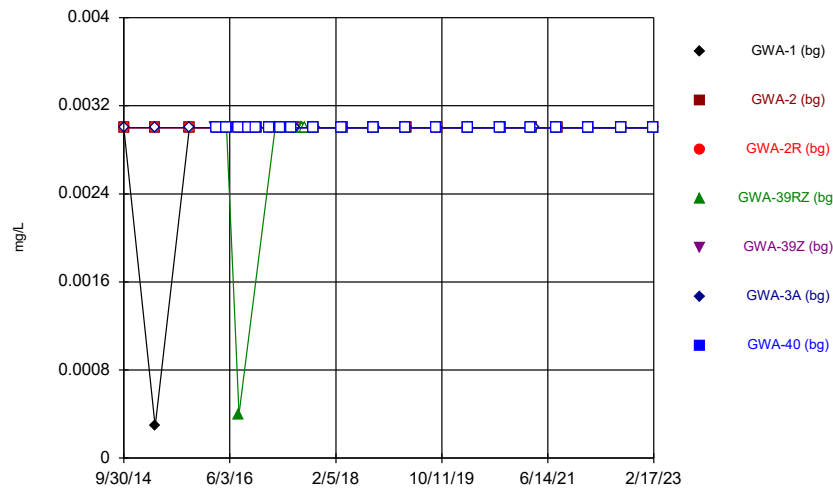
Constituent: Barium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



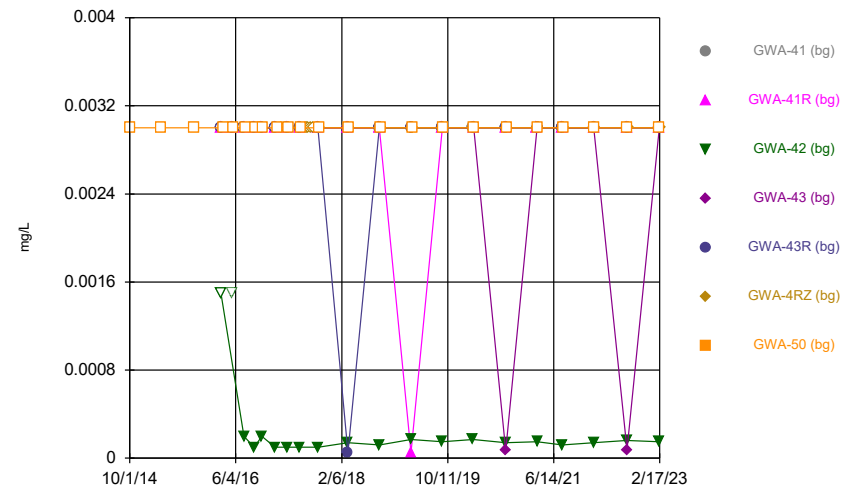
Constituent: Barium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



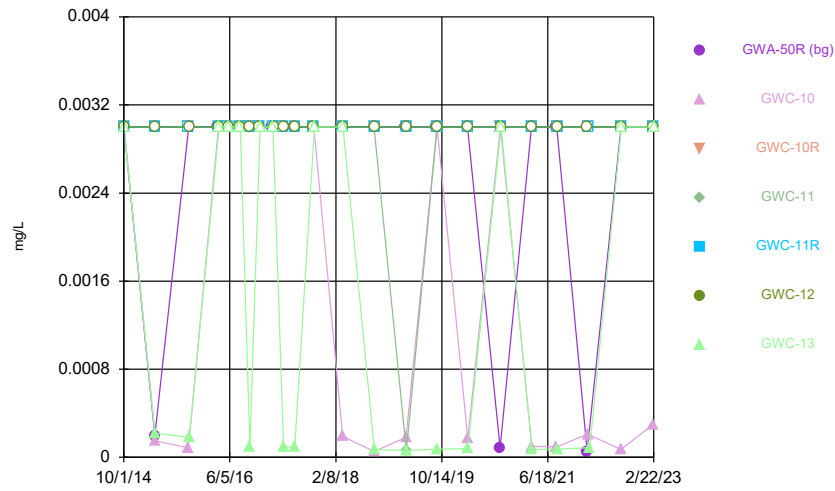
Constituent: Beryllium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



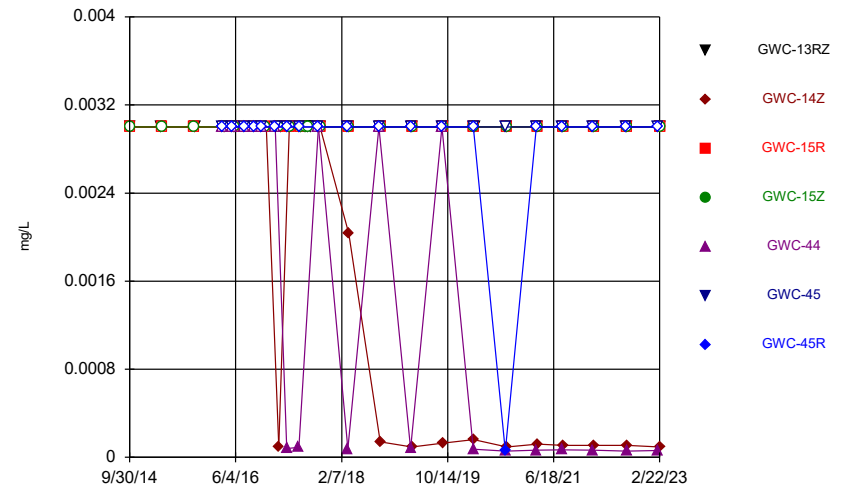
Constituent: Beryllium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



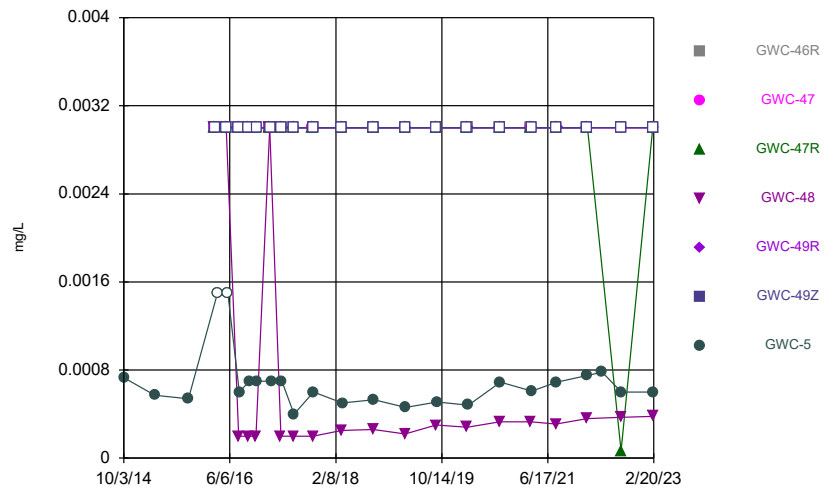
Constituent: Beryllium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



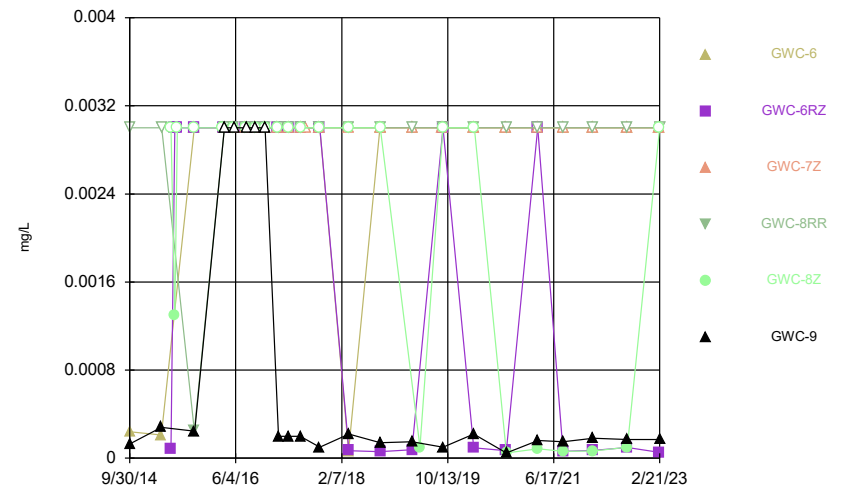
Constituent: Beryllium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



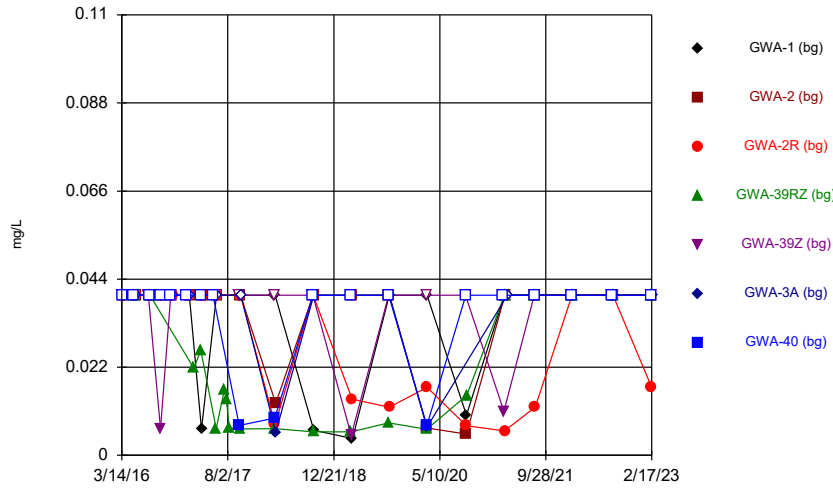
Constituent: Beryllium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



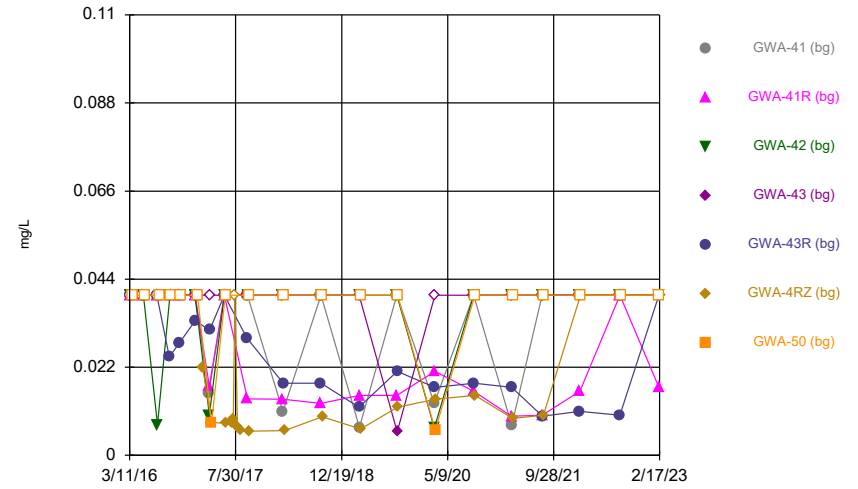
Constituent: Beryllium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



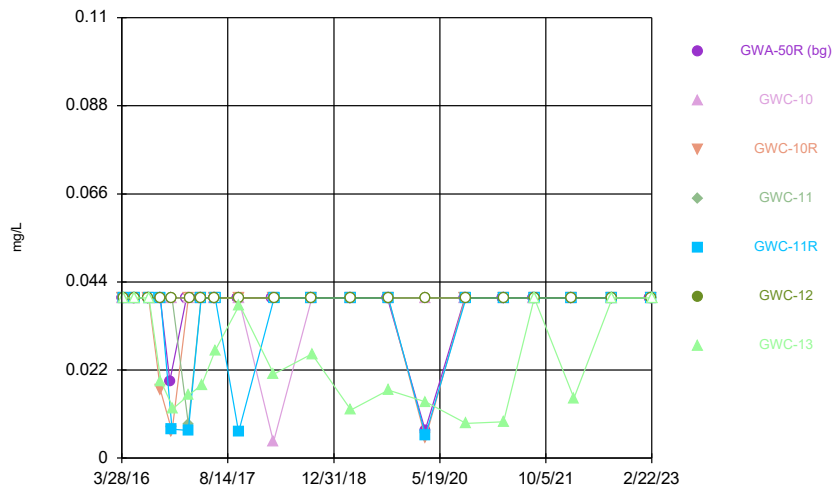
Constituent: Boron, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



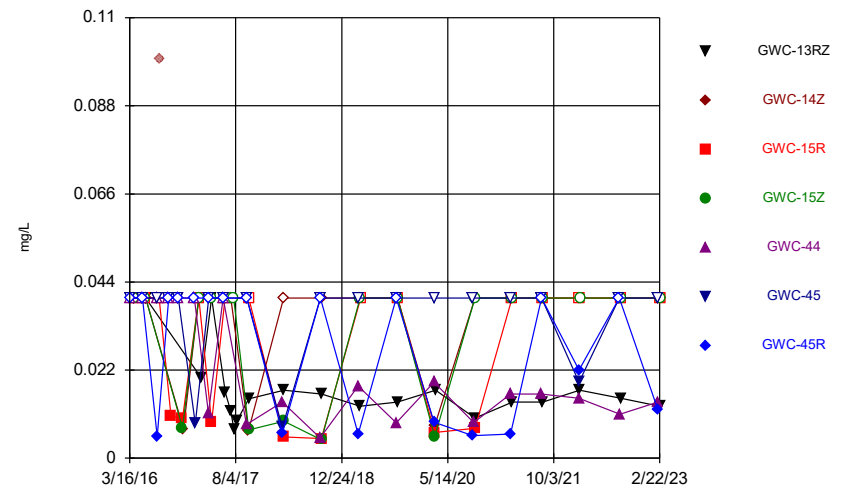
Constituent: Boron, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



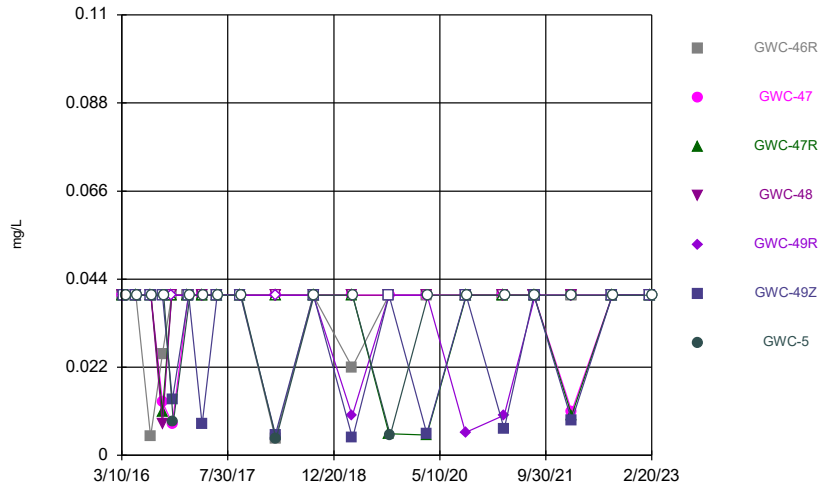
Constituent: Boron, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



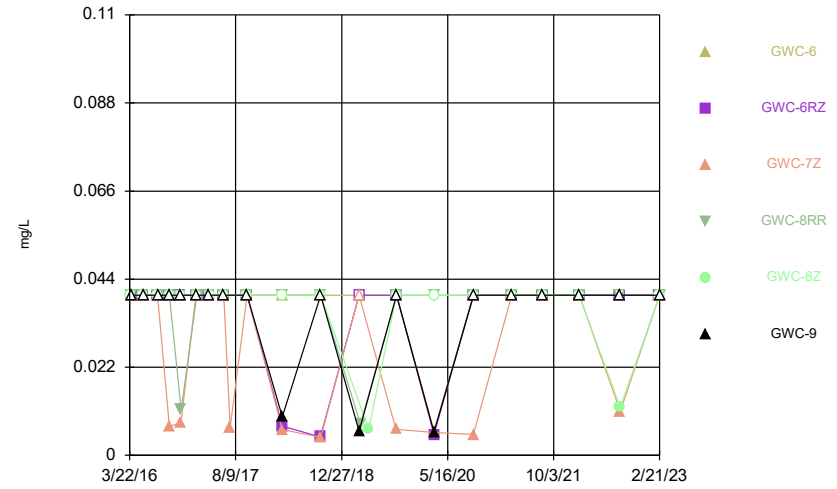
Constituent: Boron, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



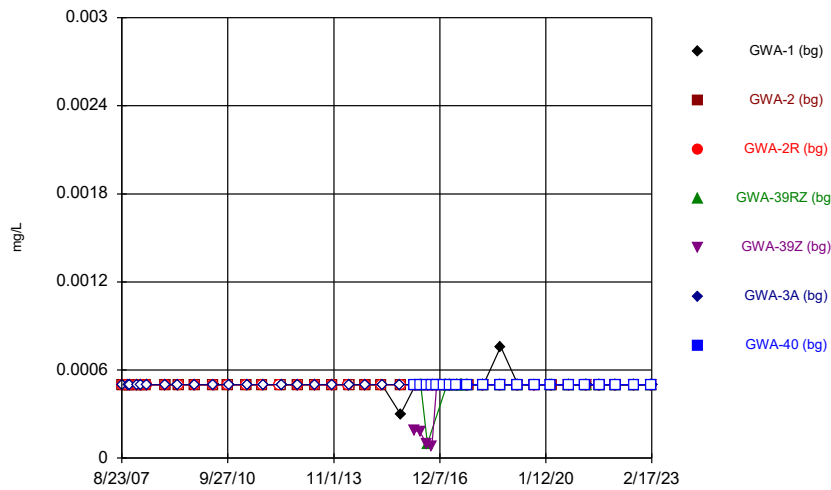
Constituent: Boron, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



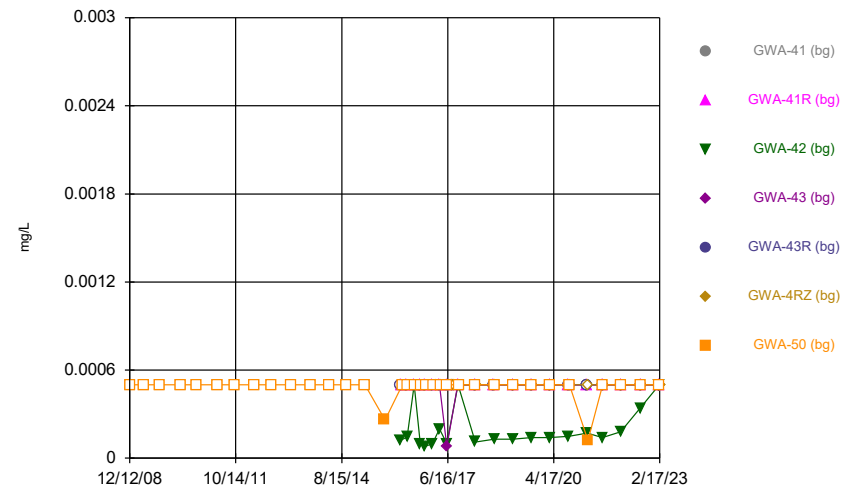
Constituent: Boron, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



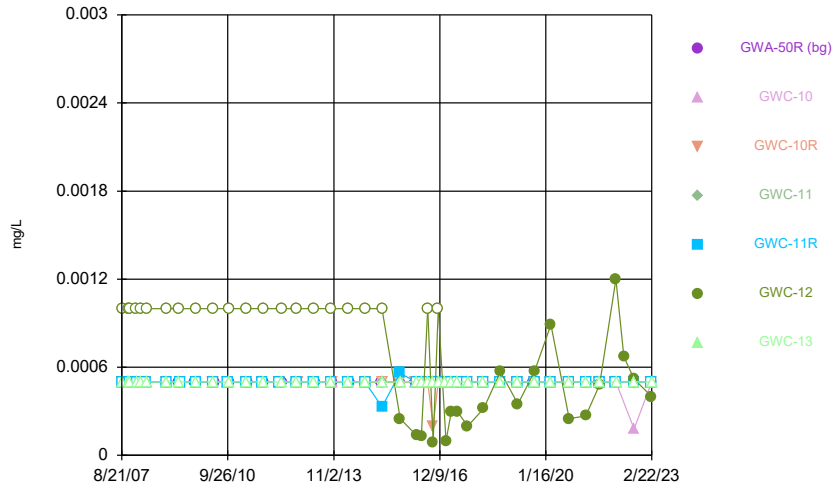
Constituent: Cadmium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



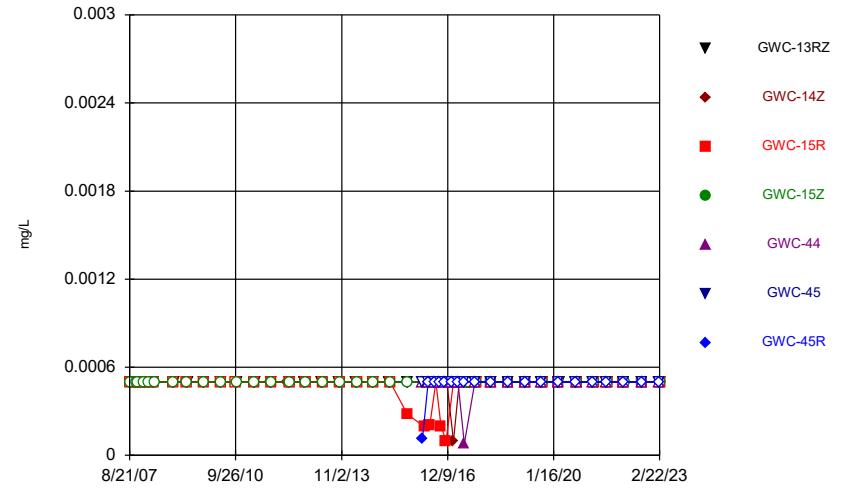
Constituent: Cadmium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



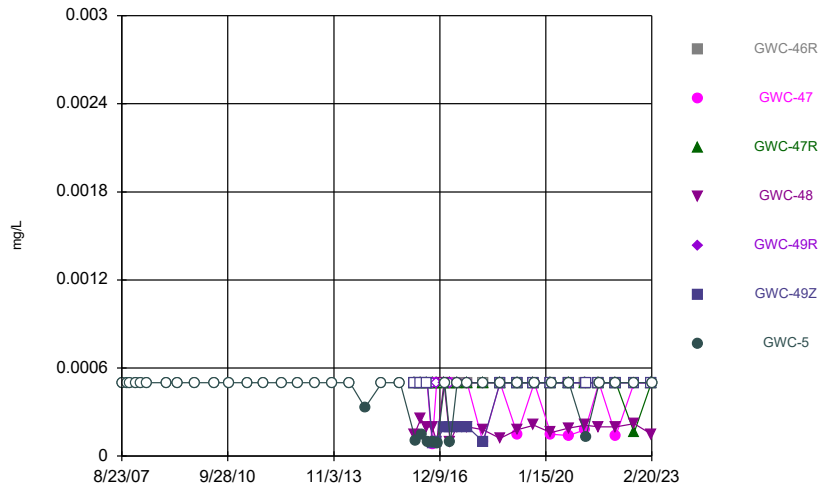
Constituent: Cadmium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



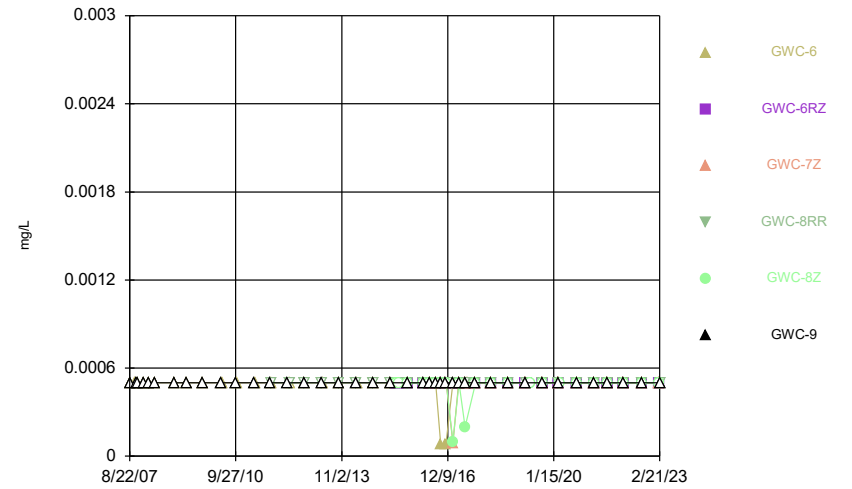
Constituent: Cadmium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



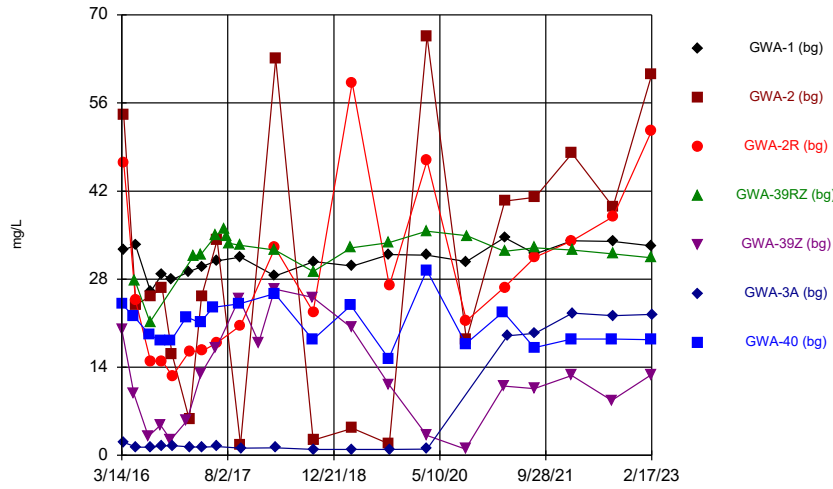
Constituent: Cadmium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



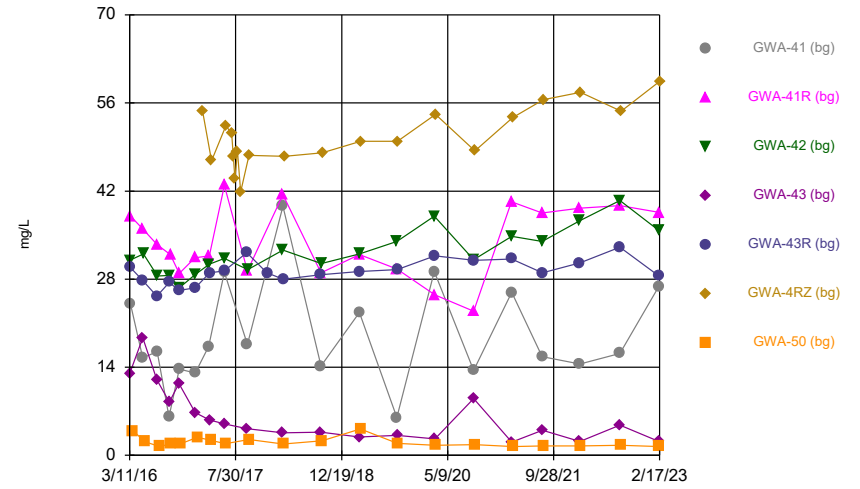
Constituent: Cadmium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



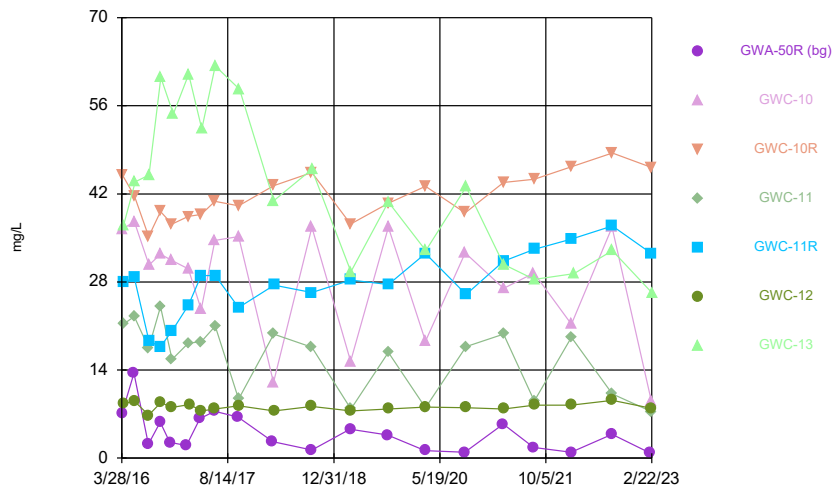
Constituent: Calcium, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



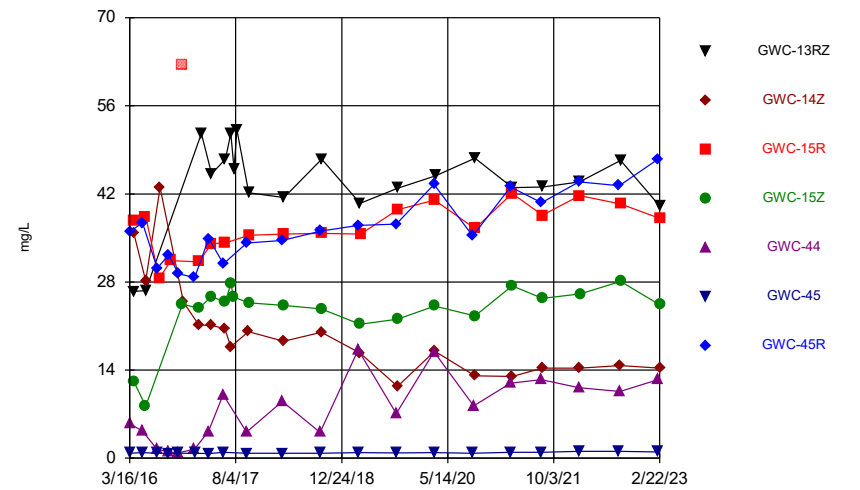
Constituent: Calcium, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



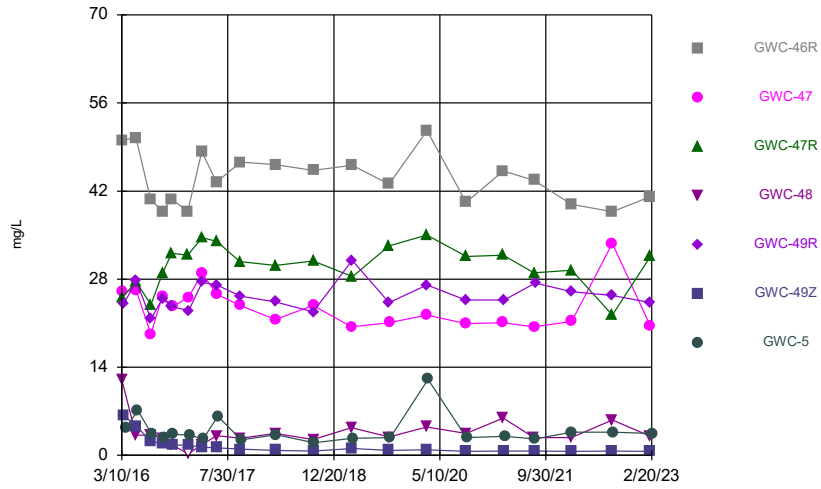
Constituent: Calcium, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



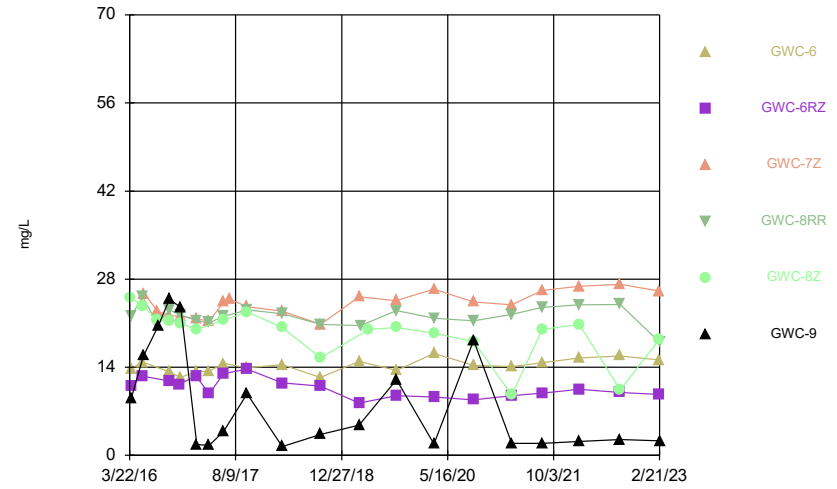
Constituent: Calcium, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



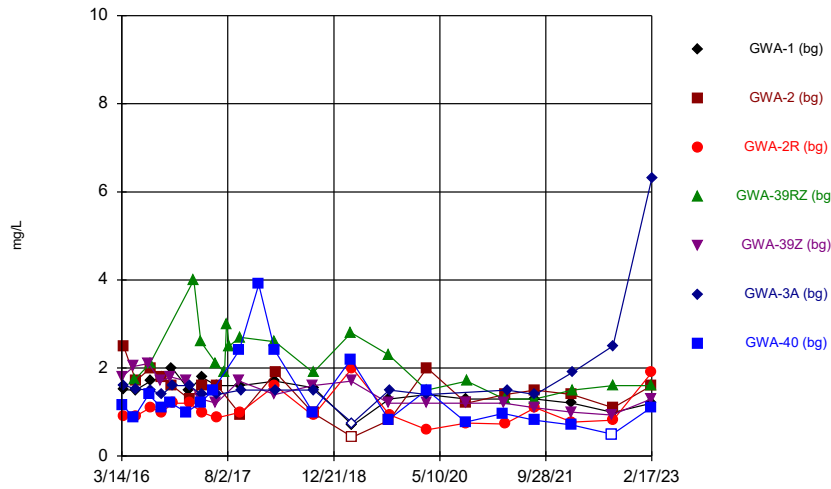
Constituent: Calcium, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



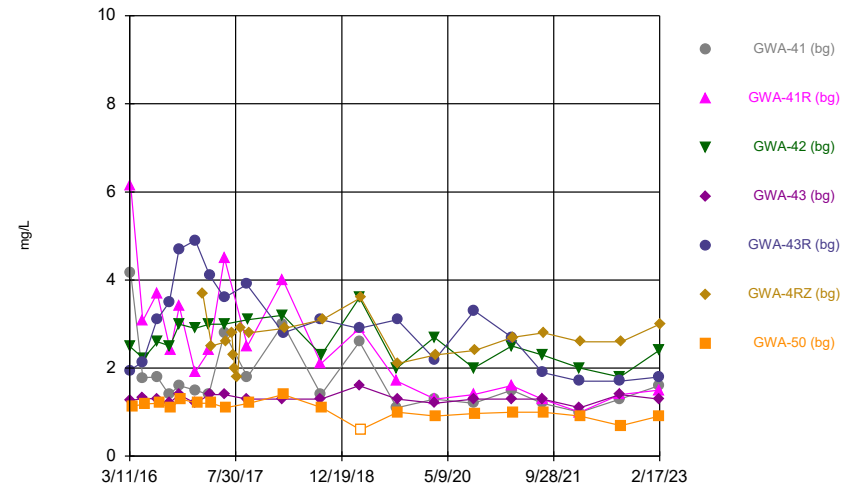
Constituent: Calcium, total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



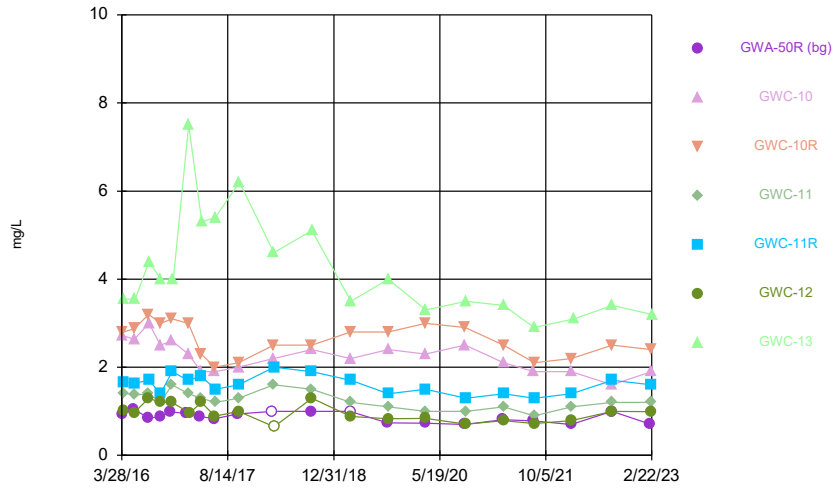
Constituent: Chloride, Total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



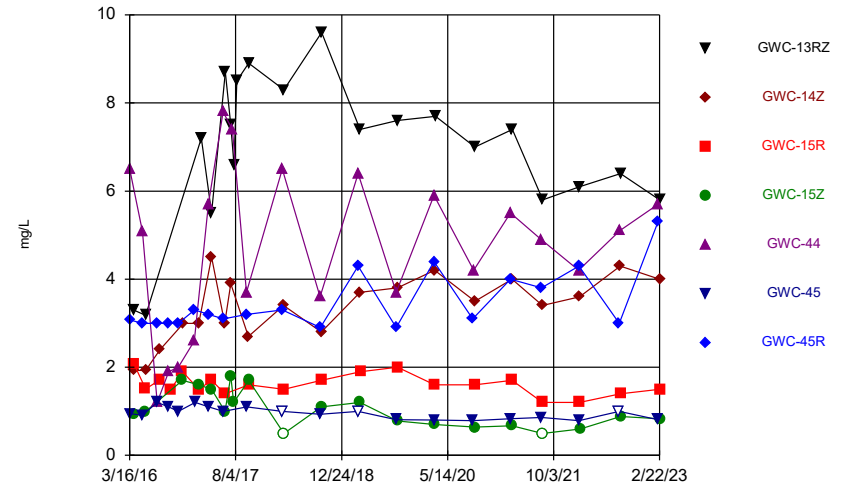
Constituent: Chloride, Total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



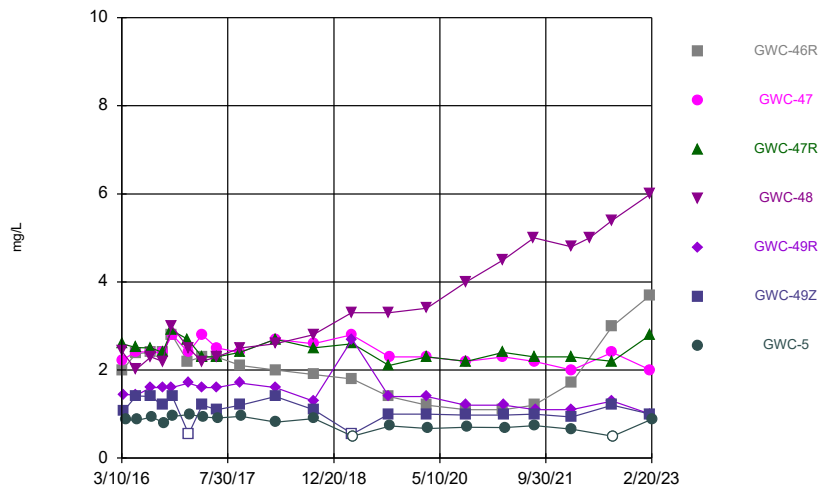
Constituent: Chloride, Total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



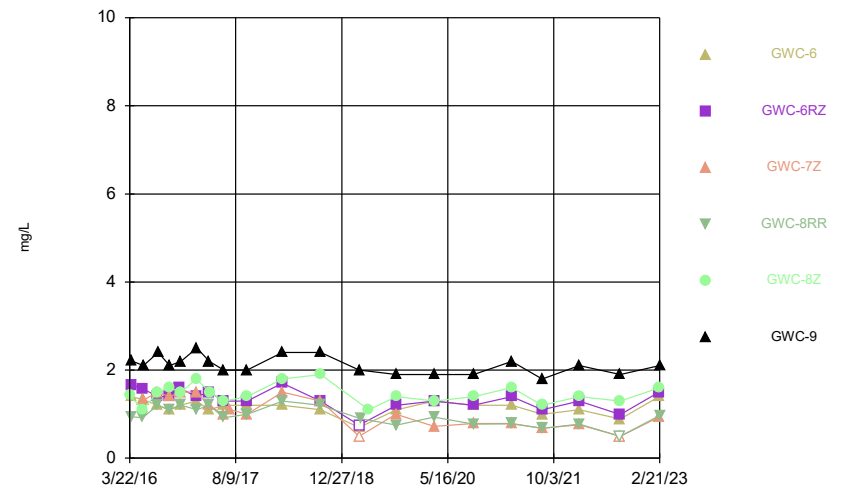
Constituent: Chloride, Total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



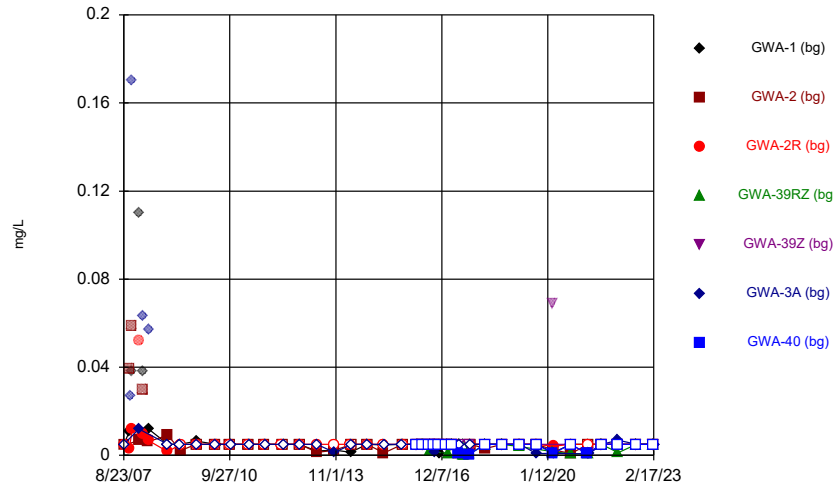
Constituent: Chloride, Total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



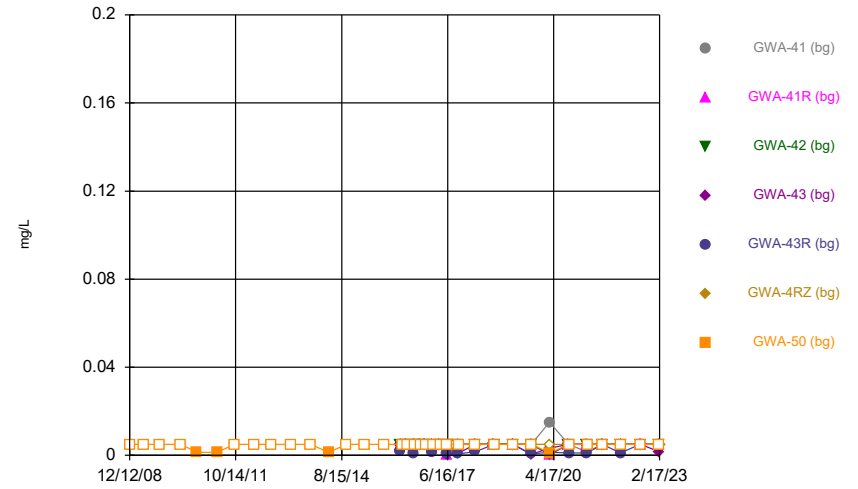
Constituent: Chloride, Total Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



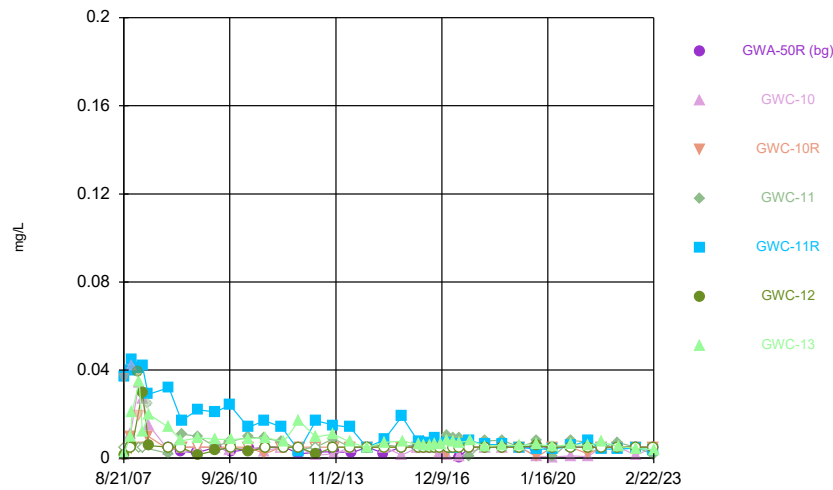
Constituent: Chromium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



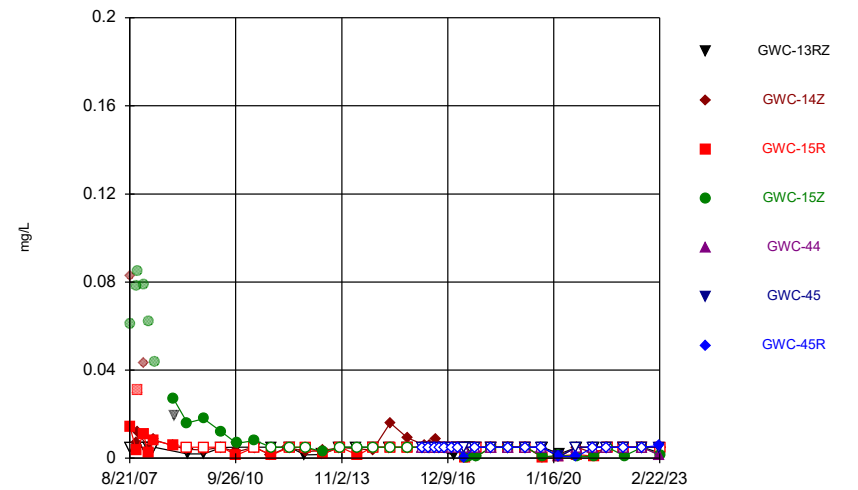
Constituent: Chromium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



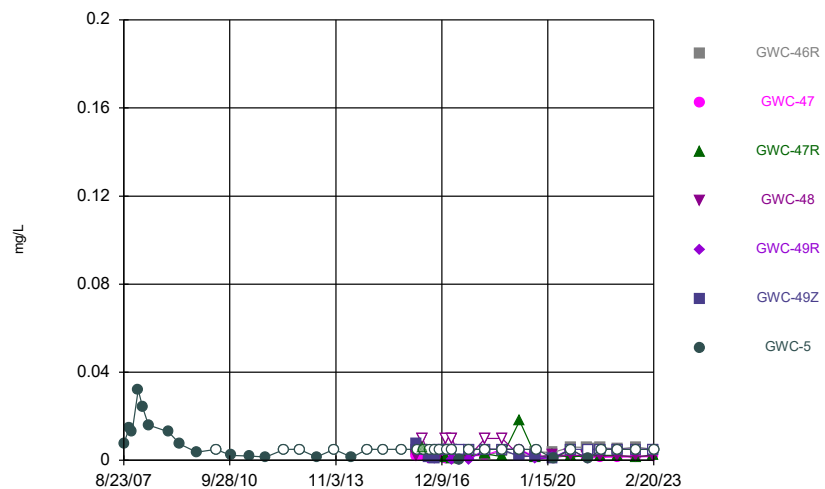
Constituent: Chromium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



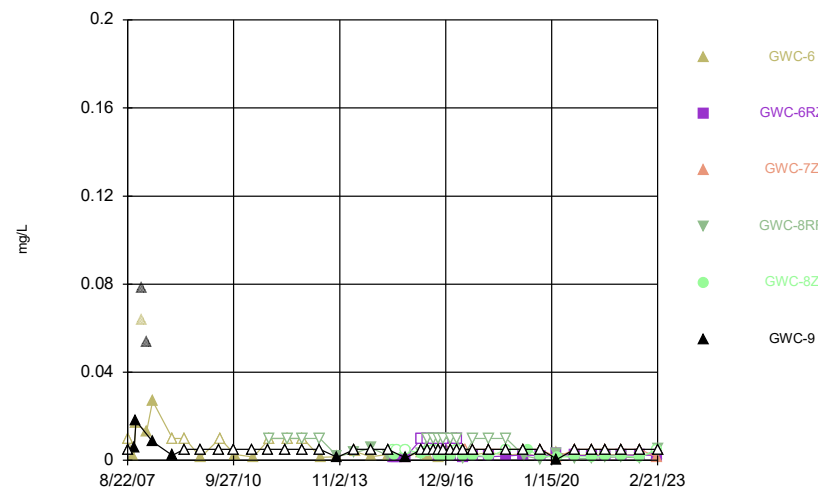
Constituent: Chromium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



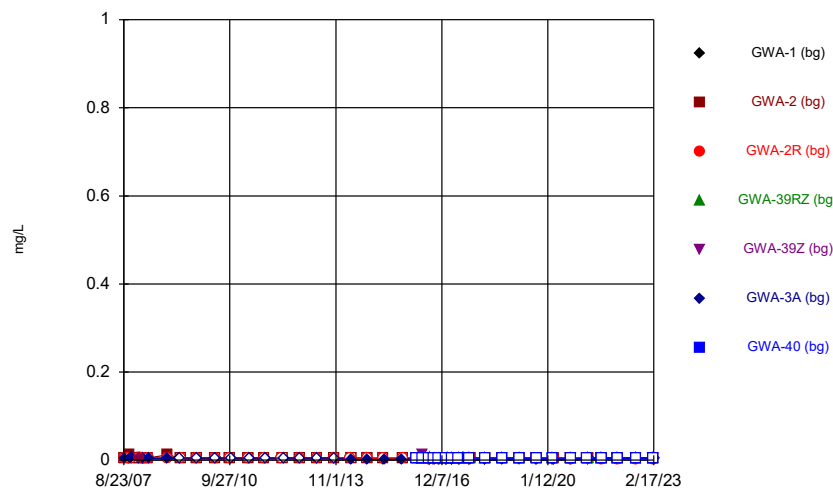
Constituent: Chromium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



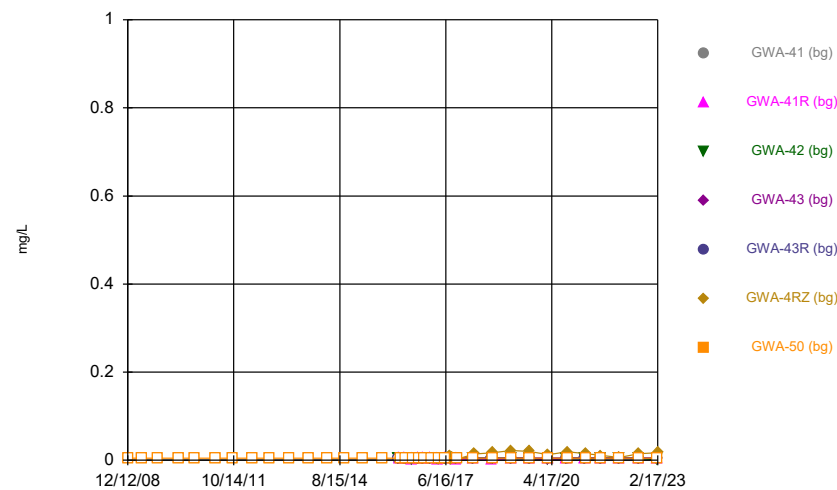
Constituent: Chromium Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



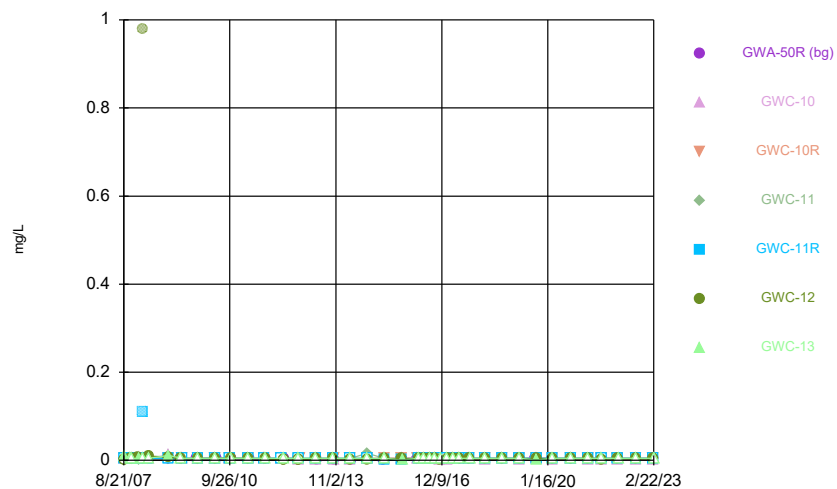
Constituent: Cobalt Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



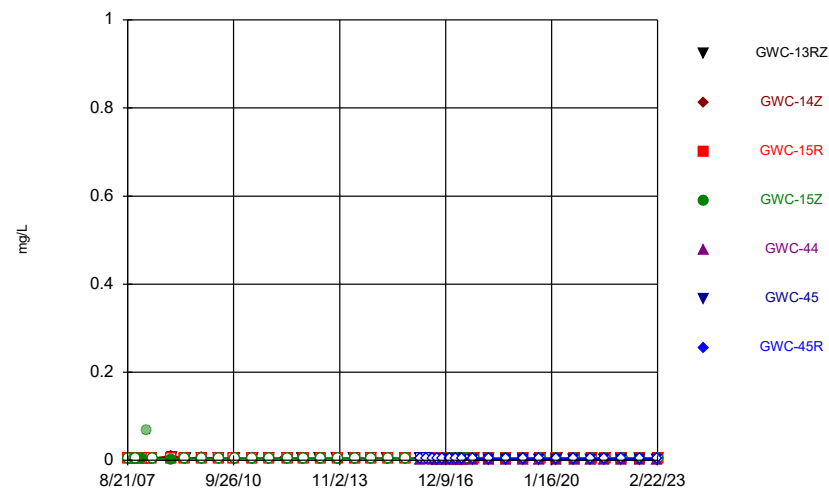
Constituent: Cobalt Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



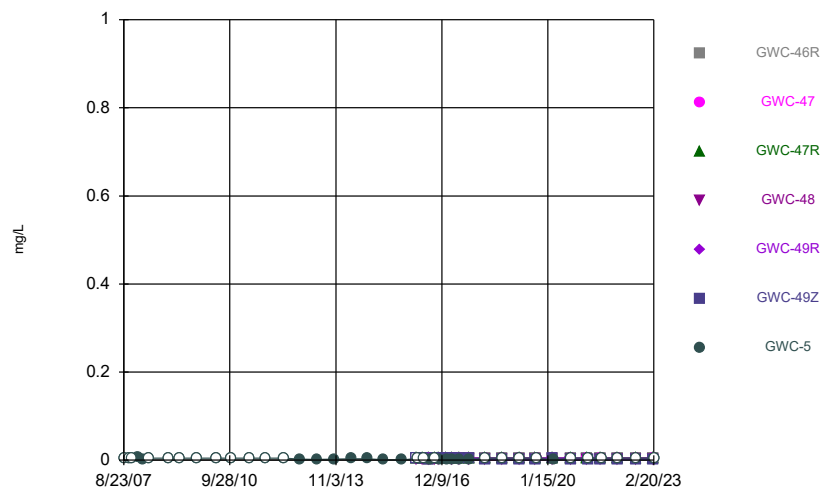
Constituent: Cobalt Analysis Run 3/31/2023 12:02 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



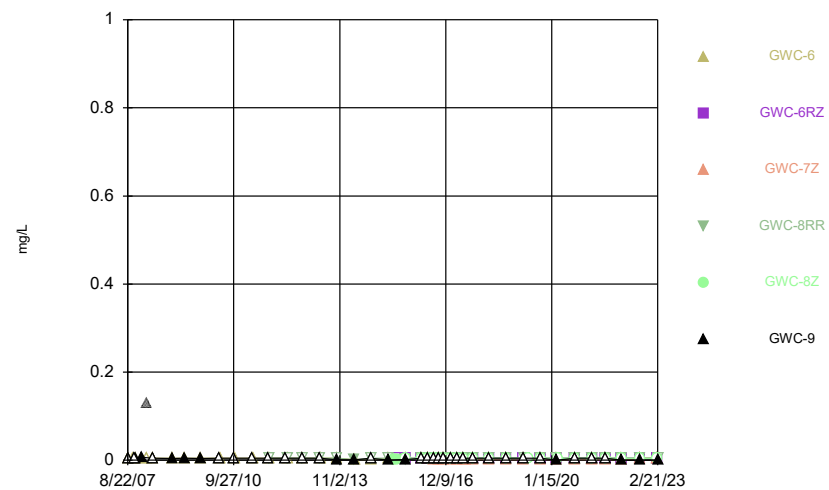
Constituent: Cobalt Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



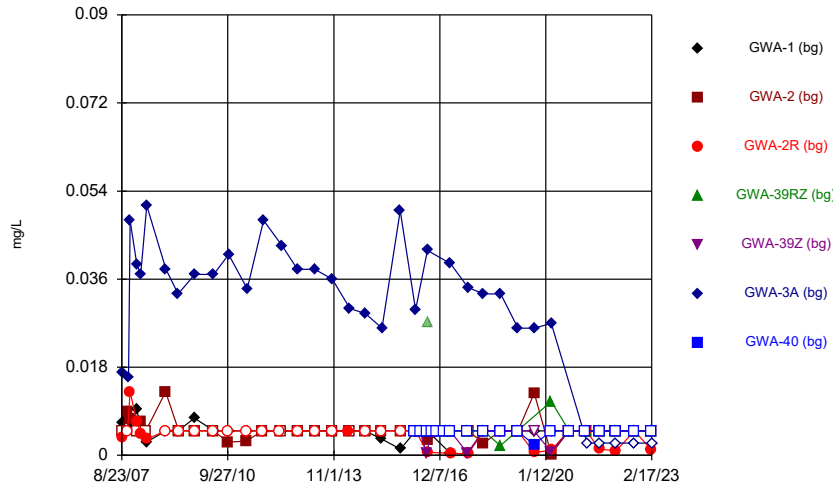
Constituent: Cobalt Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



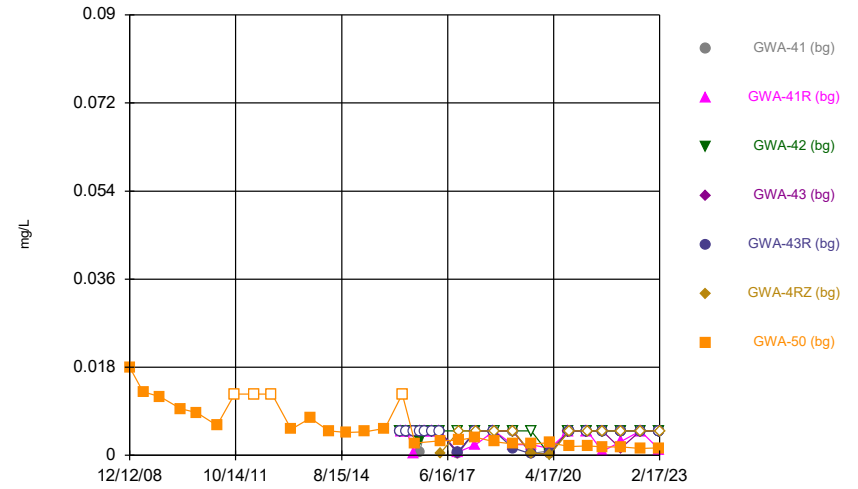
Constituent: Cobalt Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



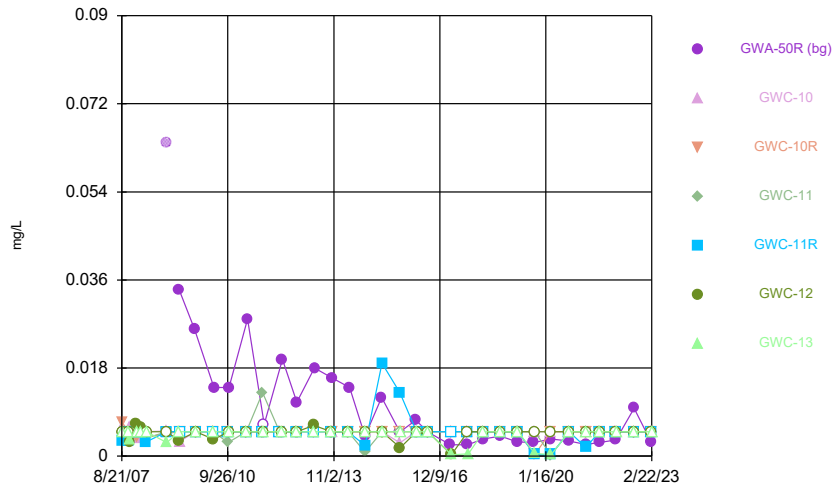
Constituent: Copper Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



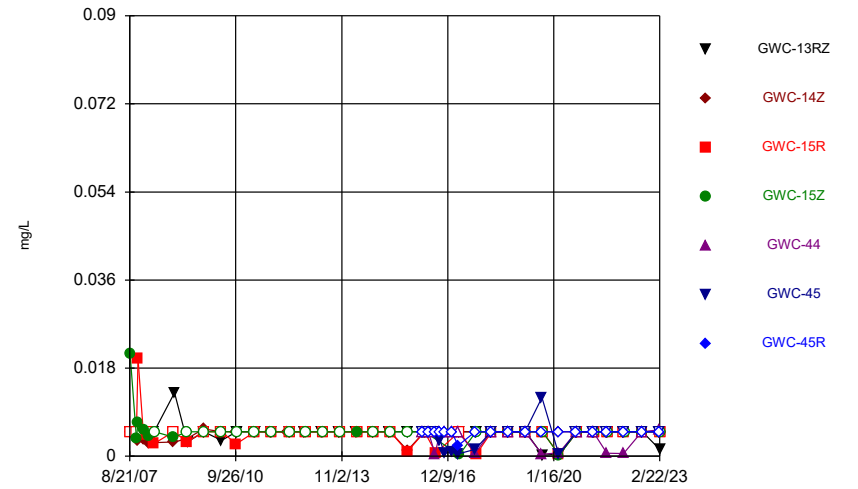
Constituent: Copper Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



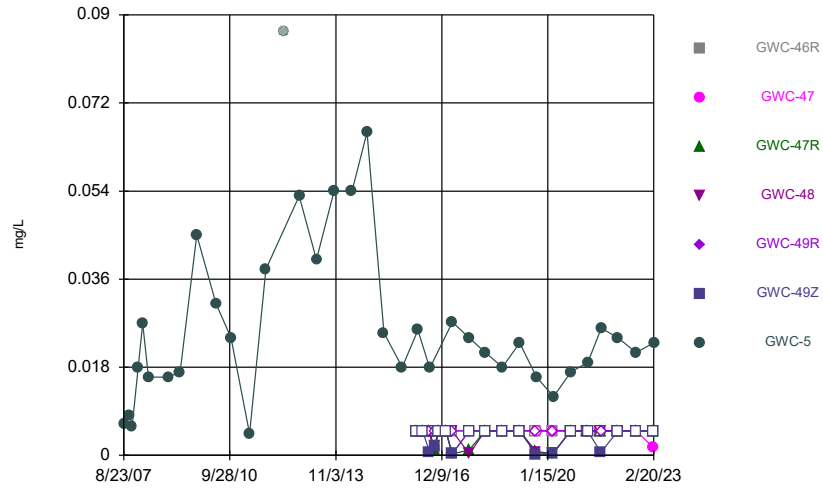
Constituent: Copper Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



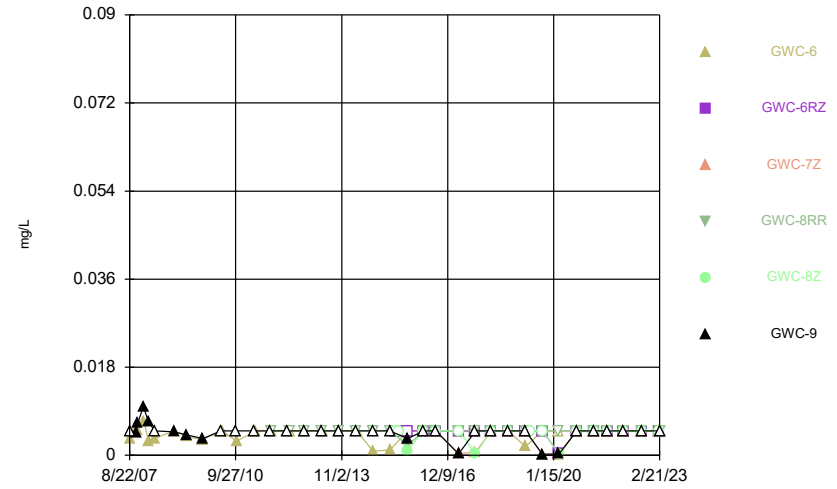
Constituent: Copper Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



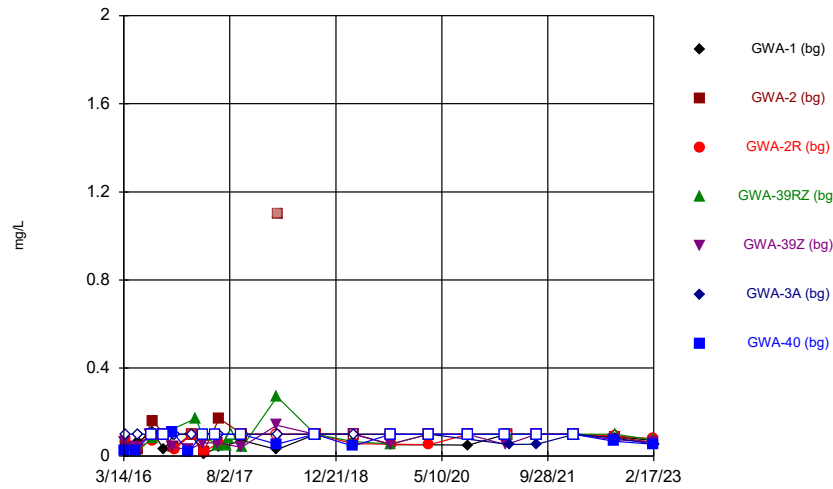
Constituent: Copper Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



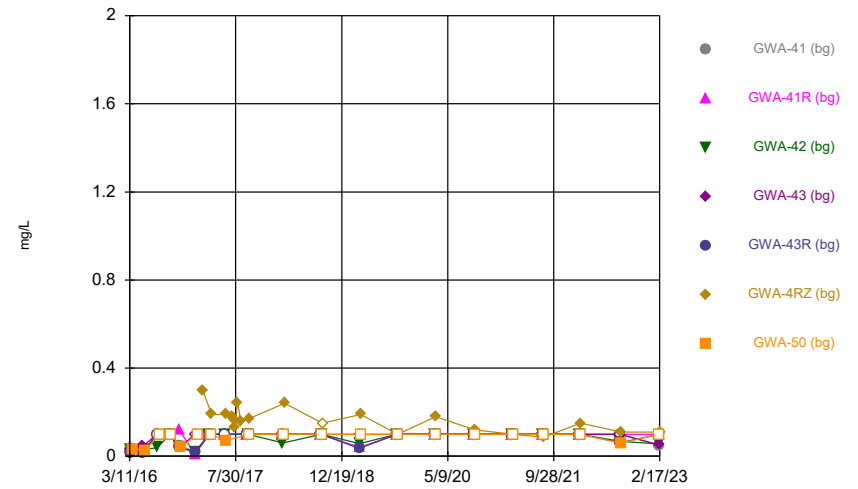
Constituent: Copper Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



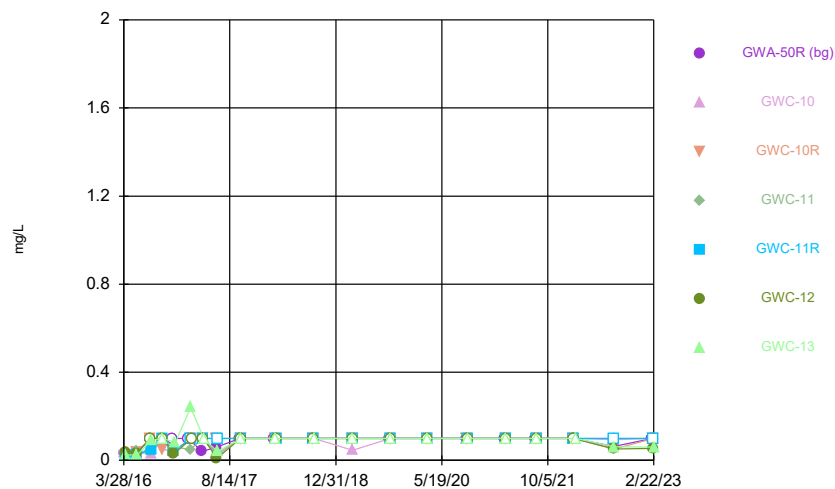
Constituent: Fluoride, total Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



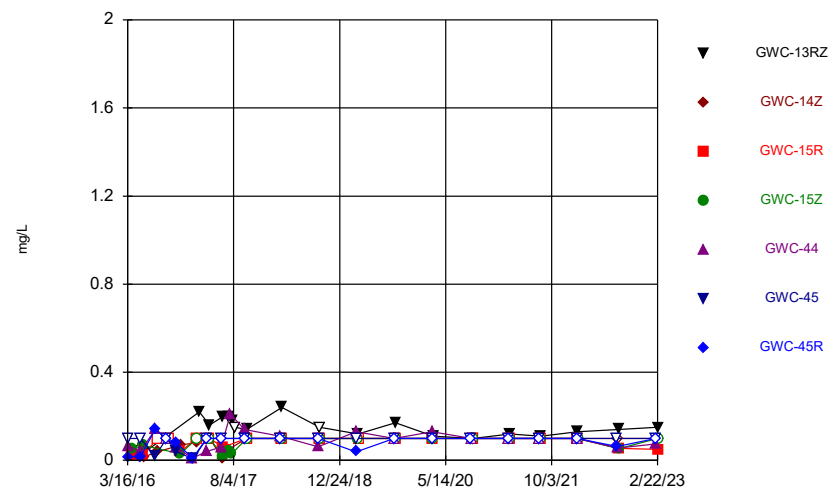
Constituent: Fluoride, total Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



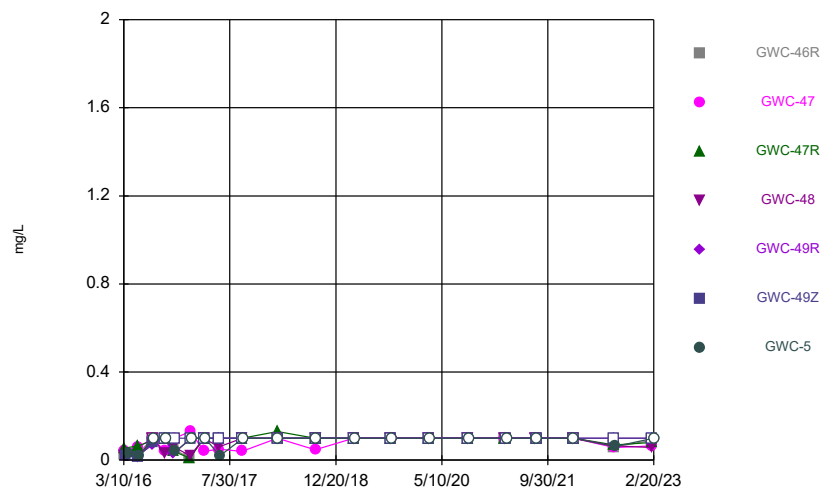
Constituent: Fluoride, total Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



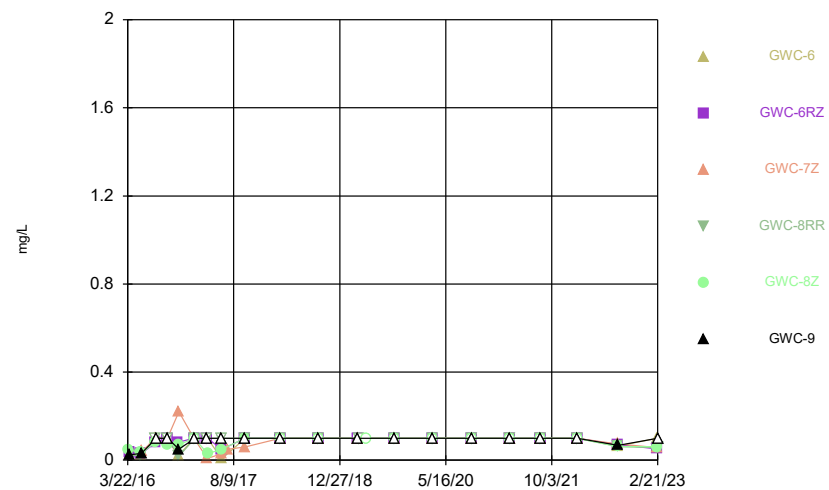
Constituent: Fluoride, total Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



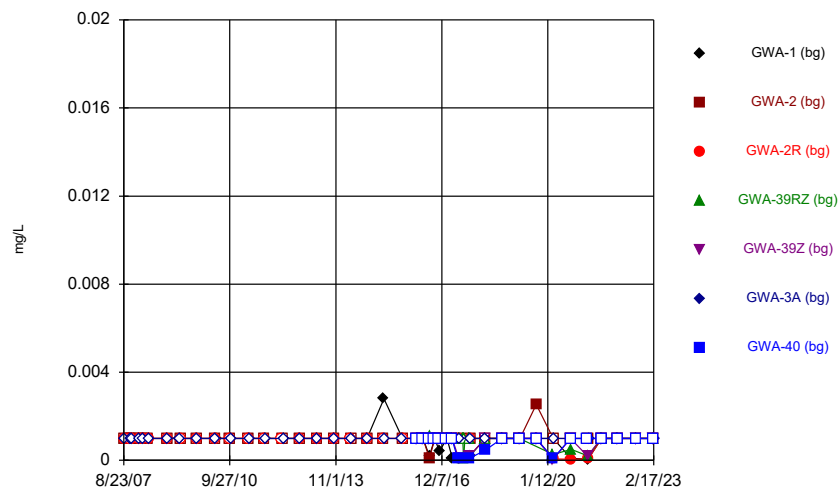
Constituent: Fluoride, total Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



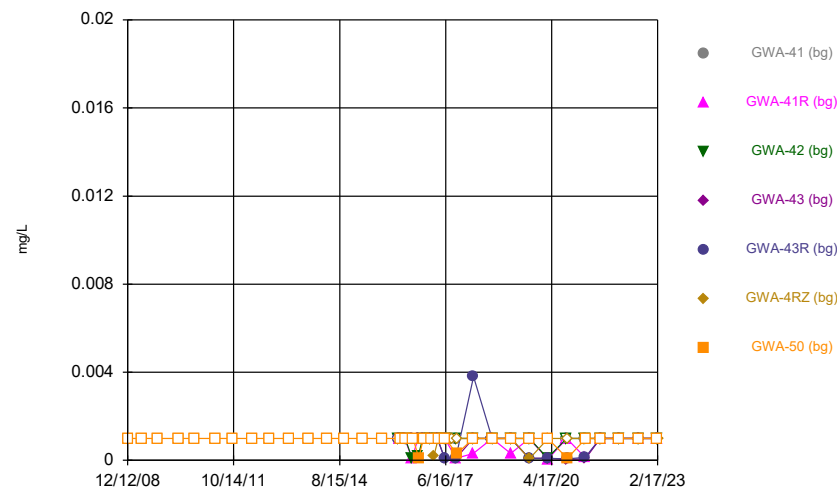
Constituent: Fluoride, total Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



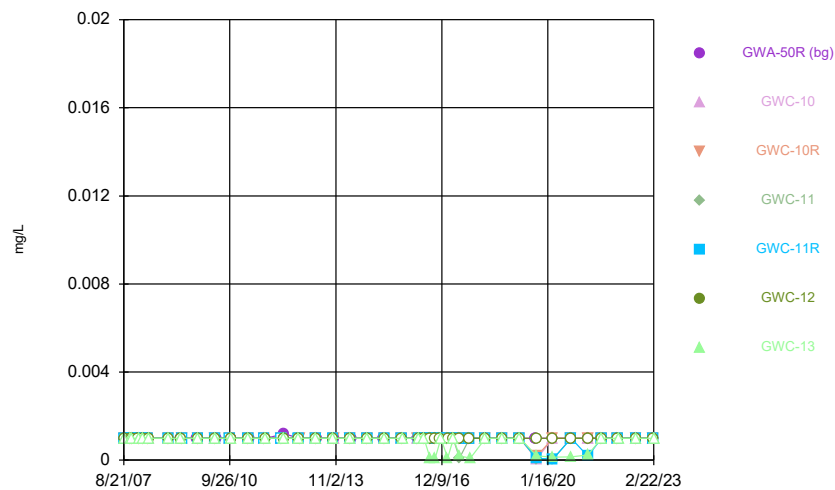
Constituent: Lead Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



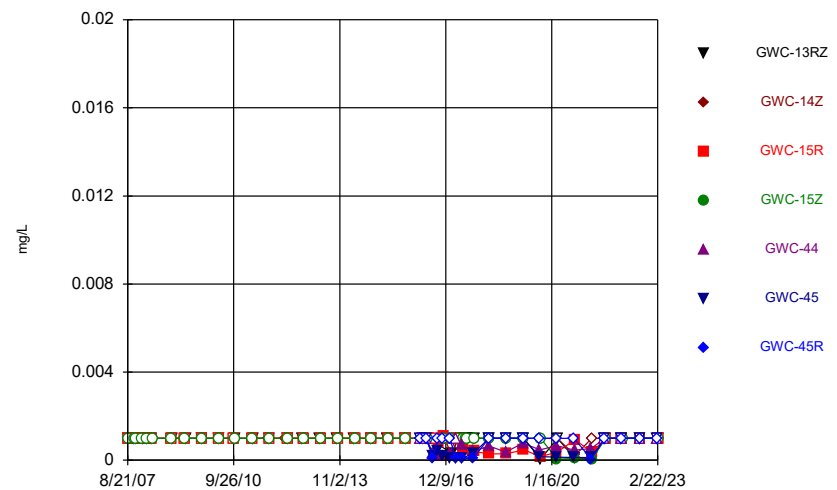
Constituent: Lead Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



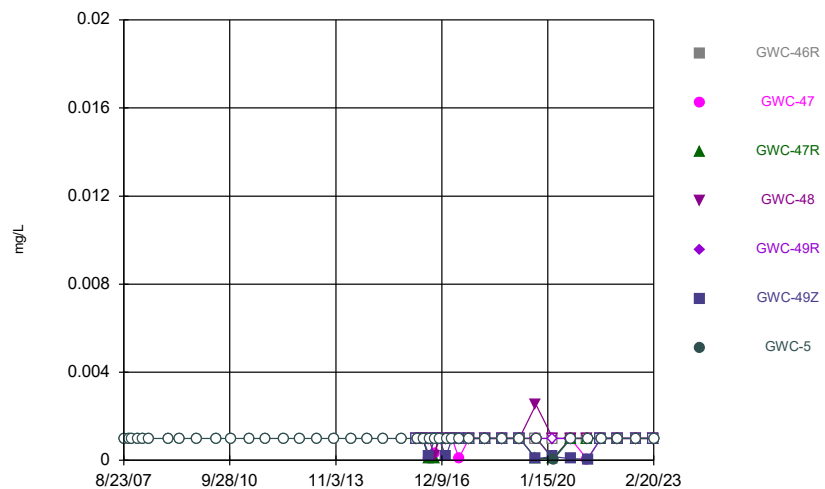
Constituent: Lead Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



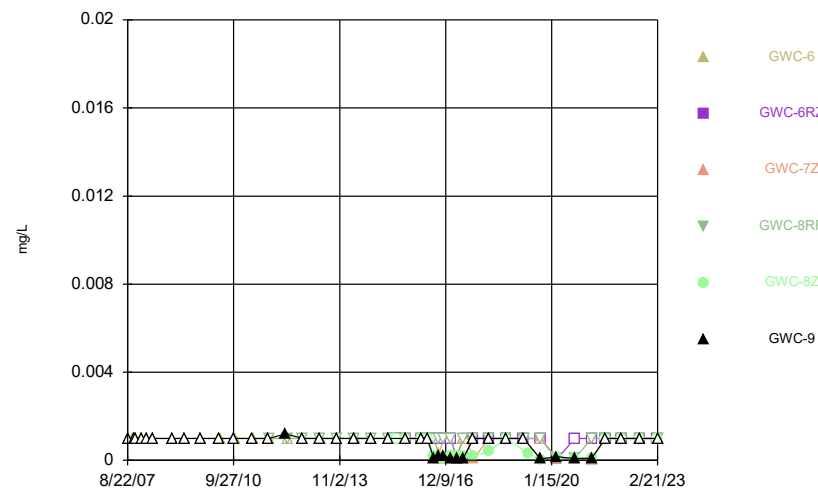
Constituent: Lead Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



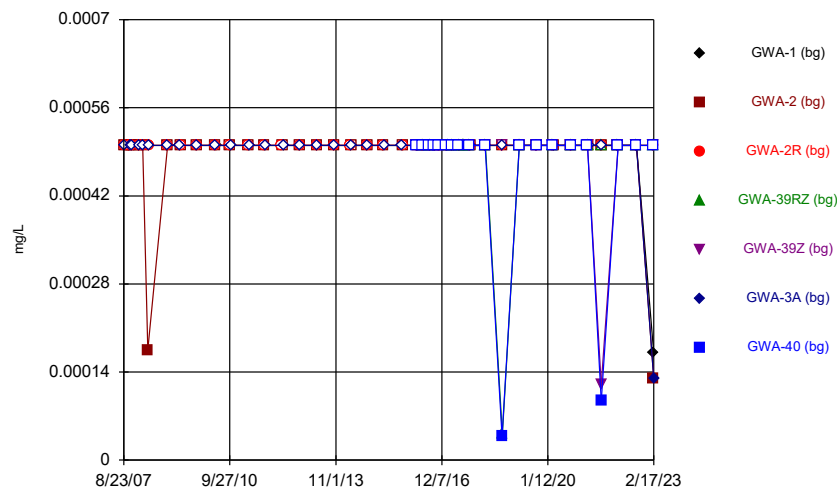
Constituent: Lead Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



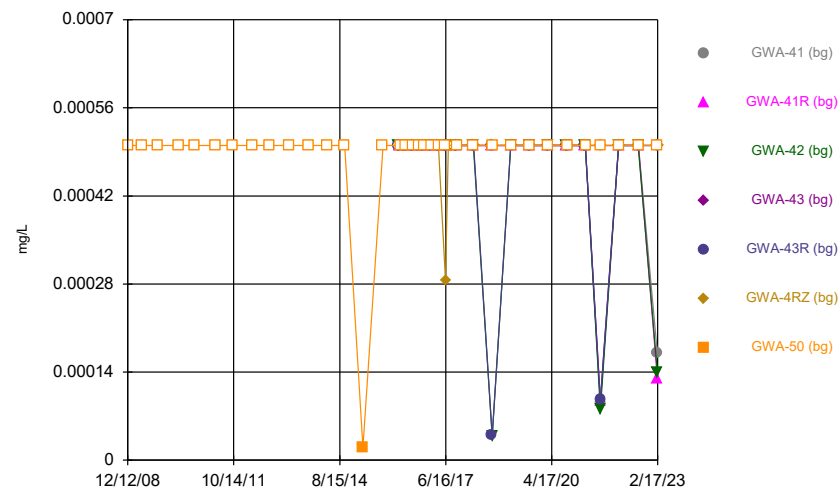
Constituent: Lead Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



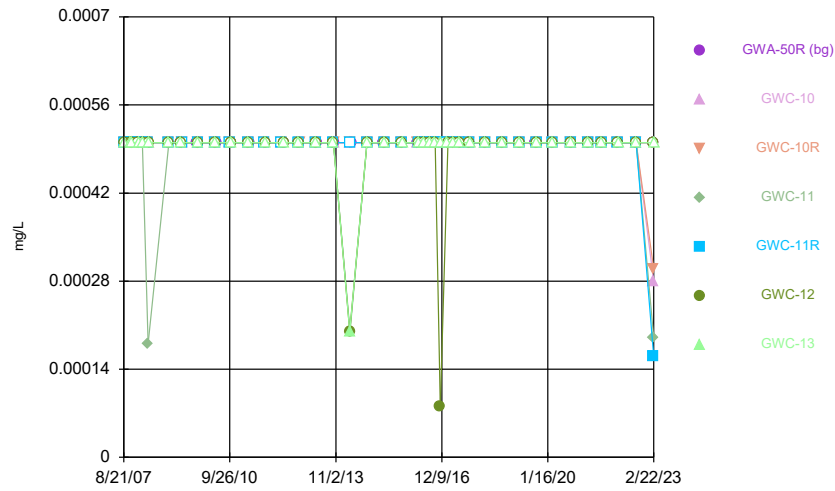
Constituent: Mercury Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



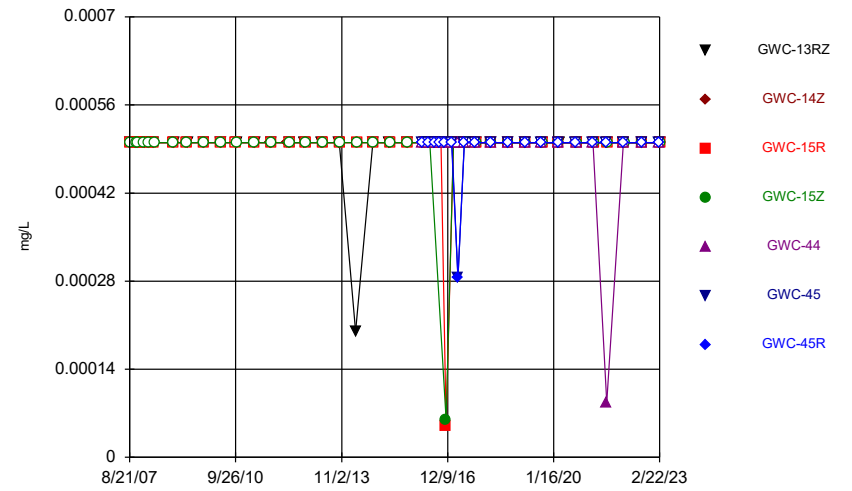
Constituent: Mercury Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



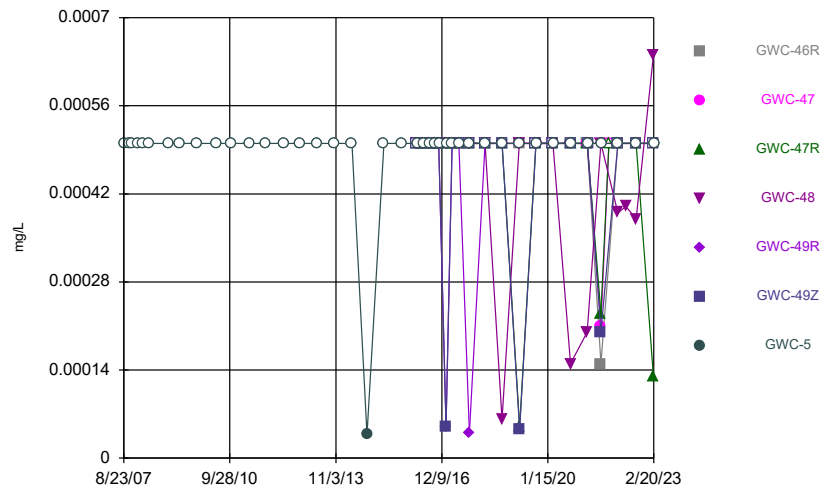
Constituent: Mercury Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



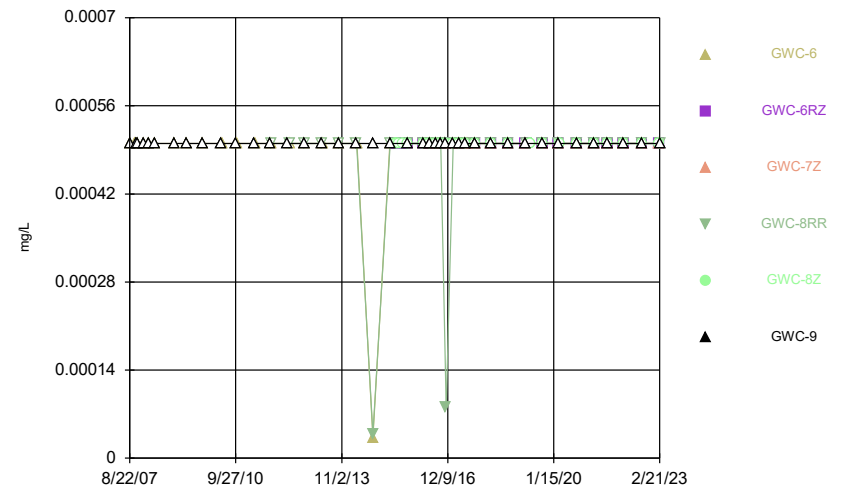
Constituent: Mercury Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



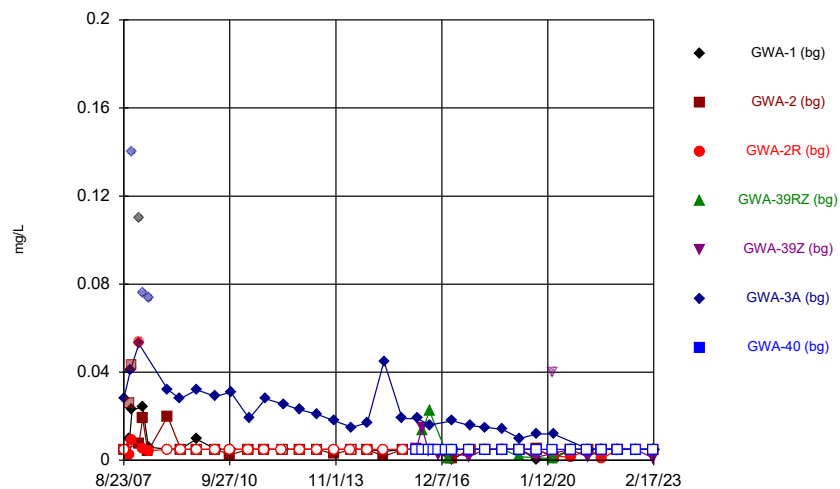
Constituent: Mercury Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



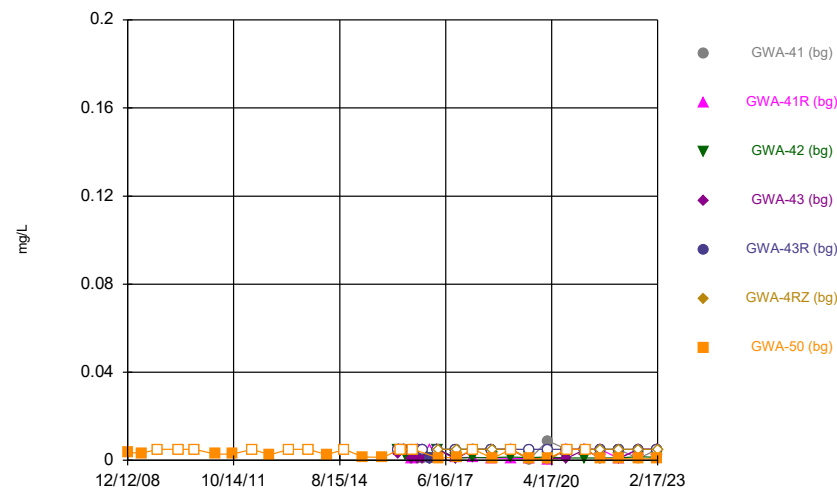
Constituent: Mercury Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



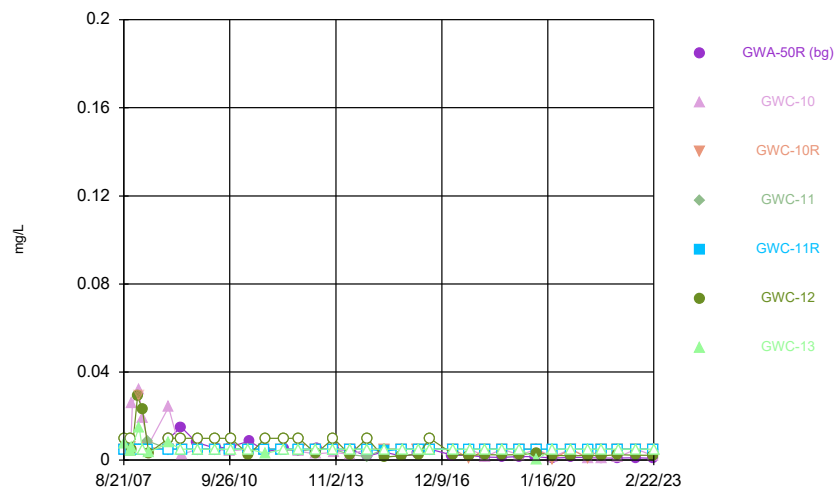
Constituent: Nickel Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



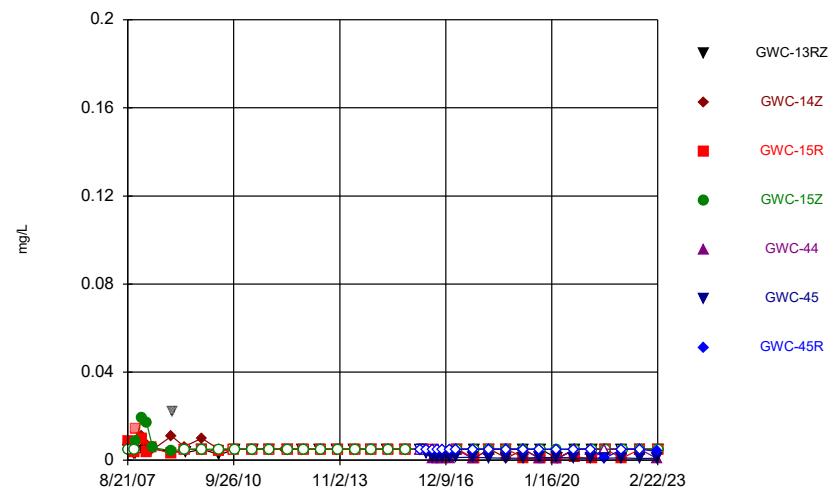
Constituent: Nickel Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



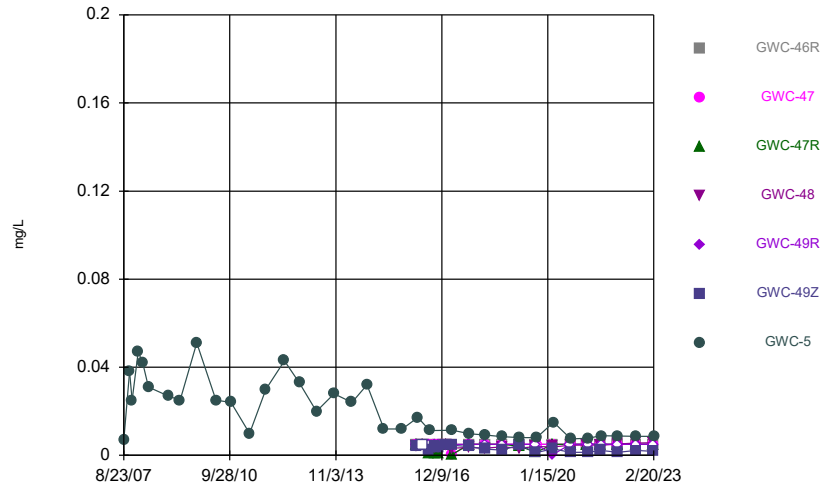
Constituent: Nickel Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



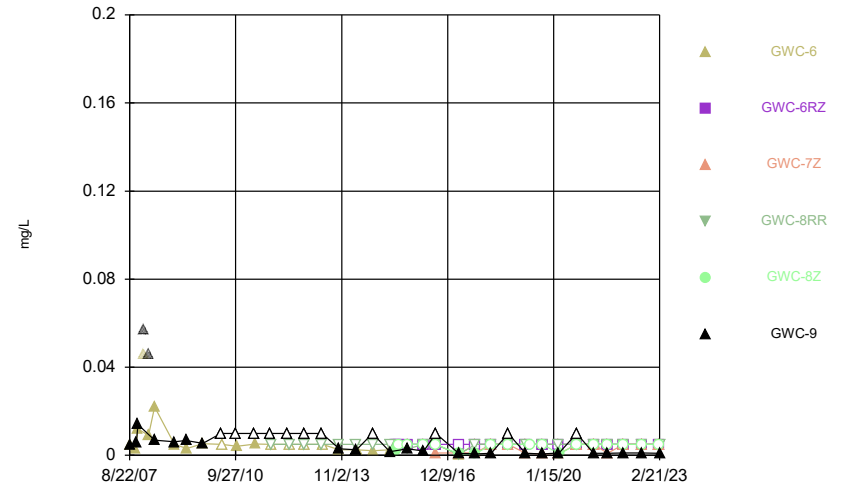
Constituent: Nickel Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



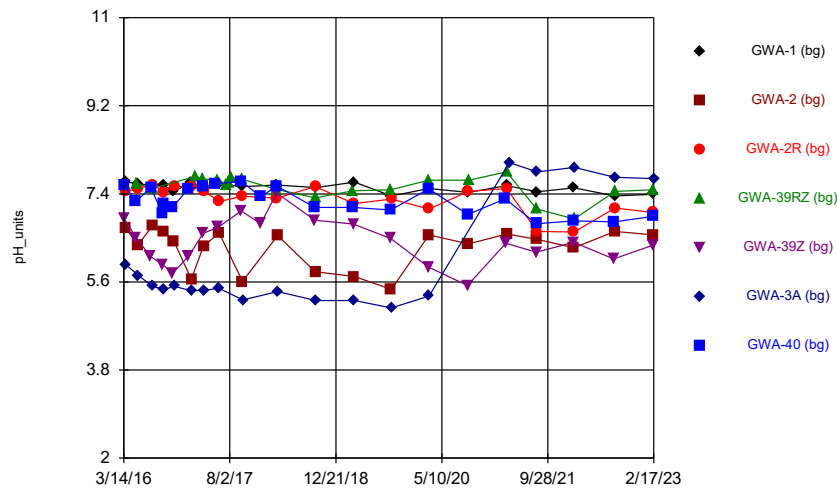
Constituent: Nickel Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



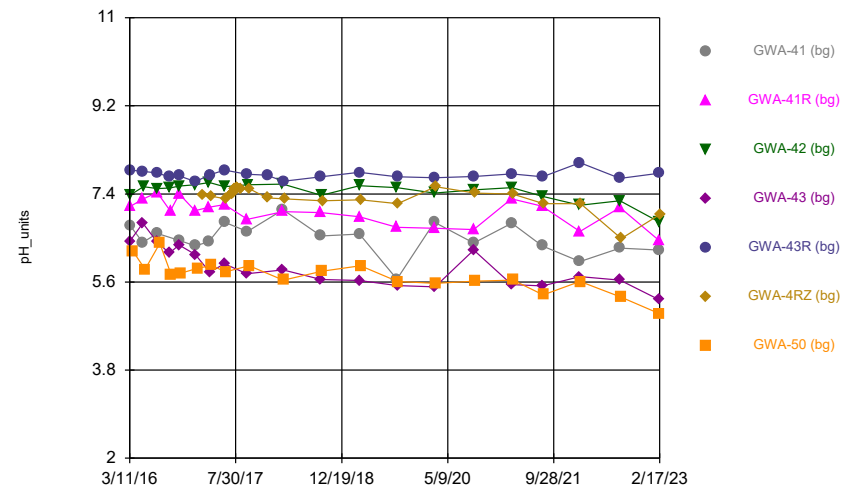
Constituent: Nickel Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



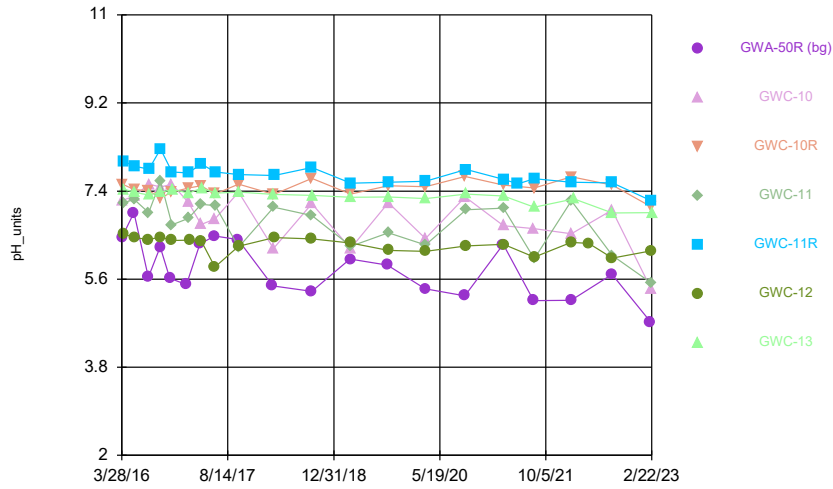
Constituent: pH Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



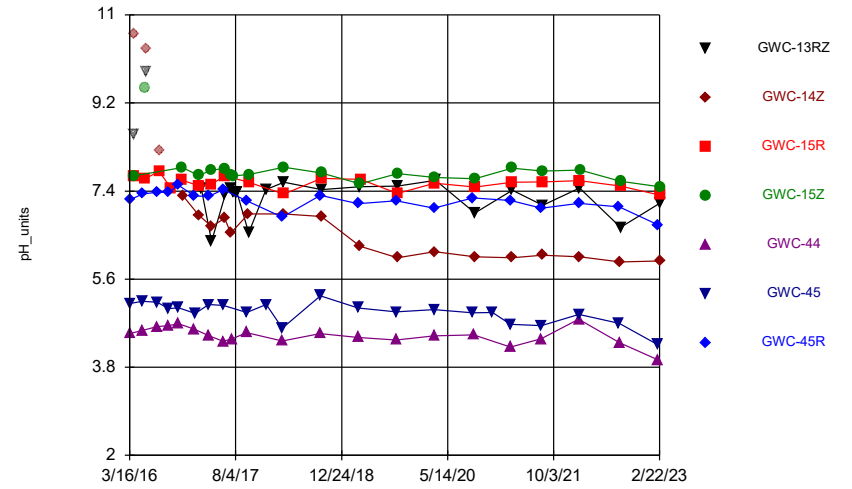
Constituent: pH Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



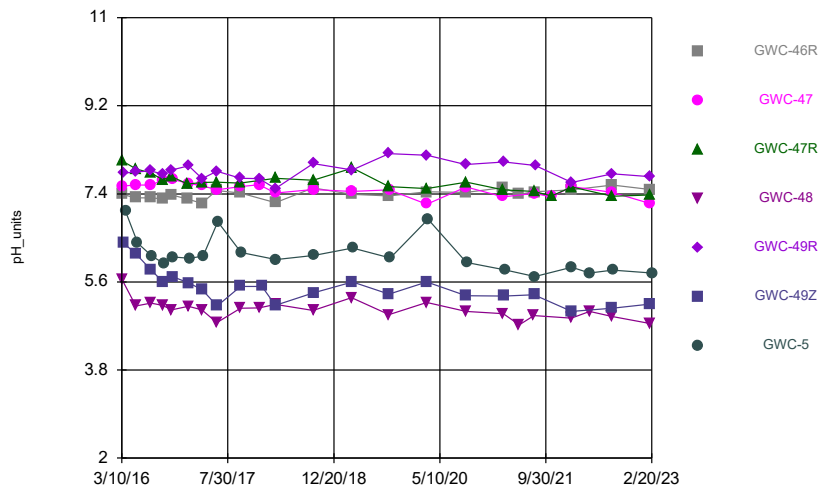
Constituent: pH Analysis Run 3/31/2023 12:03 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



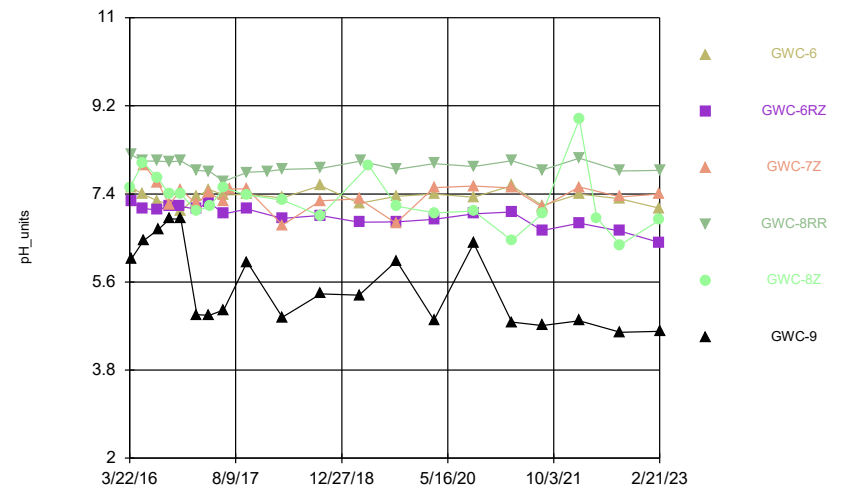
Constituent: pH Analysis Run 3/31/2023 12:03 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



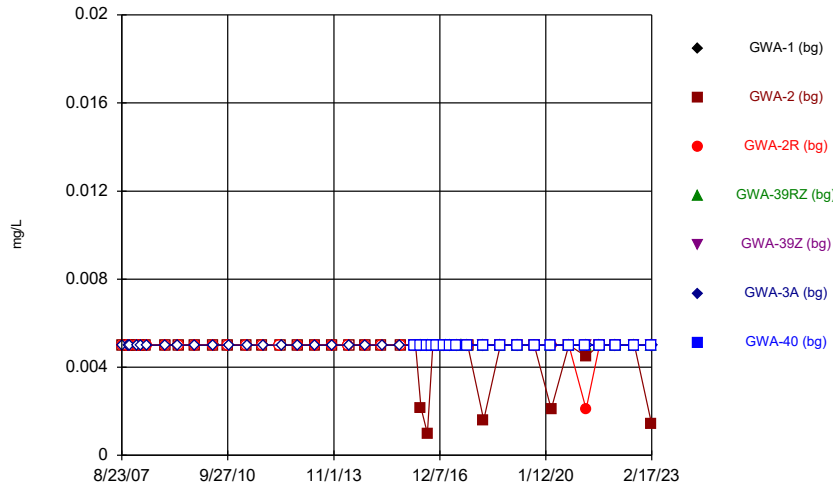
Constituent: pH Analysis Run 3/31/2023 12:03 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



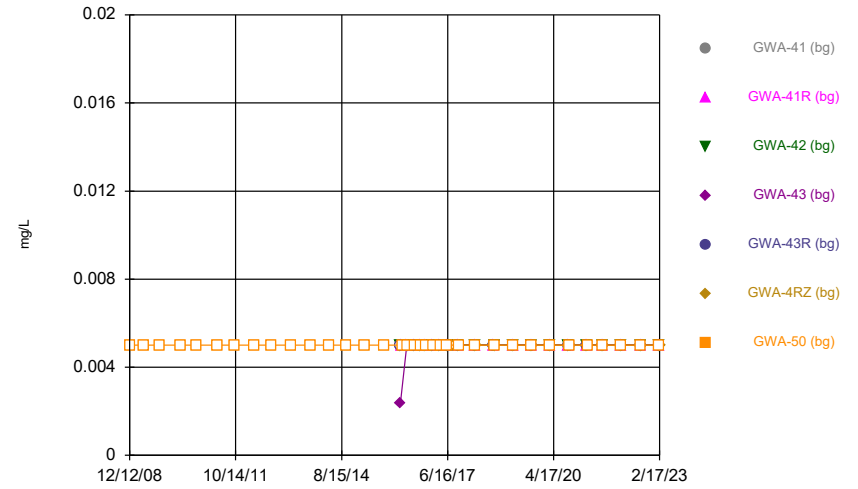
Constituent: pH Analysis Run 3/31/2023 12:03 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



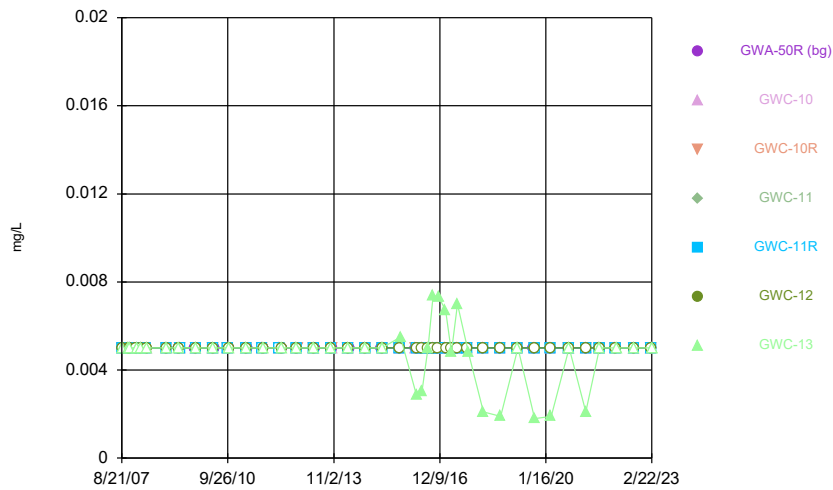
Constituent: Selenium Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



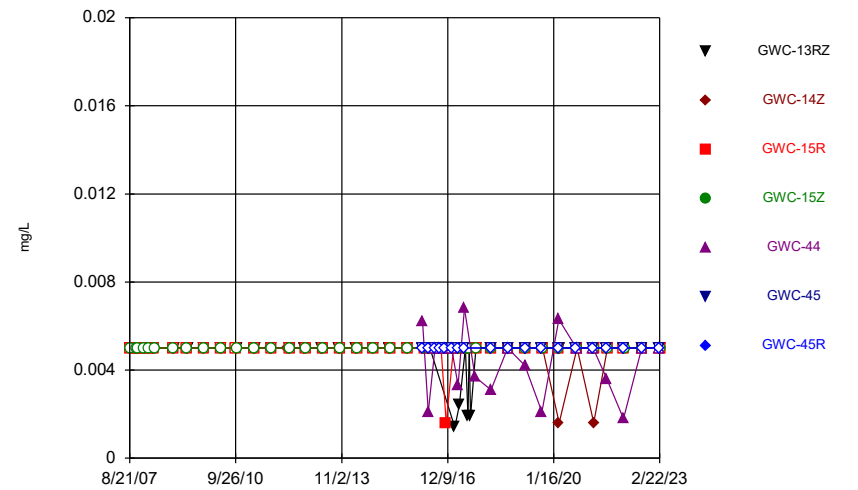
Constituent: Selenium Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



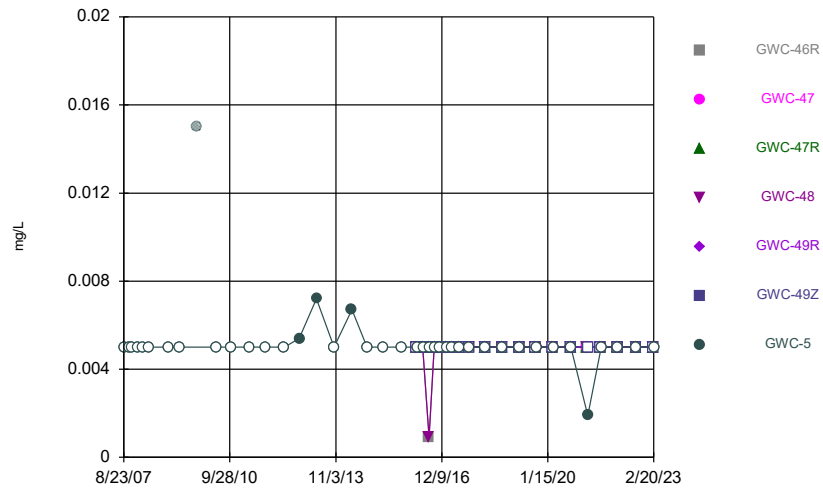
Constituent: Selenium Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



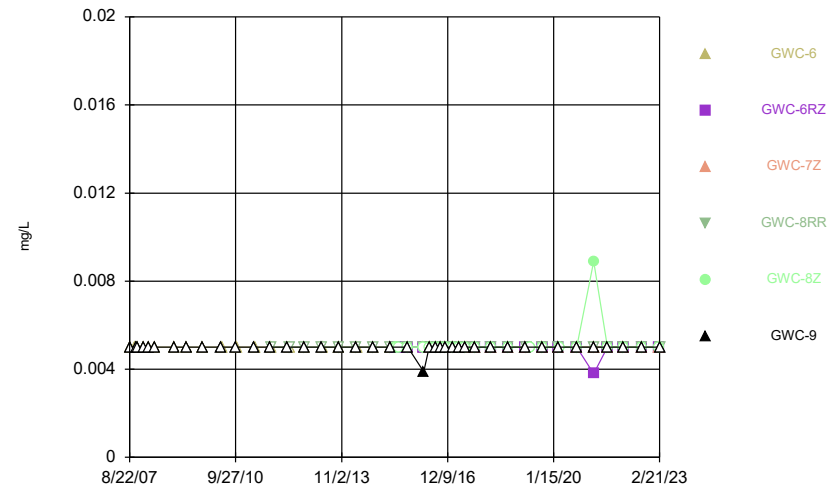
Constituent: Selenium Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



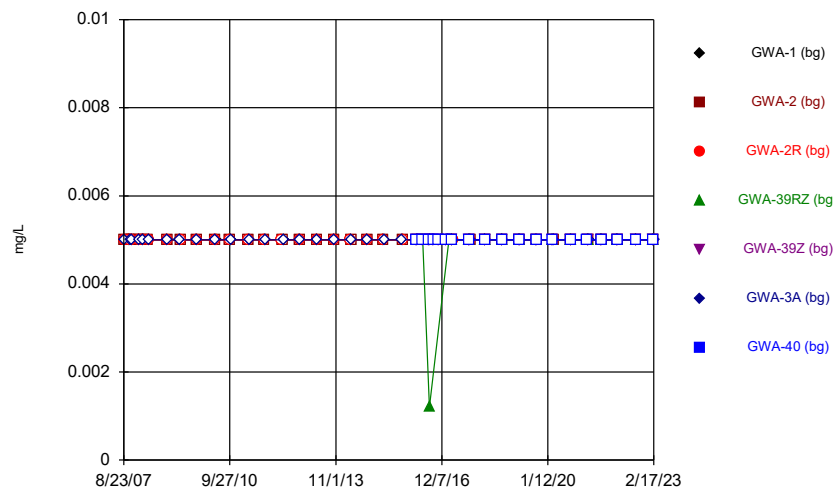
Constituent: Selenium Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



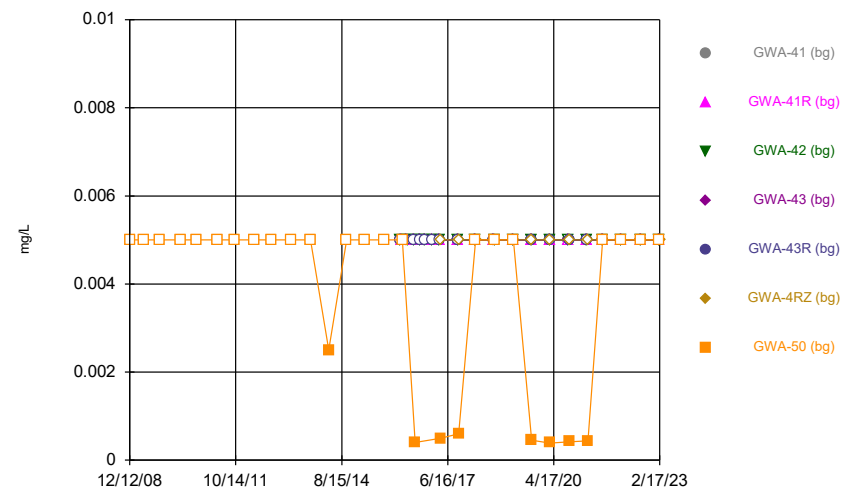
Constituent: Selenium Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



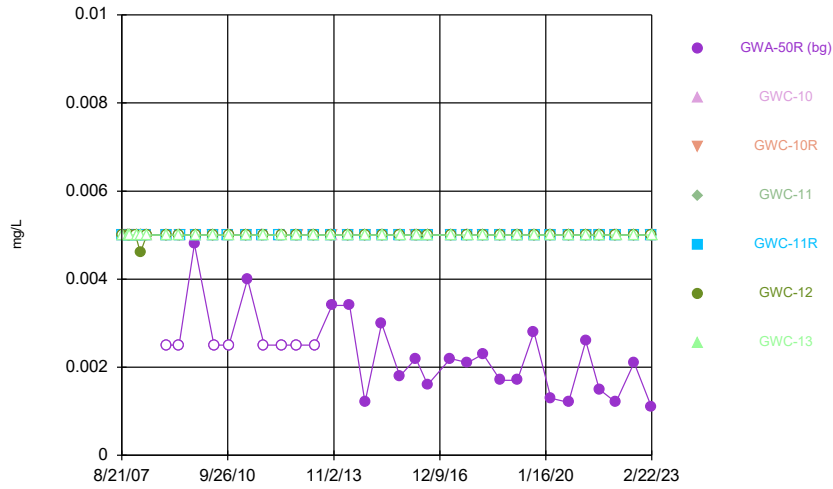
Constituent: Silver Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



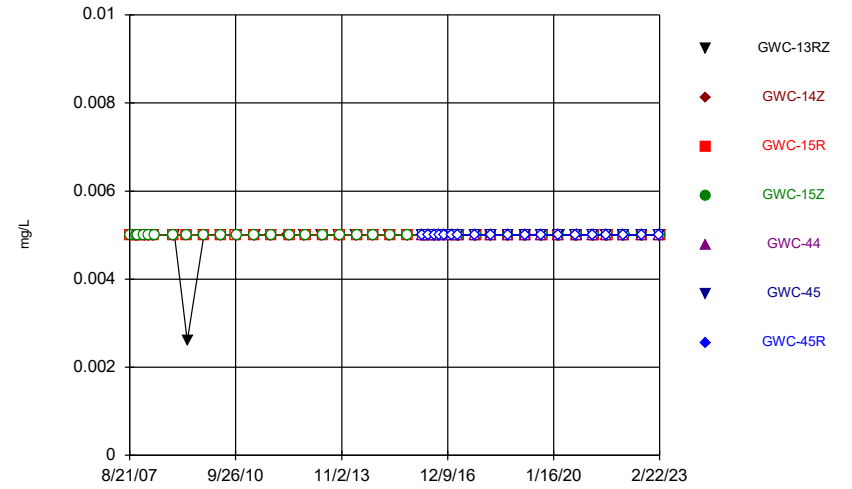
Constituent: Silver Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



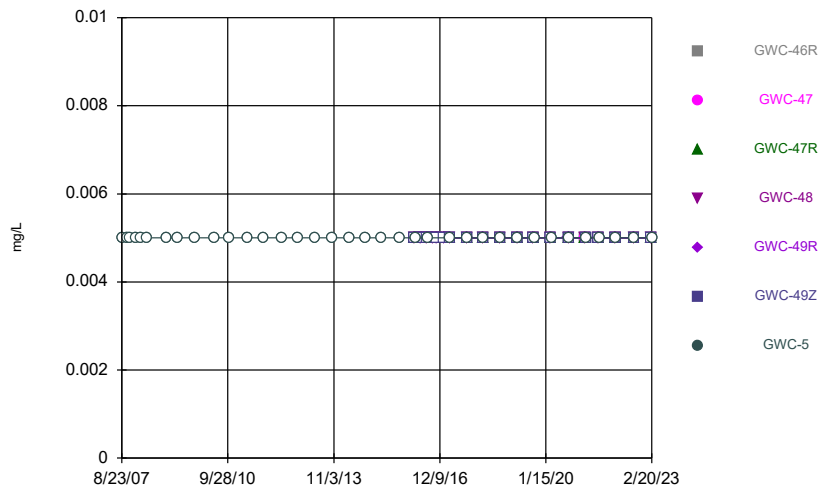
Constituent: Silver Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



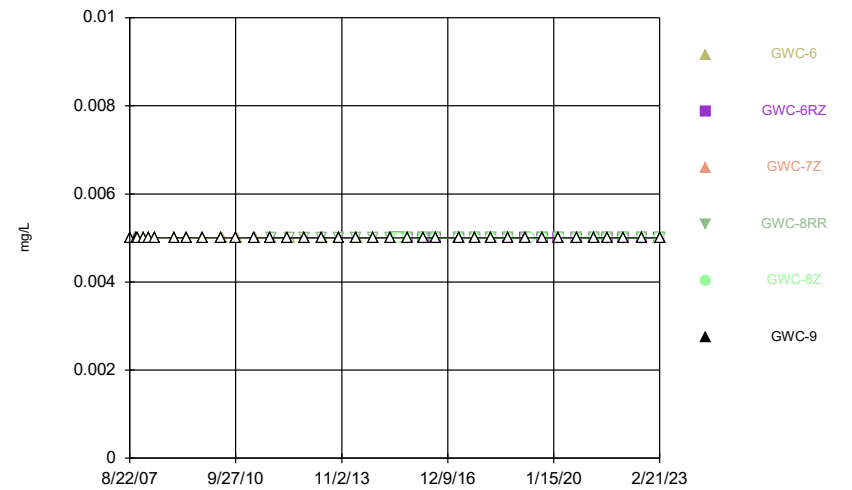
Constituent: Silver Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



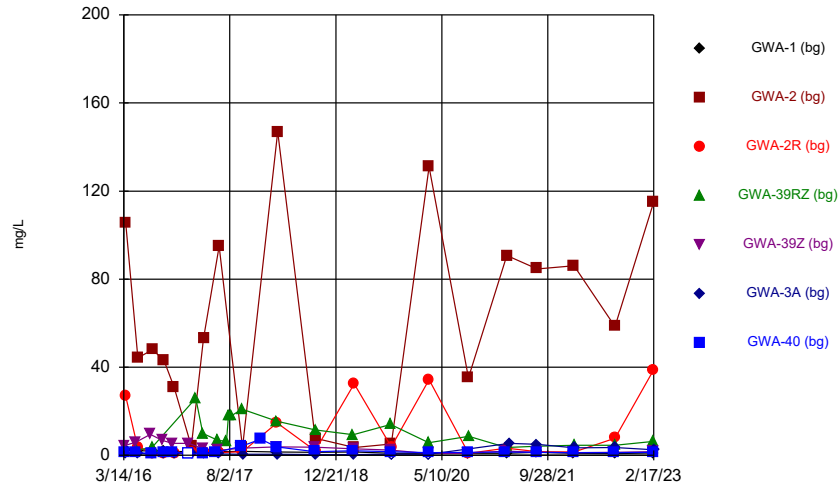
Constituent: Silver Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



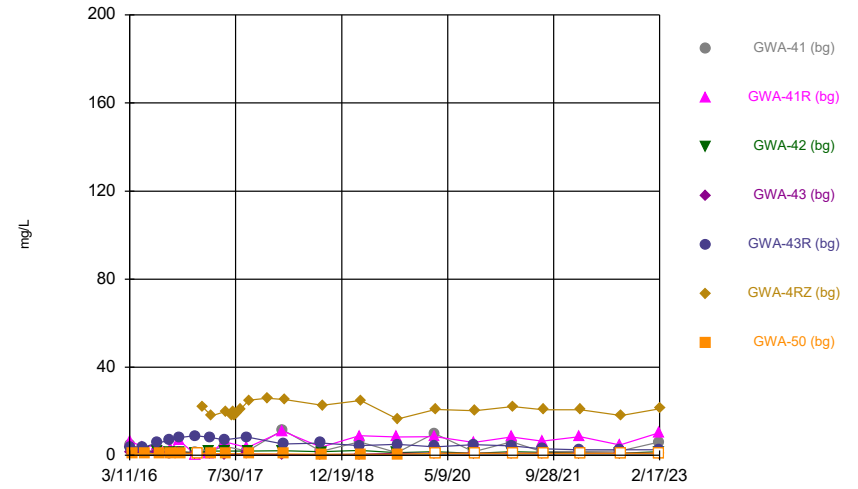
Constituent: Silver Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



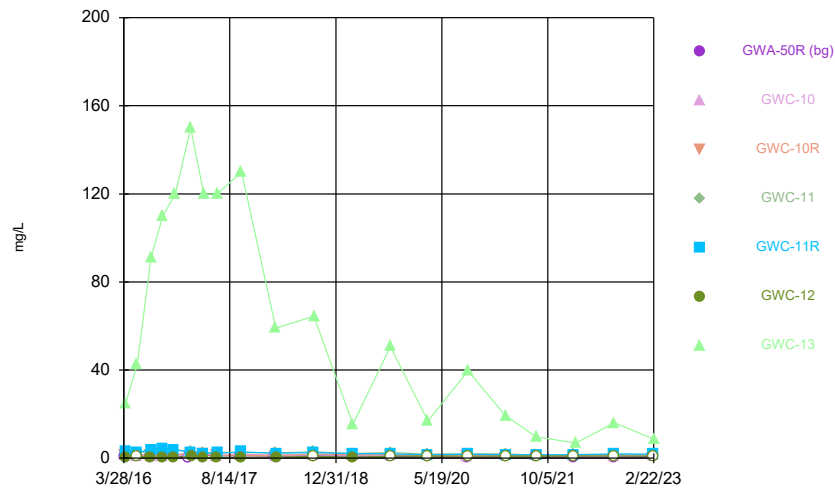
Constituent: Sulfate, total Analysis Run 3/31/2023 12:03 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



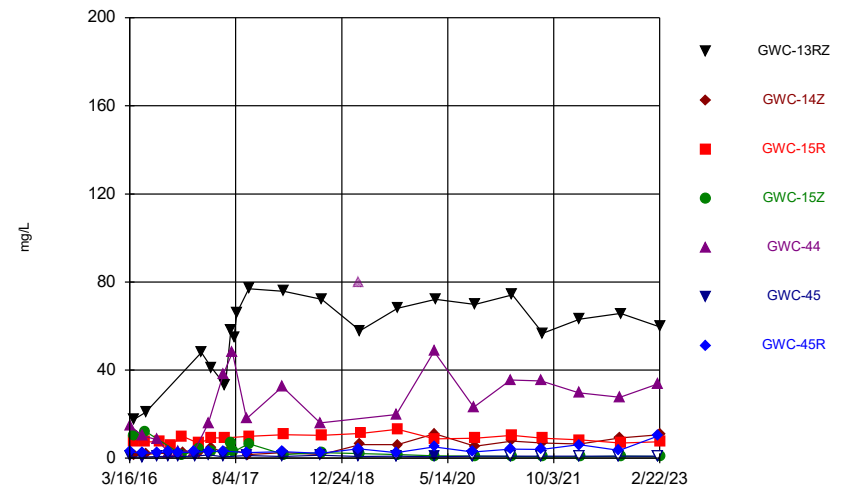
Constituent: Sulfate, total Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



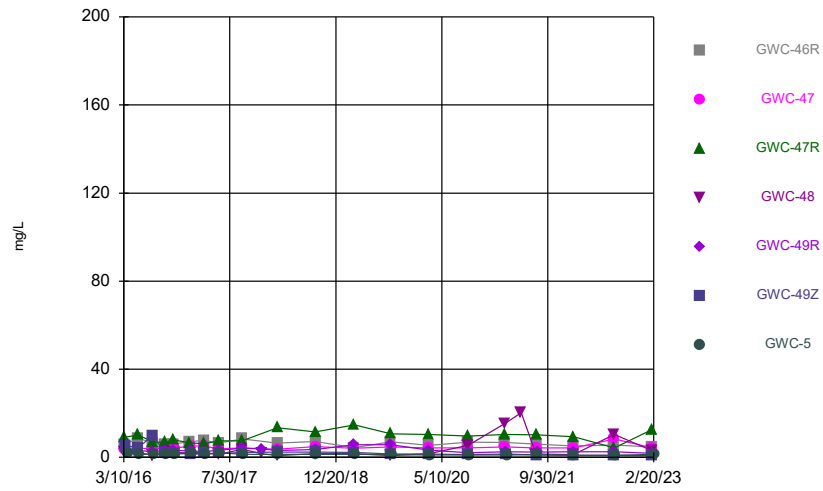
Constituent: Sulfate, total Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



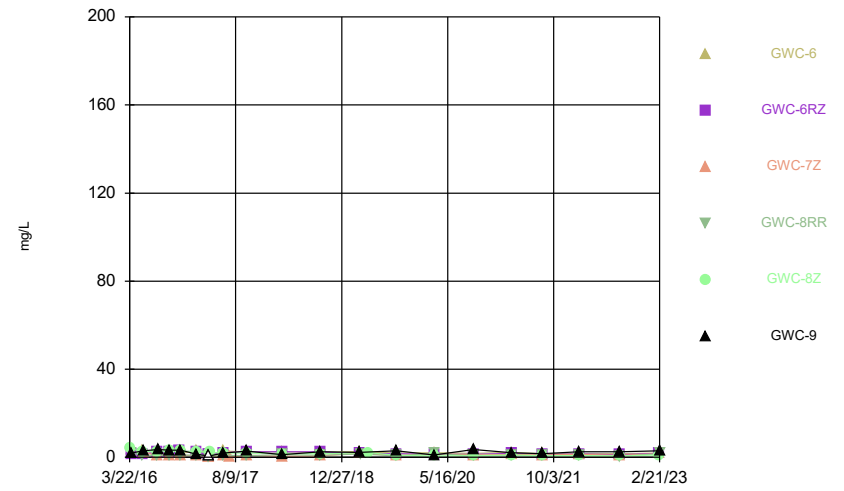
Constituent: Sulfate, total Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



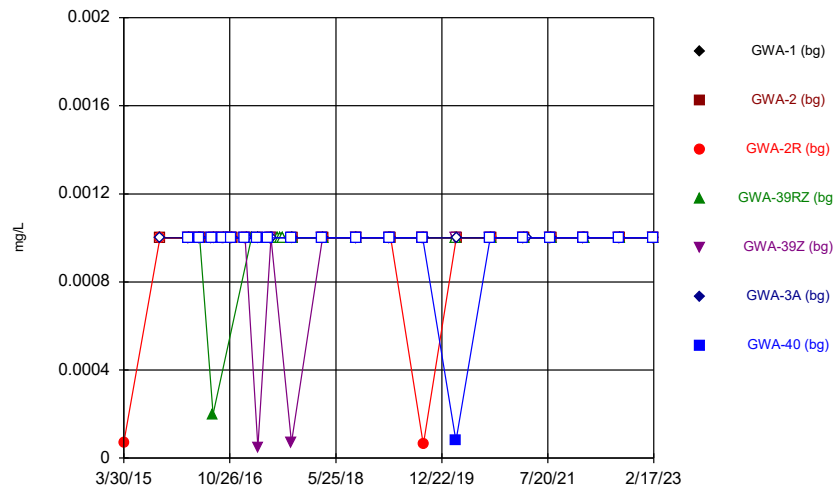
Constituent: Sulfate, total Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



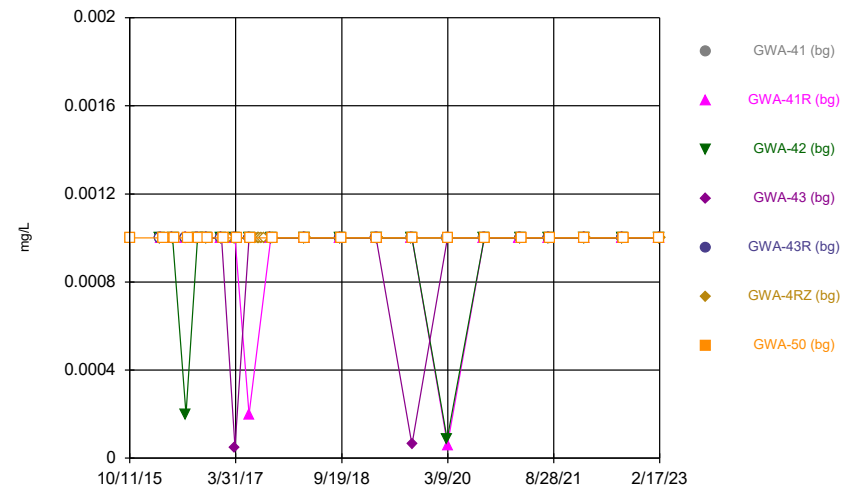
Constituent: Sulfate, total Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



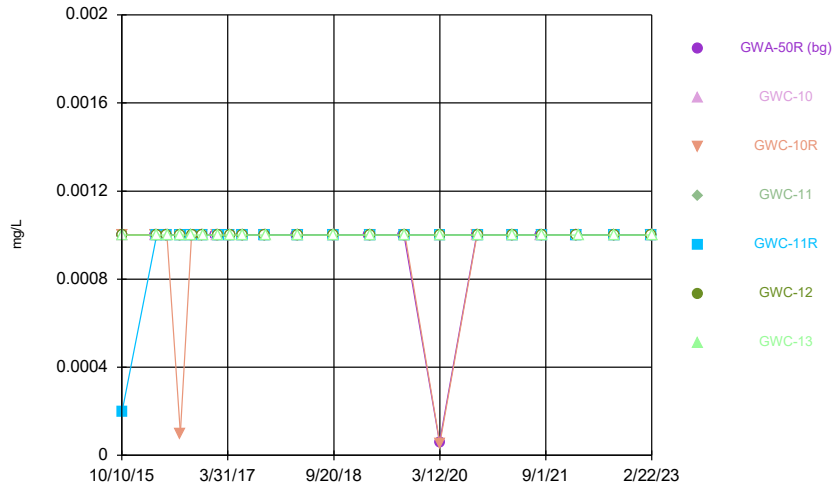
Constituent: Thallium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



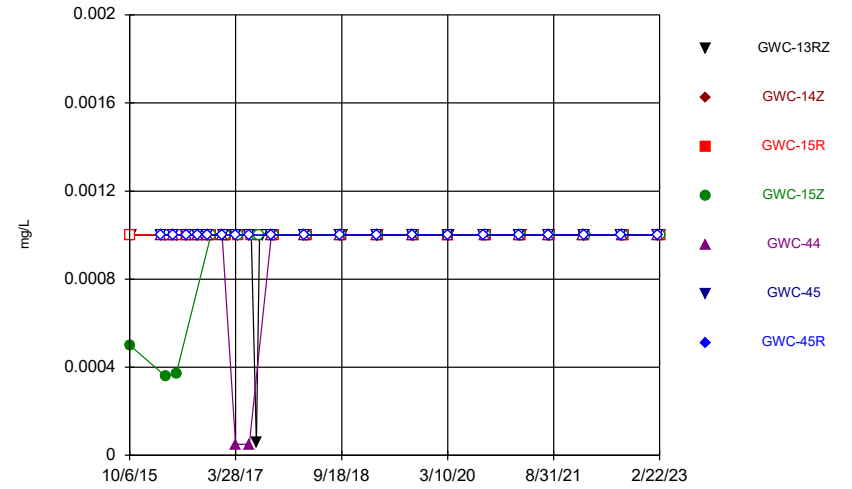
Constituent: Thallium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



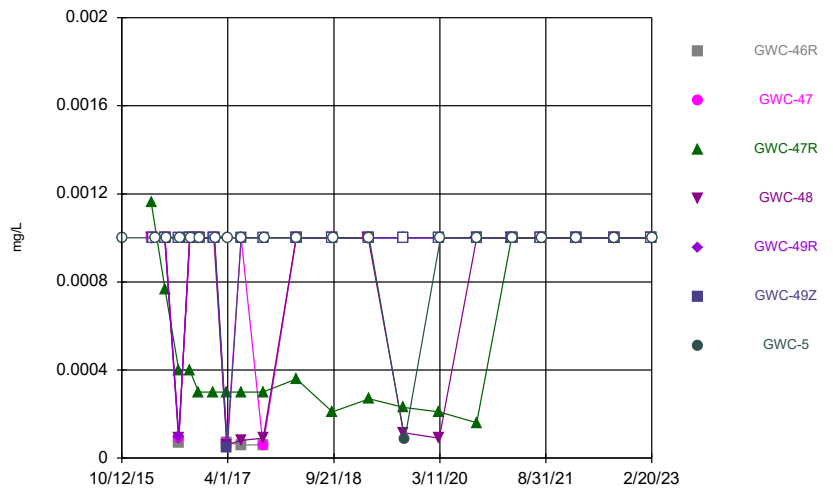
Constituent: Thallium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



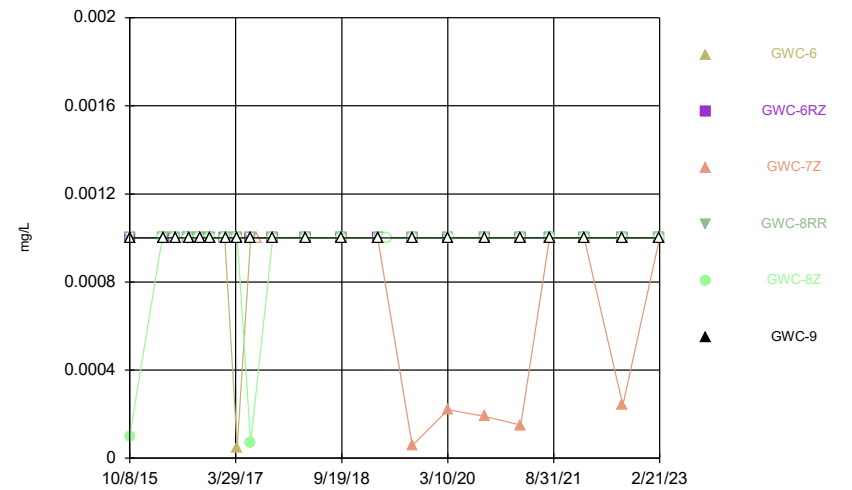
Constituent: Thallium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



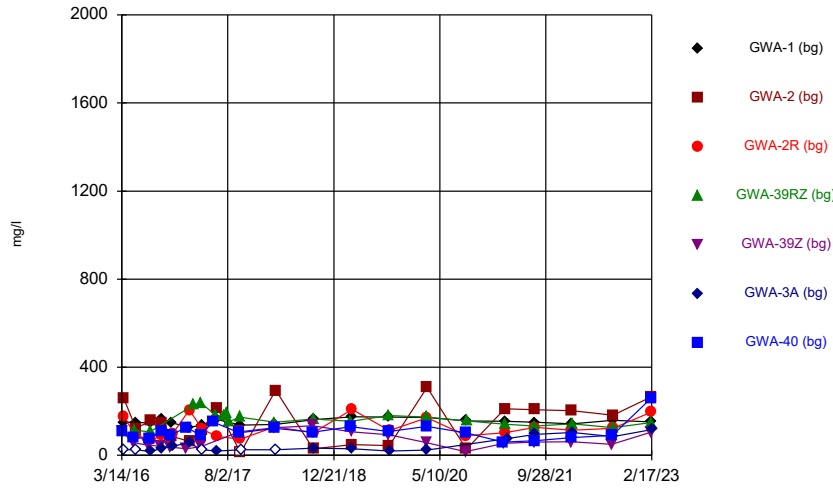
Constituent: Thallium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



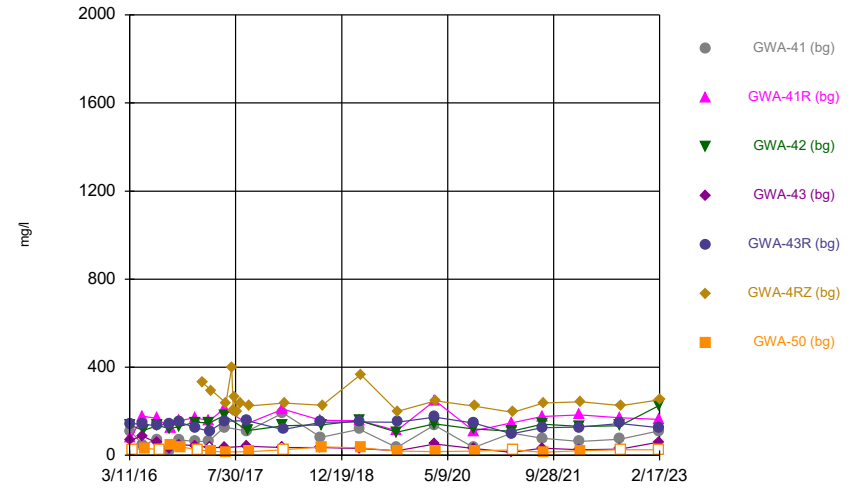
Constituent: Thallium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



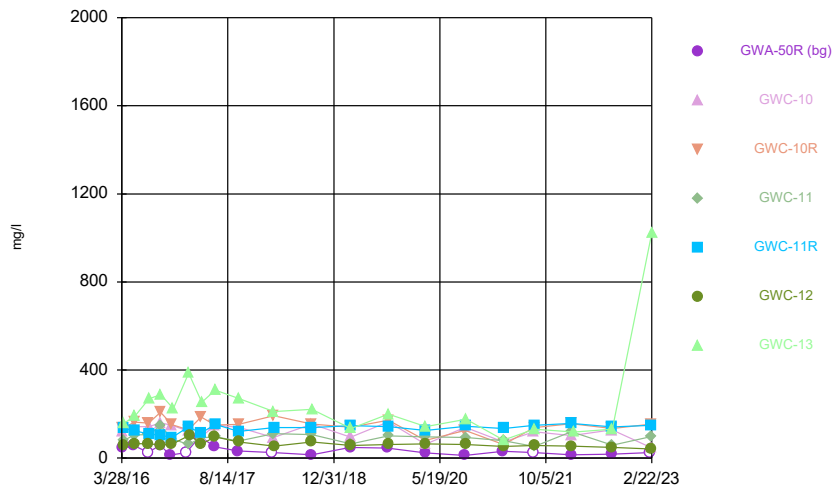
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



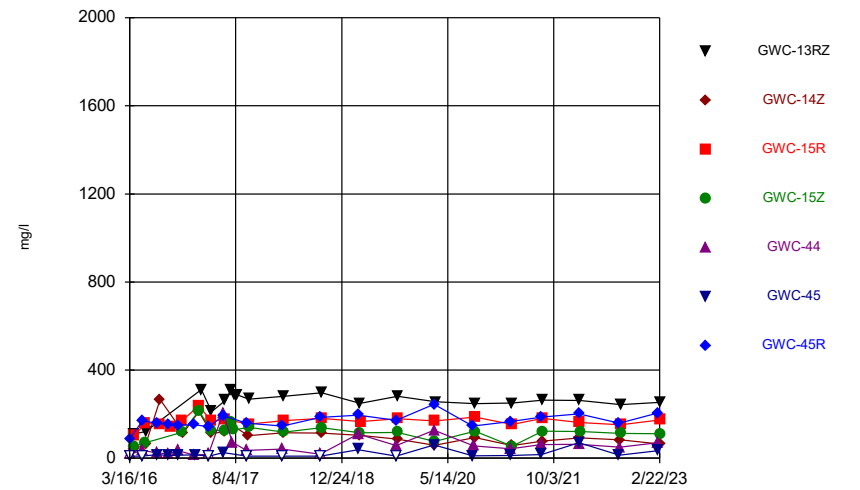
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



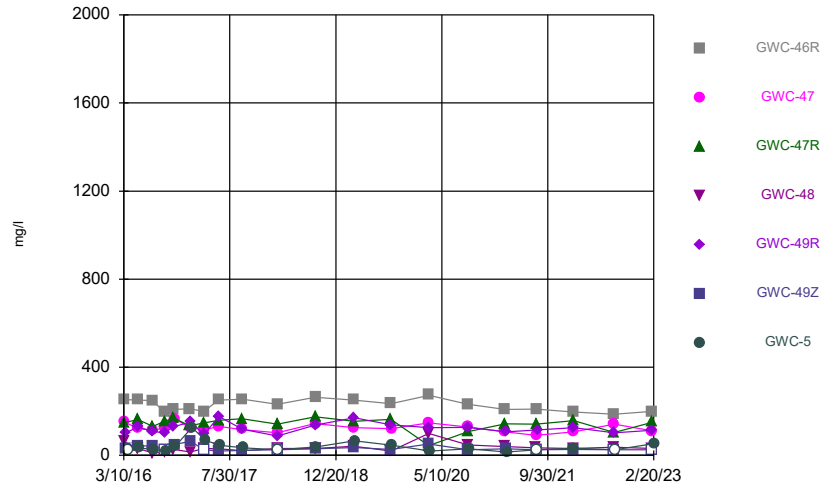
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



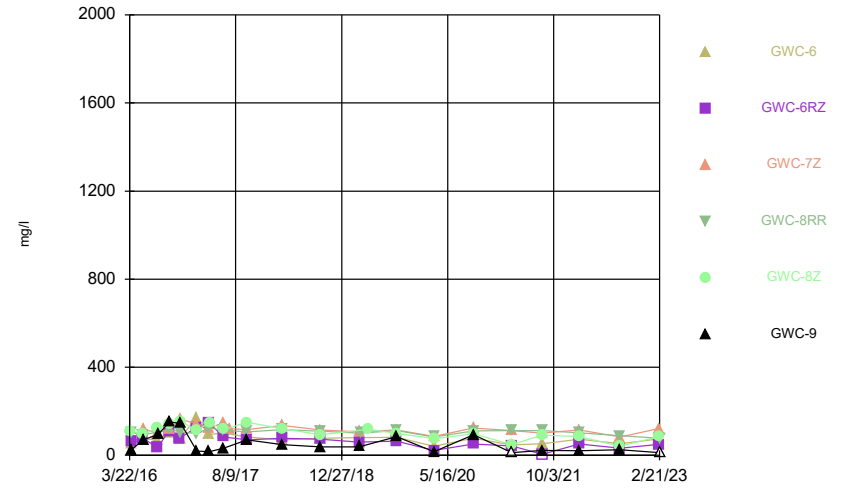
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



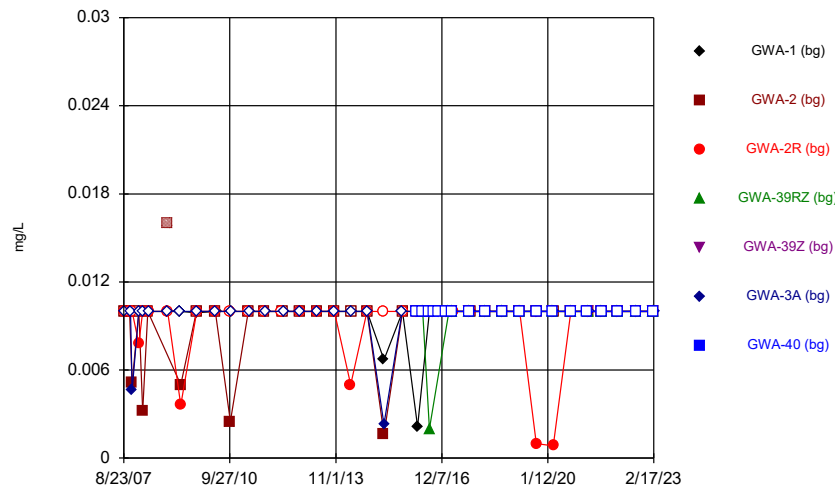
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



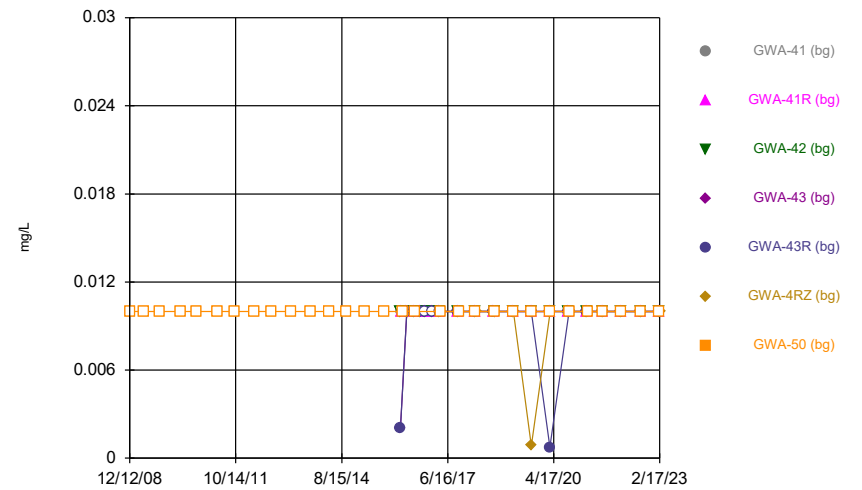
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



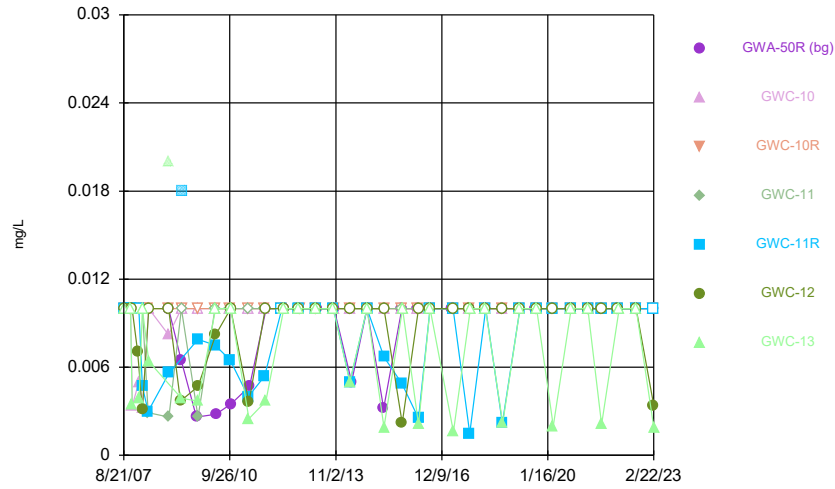
Constituent: Vanadium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



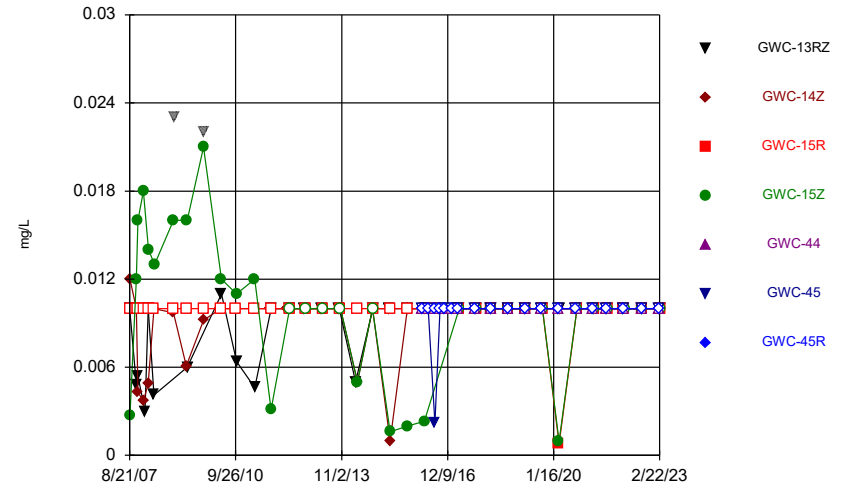
Constituent: Vanadium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



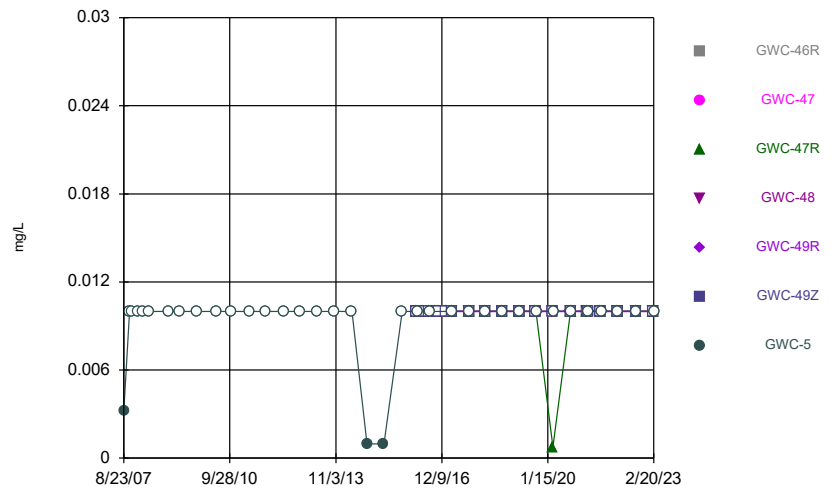
Constituent: Vanadium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



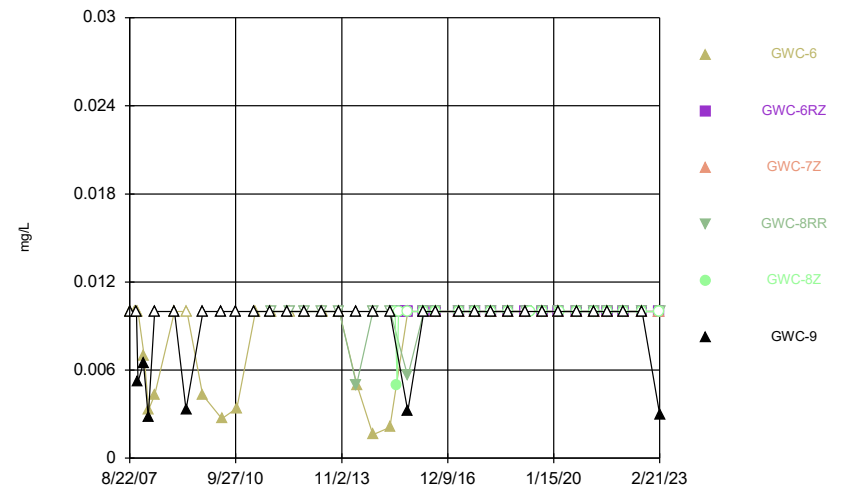
Constituent: Vanadium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



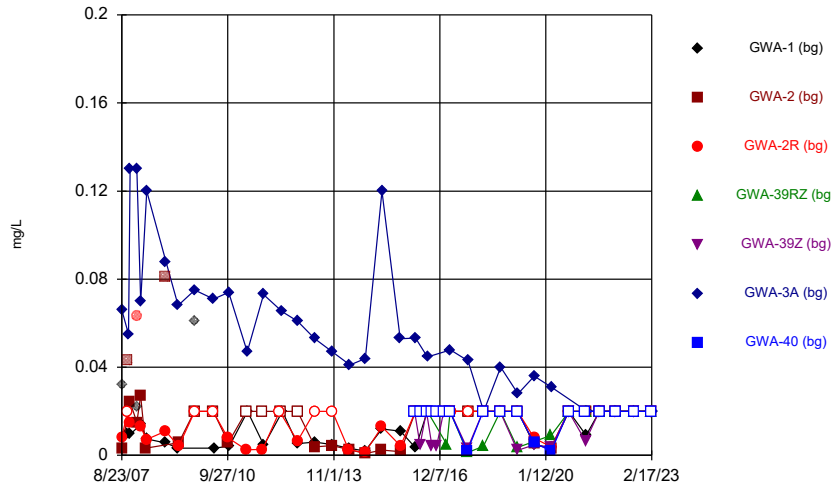
Constituent: Vanadium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



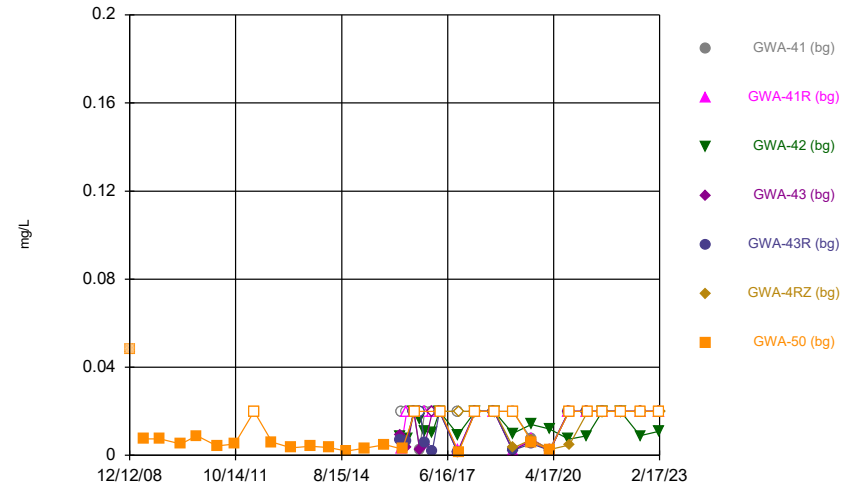
Constituent: Vanadium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



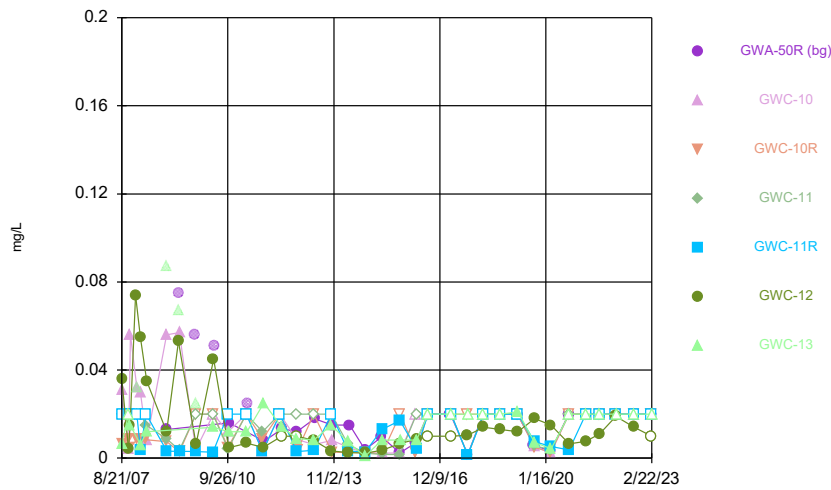
Constituent: Zinc Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



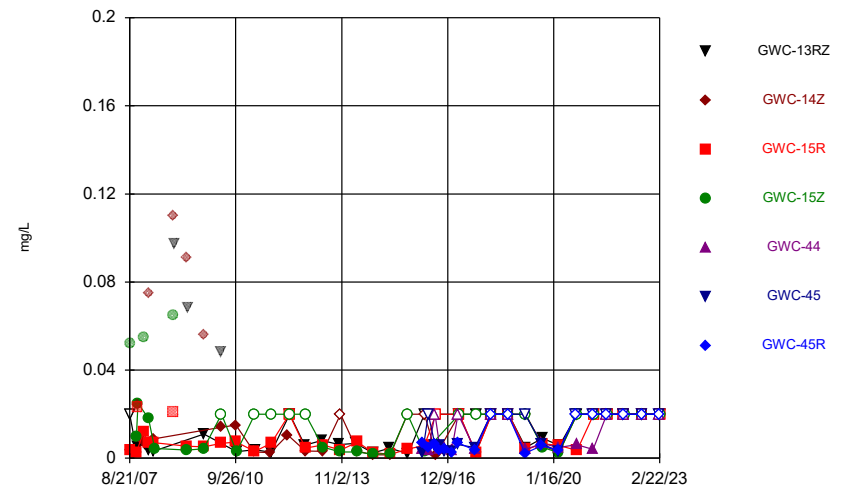
Constituent: Zinc Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



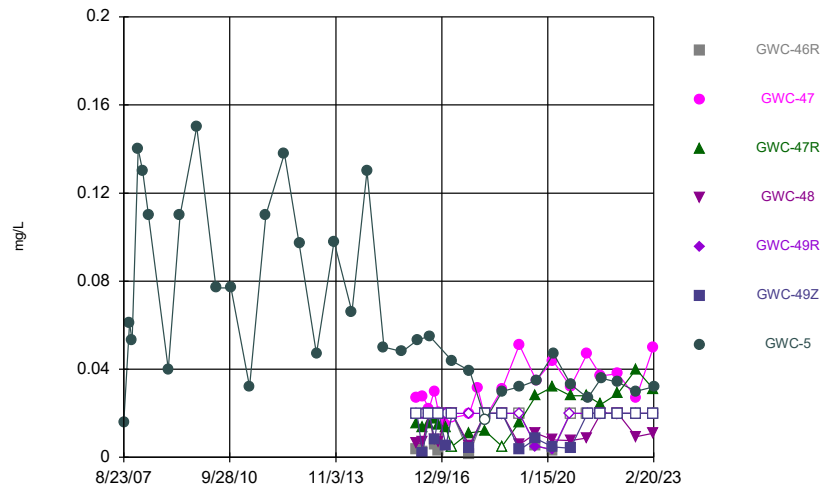
Constituent: Zinc Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



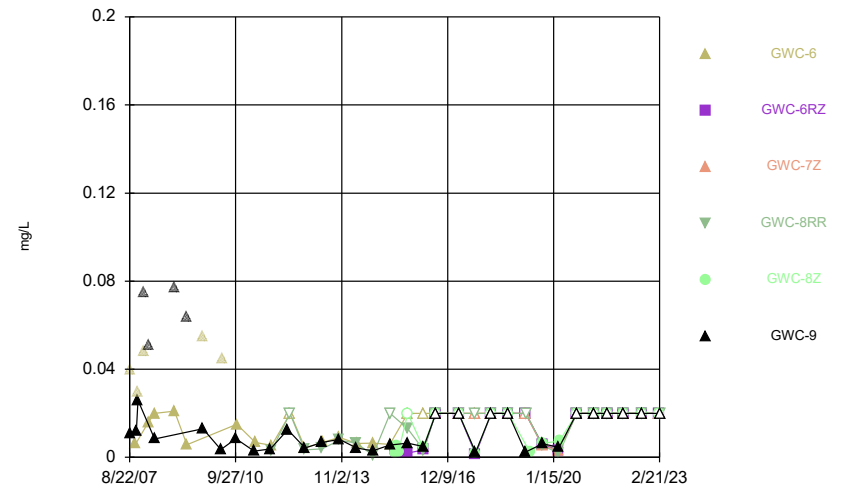
Constituent: Zinc Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Zinc Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Zinc Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.003	<0.003	<0.003			<0.003	
10/23/2007	<0.003						
10/24/2007		<0.003	<0.003				
11/2/2007						<0.003	
11/18/2007	<0.003	<0.003	<0.003			<0.003	
1/30/2008	<0.003						
1/31/2008		<0.003	<0.003			<0.003	
3/10/2008	<0.003		<0.003				
3/11/2008		<0.003				<0.003	
5/6/2008		<0.003					
5/13/2008	<0.003		<0.003				
5/14/2008						<0.003	
12/4/2008		<0.003	<0.003				
12/5/2008	<0.003					<0.003	
4/15/2009	<0.003					<0.003	
4/21/2009		<0.003	<0.003				
10/7/2009	<0.003	<0.003					
10/8/2009			<0.003			<0.003	
4/21/2010			<0.003				
4/26/2010		<0.003					
4/28/2010						<0.003	
5/3/2010	<0.003						
9/28/2010			<0.003				
10/4/2010		<0.003					
10/6/2010						<0.003	
10/12/2010	<0.003						
4/12/2011			<0.003				
4/13/2011		<0.003					
4/21/2011						<0.003	
4/27/2011	<0.003						
10/4/2011			<0.003				
10/5/2011		<0.003					
10/13/2011						<0.003	
10/17/2011	0.0054						
4/3/2012			0.0053				
4/11/2012		<0.003					
5/1/2012						<0.003	
5/2/2012	<0.003						
10/8/2012	<0.003						
10/9/2012		<0.003	<0.003			<0.003	
4/11/2013			0.0075			<0.003	
4/12/2013	0.0058						
4/15/2013		<0.003					
10/15/2013		<0.003					
10/16/2013	0.01		<0.003			<0.003	
4/10/2014			0.0081				
4/11/2014	0.005 (J)						
4/22/2014		<0.003					
4/23/2014						<0.003	
9/30/2014	0.0068	<0.003	0.0022 (J)				
10/4/2014						0.0031 (J)	
3/30/2015	0.0074	<0.003	0.011				

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0068	
10/12/2015						<0.003	
10/13/2015	0.017 (O)	<0.003	0.0045 (J)				
3/14/2016					<0.003		
3/15/2016							<0.003
3/22/2016	0.00567						
3/23/2016		<0.003	0.00281 (J)			0.0035	
5/11/2016					0.000839 (J)		<0.003
5/16/2016				<0.003 (D)			
5/19/2016	0.00319		0.00264 (J)				
5/20/2016		<0.003					
5/23/2016						<0.003	
7/19/2016					0.0024 (J)		
7/21/2016							<0.003
7/27/2016				0.0003 (JD)			
7/29/2016	0.0025 (J)	<0.003	0.0069			0.0029 (J)	
9/15/2016					0.0009 (J)		<0.003
9/22/2016			0.0066			0.0041	
9/23/2016	0.0051	<0.003					
11/2/2016					0.001 (J)		
11/3/2016							0.0021 (J)
11/9/2016	0.0097 (J)	<0.003					
11/10/2016			<0.003			0.0048 (J)	
1/17/2017							<0.003
1/18/2017					0.0017 (J)		
1/30/2017	0.0032						
1/31/2017		<0.003	0.0064			<0.003	
2/21/2017				0.0057			
3/24/2017							<0.003
3/27/2017				0.0013 (JD)			
3/28/2017					0.0006 (J)		
3/30/2017	0.0028 (J)	<0.003				0.001 (J)	
4/3/2017			0.0049				
5/24/2017							<0.003
6/7/2017					0.0003 (J)		
6/8/2017				<0.003 (*)			
6/9/2017	<0.003		<0.003				
6/12/2017		<0.003				<0.003	
7/17/2017				0.005 (D)			
7/27/2017				0.0033			
8/9/2017				0.0012 (J)			
9/26/2017					<0.003		<0.003
9/29/2017				0.0013 (JD)			
10/2/2017	0.0014 (J)	<0.003	0.0045				
10/4/2017						0.0009 (J)	
3/14/2018					<0.003		<0.003
3/16/2018	0.0014 (J)		0.021 (O)	0.0078			
3/19/2018		<0.003				0.0019 (J)	
9/12/2018					<0.003		<0.003
9/14/2018		<0.003	0.0054	0.0056			
9/17/2018	0.00105 (JD)					0.0011 (J)	
3/13/2019							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				0.014 (O)			
3/15/2019					<0.003		
3/19/2019			0.0019 (J)				
3/20/2019	<0.003	<0.003				0.0019 (J)	
9/9/2019					0.00079 (J)		<0.003
9/12/2019	0.0037	<0.003 (D)					
9/13/2019			0.0044			0.0013 (J)	
3/9/2020				0.0013 (J)	0.0011 (J)		<0.003
3/11/2020	0.00079 (J)	<0.003	0.002 (J)			0.0045	
9/10/2020					0.0003 (J)		
9/11/2020							<0.003
9/15/2020	0.0061	<0.003	0.0037				
9/16/2020				0.0028 (J)			
3/10/2021							<0.003
3/12/2021					0.0039		
3/16/2021	0.0014 (J)		0.005	0.00041 (J)			
3/17/2021		<0.003					
3/29/2021						<0.003	
8/4/2021					0.00083 (J)		<0.003
8/6/2021				<0.003			
8/9/2021	0.0027 (J)	<0.003	0.0033			<0.003	
1/31/2022					<0.003		0.0014 (J)
2/1/2022	0.0028 (J)	<0.003	0.0029 (J)				
2/2/2022				<0.003		<0.003	
8/10/2022					<0.003		
8/12/2022							<0.003
8/16/2022	0.0084	<0.003	0.002 (J)	0.001 (J)		<0.003	
2/13/2023					0.00087 (J)		<0.003
2/14/2023				0.0019 (J)			
2/16/2023	0.016	<0.003	0.0048				
2/17/2023						<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.003
4/23/2009							<0.003
10/6/2009							<0.003
4/27/2010							<0.003
9/30/2010							<0.003
4/14/2011							<0.003
10/5/2011							<0.003
4/11/2012							<0.003
10/2/2012							<0.003
4/9/2013							<0.003
10/15/2013							<0.003
4/10/2014							<0.003
10/1/2014							<0.003
3/30/2015							<0.003
10/11/2015							<0.003
3/11/2016			<0.003	<0.003	<0.003		
3/15/2016	<0.003	<0.003					
3/28/2016							0.00139 (J)
5/12/2016	<0.003						
5/13/2016		<0.003		<0.003	<0.003		
5/16/2016			<0.003				
5/23/2016							0.000677 (J)
7/19/2016				<0.003 (*)	<0.003		
7/20/2016	<0.003						
7/21/2016		<0.003 (*)					
7/22/2016			0.002 (J)				
8/1/2016							<0.003
9/15/2016	<0.003						
9/16/2016				<0.003	<0.003		
9/19/2016			<0.003				
9/21/2016		<0.003					
9/26/2016							<0.003
11/2/2016				<0.003	<0.003		
11/3/2016	<0.003	<0.003	<0.003				
11/10/2016							<0.003
1/17/2017		<0.003	<0.003				
1/18/2017	<0.003			<0.003	0.0013 (J)		
1/30/2017							<0.003
2/22/2017						0.0018 (J)	
3/24/2017	<0.003						
3/27/2017		0.0008 (J)	<0.003				
3/28/2017				<0.003	<0.003		
4/7/2017						0.0008 (J)	<0.003
6/6/2017	<0.003	<0.003		<0.003	0.0007 (J)		
6/7/2017			<0.003				
6/12/2017							<0.003
6/14/2017						0.00205 (JD)	
7/12/2017						0.0015 (JD)	
7/20/2017						<0.003 (D)	
7/28/2017						<0.003	
8/9/2017						<0.003	
8/24/2017						0.0007 (J)	

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.003	0.0012 (J)		
9/25/2017	<0.003	0.0035					
9/26/2017			<0.003				
10/2/2017							<0.003
10/3/2017						<0.003 (D)	
3/14/2018	<0.003	<0.003	<0.003	<0.003			
3/15/2018					<0.003		
3/16/2018							<0.003
3/21/2018						<0.003	
9/12/2018	<0.003	0.003		<0.003	<0.003		
9/14/2018			<0.003				
9/17/2018							<0.003
9/18/2018						<0.003	
3/13/2019				<0.003	<0.003		
3/14/2019	<0.003	<0.003	<0.003				
3/19/2019							<0.003
3/21/2019						<0.003 (D)	
9/10/2019	<0.003 (D)	0.0029 (J)	<0.003				
9/11/2019				<0.003	0.00029 (J)		
9/12/2019						0.00052 (JD)	
9/13/2019							<0.003
3/6/2020	<0.003		<0.003				
3/9/2020		0.0037		0.00062 (J)	0.00037 (J)		
3/11/2020							0.0005 (J)
3/12/2020						0.0017 (J)	
9/10/2020	<0.003	0.0019 (J)	<0.003				
9/11/2020				<0.003			
9/14/2020					<0.003		
9/16/2020							<0.003
9/17/2020						0.00087 (J)	
3/10/2021		0.00037 (J)					
3/11/2021	0.00038 (J)		<0.003	<0.003	0.00074 (J)		
3/16/2021						0.00082 (J)	
3/17/2021							<0.003
8/4/2021	<0.003	<0.003	<0.003				
8/5/2021					<0.003		
8/6/2021				<0.003			
8/9/2021							<0.003
8/10/2021						0.0013 (J)	
1/31/2022	<0.003	0.0011 (J)	<0.003	<0.003	<0.003		
2/1/2022							0.0015 (J)
2/3/2022						<0.003	
8/10/2022			<0.003		<0.003		
8/11/2022	<0.003	<0.003		<0.003			
8/16/2022							<0.003
8/17/2022						<0.003	
2/13/2023	<0.003	0.0045	<0.003		<0.003		
2/14/2023				<0.003			
2/16/2023							<0.003
2/17/2023						<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2007		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/18/2007				<0.003	<0.003		
11/19/2007						<0.003	<0.003
11/20/2007		<0.003	<0.003				
1/16/2008						<0.003	
1/30/2008		<0.003	<0.003	<0.003	<0.003		
1/31/2008							<0.003
3/5/2008				<0.003		<0.003	<0.003
3/6/2008		<0.003	<0.003		<0.003		
5/7/2008				<0.003	<0.003		
5/8/2008			<0.003				
5/12/2008		<0.003					<0.003
5/13/2008						<0.003	
12/12/2008	<0.003						
12/13/2008		<0.003				<0.003	<0.003
12/14/2008			<0.003	<0.003	<0.003		
4/16/2009						<0.003	
4/23/2009	<0.003						
4/28/2009							<0.003
4/29/2009		<0.003	<0.003	<0.003	<0.003		
10/6/2009	<0.003						
10/20/2009		<0.003					
10/21/2009			<0.003			<0.003	<0.003
10/22/2009				<0.003	<0.003		
4/21/2010			<0.003	<0.003	<0.003		
4/26/2010		<0.003					
4/27/2010						<0.003	
4/28/2010							<0.003
5/3/2010	<0.003						
9/28/2010			<0.003	<0.003			
9/29/2010		<0.003			<0.003		
10/5/2010						<0.003	<0.003
10/11/2010	<0.003						
4/12/2011			<0.003	<0.003			
4/13/2011		<0.003			<0.003		
4/19/2011						<0.003	<0.003
4/27/2011	<0.003						
10/4/2011			<0.003	<0.003	<0.003		
10/5/2011		<0.003					
10/12/2011						<0.003	
10/18/2011							<0.003
10/19/2011	<0.003						
4/3/2012			<0.003	<0.003			
4/4/2012		<0.003			<0.003		
4/24/2012						<0.003	
4/25/2012							<0.003
5/1/2012	<0.003						
10/2/2012	<0.003					<0.003	<0.003
10/3/2012		<0.003		<0.003	<0.003		
10/8/2012			<0.003				
4/2/2013						<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.003	<0.003	<0.003	<0.003		
4/10/2013	<0.003						
10/8/2013							<0.003
10/9/2013				<0.003	<0.003	<0.003	
10/15/2013		<0.003	<0.003				
10/16/2013	<0.003						
4/1/2014						<0.003	<0.003
4/2/2014				<0.003	<0.003		
4/9/2014		<0.003	<0.003				
4/22/2014	<0.003						
10/1/2014	<0.003						<0.003
10/2/2014		<0.003	<0.003	<0.003	0.0044 (J)	<0.003	
3/30/2015	<0.003						
4/1/2015				<0.003	0.0087	<0.003	<0.003
4/2/2015		<0.003	<0.003				
10/10/2015		<0.003					
10/11/2015	<0.003			<0.003	0.007		
10/12/2015			<0.003				
10/14/2015						<0.003	
10/15/2015							<0.003
3/28/2016	<0.003						
3/31/2016		<0.003	<0.003				
4/4/2016				<0.003	0.00252 (J)	<0.003	<0.003
5/25/2016	<0.003						
5/26/2016		<0.003	0.000659 (J)	0.000722 (J)	0.00351		
5/27/2016						<0.003	
5/31/2016							<0.003
8/1/2016	<0.003						
8/3/2016			<0.003	<0.003		<0.003	
8/4/2016					<0.003		<0.003
8/5/2016		<0.003					
9/26/2016	<0.003						
9/28/2016		<0.003	0.0037 (O)	<0.003	0.0012 (J)		
9/29/2016							<0.003
9/30/2016						<0.003	
11/11/2016	<0.003						
11/22/2016		<0.003	<0.003	<0.003	0.0042	<0.003	
11/28/2016							<0.003
1/30/2017	<0.003						
2/7/2017		<0.003	<0.003				
2/8/2017				<0.003	<0.003		
2/9/2017							<0.003
2/13/2017						<0.003	
4/3/2017	<0.003						
4/10/2017		<0.003	<0.003	<0.003	<0.003		
4/11/2017						<0.003	
4/12/2017							<0.003
6/12/2017	<0.003						
6/14/2017		<0.003	<0.003			<0.003	
6/15/2017				<0.003	<0.003		
6/16/2017							<0.003
10/2/2017	<0.003						

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.003	<0.003	<0.003	<0.003	<0.003	
10/9/2017							<0.003
3/16/2018	<0.003						
3/20/2018		<0.003					
3/21/2018			<0.003	<0.003			<0.003
3/22/2018					<0.003	<0.003	
9/18/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
9/19/2018							<0.003
3/19/2019	<0.003						
3/22/2019		<0.003	<0.003				
3/23/2019				0.00094 (J)	<0.003	<0.003	<0.003
9/12/2019	<0.003						
9/17/2019		<0.003	<0.003	0.00041 (J)	0.0013 (J)	<0.003 (D)	
9/18/2019							0.0012 (J)
3/11/2020	<0.003						
3/12/2020		<0.003	<0.003	0.0013 (J)	0.001 (J)	<0.003	
3/13/2020							0.0023 (J)
9/15/2020	0.00048 (J)						
9/17/2020		<0.003	<0.003				
9/21/2020				0.00091 (J)	0.0053	<0.003	
9/22/2020							<0.003
3/17/2021	<0.003						
3/18/2021		<0.003	<0.003				0.00078 (J)
3/19/2021				0.00032 (J)	0.012	<0.003	
5/26/2021					0.0037		
8/9/2021	<0.003						
8/10/2021		<0.003					
8/11/2021			<0.003	<0.003	<0.003	<0.003	0.0019 (J)
2/2/2022	<0.003					<0.003	
2/4/2022		<0.003	0.0016 (J)	<0.003	<0.003		
2/17/2022							<0.003
8/17/2022	<0.003	<0.003					
8/18/2022			<0.003	<0.003	<0.003	<0.003	<0.003
2/16/2023	<0.003						
2/20/2023		<0.003	<0.003	<0.003	<0.003		
2/21/2023						0.0017 (J)	
2/22/2023							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.003						
8/23/2007			<0.003				
8/24/2007		0.005		<0.003			
11/1/2007	<0.003						
11/2/2007		<0.003	<0.003	<0.003			
11/17/2007		<0.003	<0.003				
11/18/2007				<0.003			
11/19/2007	<0.003						
1/15/2008		<0.003	<0.003	<0.003			
1/31/2008	<0.003						
3/5/2008	<0.003	<0.003					
3/6/2008			<0.003				
3/10/2008				<0.003			
5/7/2008	<0.003	<0.003	<0.003				
5/13/2008				<0.003			
12/2/2008		<0.003	<0.003	<0.003			
12/12/2008	<0.003						
4/16/2009		<0.003					
4/28/2009			<0.003	<0.003			
4/29/2009	<0.003						
10/19/2009			<0.003				
10/20/2009		<0.003		<0.003			
10/21/2009	<0.003						
4/20/2010		<0.003					
4/27/2010			<0.003	<0.003			
4/28/2010	<0.003						
9/29/2010		<0.003					
10/4/2010			<0.003				
10/5/2010				<0.003			
10/6/2010	<0.003						
4/12/2011		<0.003					
4/18/2011			<0.003				
4/19/2011				<0.003			
4/20/2011	<0.003						
10/4/2011		<0.003					
10/12/2011	<0.003		0.0052	<0.003			
4/4/2012		<0.003					
4/23/2012			<0.003				
4/25/2012	<0.003			<0.003			
10/2/2012	<0.003						
10/10/2012		<0.003	<0.003	<0.003			
4/2/2013	0.007 (O)						
4/15/2013		<0.003	<0.003				
4/16/2013				0.0053			
10/8/2013	0.01 (O)						
10/22/2013		<0.003	<0.003	<0.003			
4/1/2014	0.011 (O)						
4/21/2014		<0.003	0.005 (J)	0.005 (J)			
9/30/2014		<0.003	0.0024 (J)	<0.003			
10/1/2014	0.018 (O)						
3/31/2015	0.011 (O)						
4/3/2015		<0.003	0.0072	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.0025 (J)			
10/7/2015		<0.003	0.0045 (J)				
10/14/2015	0.0083 (O)						
3/16/2016					0.00108 (J)	<0.003	0.00426
4/4/2016	0.00447						
4/5/2016		<0.003	0.00727	0.00105 (J)			
5/16/2016					<0.003	0.00109 (J)	0.00267 (JD)
5/31/2016			0.00649	0.00088 (J)			
6/1/2016	0.00377	0.000895 (J)					
7/25/2016					<0.003 (*)	0.00185 (J*D)	0.0017 (JD)
8/4/2016			0.0038				
8/9/2016		0.0017 (JD)					
9/19/2016					<0.003	<0.003 (D)	<0.003 (D)
9/29/2016			0.0106				
11/3/2016					<0.003		0.0017 (JD)
11/4/2016						<0.003 (D)	
11/23/2016			0.0098	<0.003			
11/28/2016		<0.003					
1/19/2017					<0.003		
1/20/2017							0.001 (JD)
1/23/2017						<0.003 (D)	
2/9/2017		<0.003					
2/10/2017			0.0014 (J)	<0.003			
2/22/2017	0.0044						
3/28/2017					<0.003		
3/29/2017						0.0018 (JD)	0.001 (JD)
4/11/2017	0.0019 (J)	<0.003		<0.003			
4/12/2017			0.0026 (J)				
6/5/2017					<0.003		
6/7/2017						0.0009 (J)	0.0009 (J)
6/14/2017		0.0006 (J)					
6/15/2017			<0.003	<0.003			
6/16/2017	<0.003						
7/12/2017	0.0018 (J)	<0.003		<0.003			
7/26/2017				<0.003			
7/28/2017	0.0011 (J)						
8/10/2017	0.0012 (J)						
9/26/2017					<0.003		
9/27/2017						0.0111 (O)	0.0012 (J)
10/5/2017		<0.003					
10/6/2017	0.0013 (J)		0.0008 (J)	<0.003			
12/29/2017						0.0012 (Y)	
3/15/2018					<0.003	0.00086 (J)	<0.003
3/22/2018		<0.003					
3/23/2018	0.0015 (J)		0.001 (J)	0.00089 (J)			
9/12/2018					<0.003		
9/13/2018						0.0029 (J)	<0.003
9/19/2018		<0.003	0.0011 (J)	<0.003			
9/20/2018	0.0013 (J)						
3/14/2019					<0.003	0.0015 (JD)	<0.003 (D)
3/22/2019	0.0014 (J)	<0.003		<0.003			
3/25/2019			<0.003				

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/11/2019					<0.003	0.014 (O)	<0.003 (D)
9/17/2019		<0.003	0.0017 (J)	<0.003			
9/18/2019	0.00077 (X)						
3/10/2020					<0.003	0.00087 (J)	<0.003
3/13/2020		0.00053 (J)	0.00056 (J)	<0.003			
3/17/2020	0.0009 (J)						
9/11/2020						0.0076	0.00043 (J)
9/15/2020					<0.003		
9/21/2020		<0.003	0.0021 (J)	<0.003			
9/22/2020	0.00079 (J)						
12/15/2020						0.0014 (J)	
3/11/2021					<0.003	0.00062 (J)	<0.003
3/18/2021		<0.003	0.00045 (J)	<0.003			
3/19/2021	0.0011 (J)						
8/4/2021					<0.003		
8/6/2021						0.0017 (J)	<0.003
8/11/2021		<0.003	<0.003	<0.003			
8/12/2021	<0.003						
1/31/2022					<0.003		
2/1/2022						0.002 (J)	<0.003
2/4/2022	<0.003	<0.003	<0.003				
2/7/2022				<0.003			
8/12/2022						0.0072	<0.003
8/15/2022					<0.003		
8/18/2022		<0.003					
8/19/2022	<0.003		0.0011 (J)	<0.003			
2/14/2023					<0.003	<0.003	<0.003
2/22/2023	<0.003	<0.003	<0.003	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.003
10/25/2007							<0.003
11/19/2007							<0.003
1/23/2008							<0.003
3/11/2008							<0.003
5/12/2008							<0.003
12/11/2008							<0.003
4/15/2009							<0.003
10/9/2009							<0.003
5/4/2010							<0.003
10/12/2010							<0.003
4/28/2011							<0.003
10/19/2011							<0.003
5/2/2012							<0.003
10/9/2012							<0.003
4/11/2013							<0.003
10/16/2013							<0.003
4/23/2014							<0.003
10/3/2014							<0.003
3/31/2015							<0.003
10/12/2015							<0.003
3/10/2016	<0.003	<0.003	<0.003	<0.003			
3/17/2016					<0.003	<0.003	
3/28/2016							0.00104 (J)
5/17/2016	<0.003			<0.003			
5/18/2016		<0.003	0.000987 (J)		<0.003	<0.003	
5/25/2016							0.000686 (J)
7/26/2016	<0.003						
7/27/2016		0.0006 (J)	0.0008 (J)	0.0006 (J)	0.0023 (J)		
7/28/2016						<0.003	
8/1/2016							<0.003
9/20/2016	0.001 (J)	<0.003	0.0012 (J)	0.0018 (J)			
9/21/2016					0.0013 (J)	<0.003	
9/27/2016							<0.003
11/4/2016	<0.003		0.001 (J)	<0.003	<0.003		
11/7/2016		<0.003				<0.003 (*)	
11/11/2016							<0.003
1/20/2017	<0.003		0.0013 (J)				
1/23/2017		<0.003		<0.003			
1/24/2017					<0.003	0.0024 (J)	
1/31/2017							<0.003
3/28/2017	<0.003			<0.003			
3/29/2017		<0.003	0.0004 (J)		<0.003		
3/30/2017						0.0011 (J)	
4/3/2017							<0.003
6/7/2017	<0.003						
6/8/2017		<0.003	<0.003 (*)	<0.003 (*)	<0.003 (*)		
6/9/2017						<0.003 (*)	
6/12/2017							<0.003
9/27/2017		<0.003	<0.003				
9/29/2017	<0.003			<0.003	<0.003	0.0009 (J)	
10/3/2017							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.003	<0.003		<0.003	<0.003	0.0012 (J)	
3/16/2018			<0.003				
3/19/2018							<0.003
9/13/2018	<0.003	<0.003	<0.003	<0.003	<0.003		
9/14/2018						0.00083 (J)	
9/17/2018							<0.003
3/15/2019		<0.003		<0.003			
3/18/2019	<0.003				<0.003		
3/19/2019			<0.003			0.0011 (J)	
3/20/2019							<0.003
9/11/2019	<0.003		0.00099 (J)	<0.003 (D)	0.0032	0.00065 (J)	
9/12/2019		<0.003					
9/16/2019							<0.003
3/9/2020		0.00032 (J)	0.00056 (J)	<0.003		0.0018 (J)	
3/10/2020	<0.003						
3/11/2020					0.0012 (J)		
3/16/2020							0.00031 (J)
9/11/2020					0.0011 (J)		
9/14/2020	<0.003	<0.003		<0.003		0.0017 (J)	
9/15/2020			0.00053 (J)				
9/16/2020							<0.003
3/11/2021	<0.003	<0.003	0.00038 (J)	<0.003			
3/15/2021					0.0019 (J)	0.00086 (J)	
3/17/2021							<0.003
8/4/2021				<0.003			
8/5/2021	<0.003	<0.003	0.00082 (J)			0.0024 (J)	
8/9/2021							<0.003
8/11/2021					0.0033		
1/31/2022	<0.003			<0.003			
2/1/2022		<0.003	0.0024 (J)		<0.003	0.00097 (J)	
2/2/2022							<0.003
8/15/2022	<0.003	0.0022 (J)	<0.003	<0.003	0.0012 (J)	<0.003	
8/16/2022							<0.003
2/14/2023	<0.003	<0.003	0.0022 (J)	<0.003	0.0037	<0.003	
2/20/2023							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.003					
8/23/2007						<0.003
10/25/2007	<0.003					
11/1/2007						<0.003
11/19/2007						<0.003
11/20/2007	<0.003					
1/15/2008						<0.003
1/23/2008	<0.003					
3/6/2008						<0.003
3/11/2008	<0.003					
5/13/2008						<0.003
5/14/2008	<0.003					
12/11/2008	<0.003					
12/12/2008						<0.003
4/16/2009						<0.003
4/23/2009	<0.003					
10/9/2009	<0.003					
10/13/2009						<0.003
4/21/2010						<0.003
5/4/2010	<0.003					
9/29/2010						<0.003
10/11/2010	<0.003					
4/13/2011						<0.003
4/26/2011	<0.003					
10/5/2011						<0.003
10/18/2011	<0.003			<0.003		
4/4/2012						<0.003
4/30/2012				<0.003		
5/2/2012	<0.003					
10/3/2012				<0.003		
10/8/2012	<0.003					<0.003
4/8/2013				<0.003		<0.003
4/10/2013	<0.003					
10/8/2013	<0.003					
10/9/2013				<0.003		<0.003
4/9/2014						<0.003
4/10/2014				<0.003		
4/14/2014	<0.003					
9/30/2014						<0.003
10/2/2014				0.0025 (J)		
10/3/2014	<0.003					
4/1/2015	0.0035 (J)					
4/2/2015						<0.003
4/3/2015				<0.003		
5/26/2015		<0.003			<0.003	
6/18/2015		<0.003 (D)			<0.003 (D)	
7/2/2015		<0.003			<0.003	
10/8/2015				<0.003	<0.003	
10/9/2015	<0.003	<0.003				
10/10/2015						<0.003 (D)
3/22/2016					<0.003	
3/29/2016	<0.003	0.000768 (J)				

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.003		<0.003
5/24/2016	<0.003	<0.003		<0.003		
5/25/2016					<0.003	
5/26/2016						<0.003
5/31/2016			<0.003			
8/1/2016	<0.003	<0.003				
8/2/2016			<0.003	<0.003	<0.003	
8/5/2016						<0.003
9/26/2016	<0.003	<0.003			<0.003	
9/27/2016			<0.003	<0.003		
9/28/2016						<0.003
11/14/2016		<0.003				
11/18/2016	<0.003					
11/21/2016			<0.003		<0.003	<0.003
11/22/2016				<0.003		
2/1/2017	<0.003	<0.003	<0.003			
2/3/2017					<0.003	
2/6/2017				0.0015 (J)		<0.003
4/6/2017	0.001 (J)	0.0006 (J)	<0.003	0.0007 (J)		<0.003
4/7/2017					<0.003	
6/13/2017	<0.003	<0.003	<0.003		<0.003	<0.003
6/14/2017				<0.003		
7/14/2017			0.0008 (J)			
10/3/2017	<0.003	<0.003	<0.003		<0.003	<0.003
10/4/2017				<0.003		
3/19/2018	<0.003					
3/20/2018		<0.003	<0.003		<0.003	0.001 (J)
3/21/2018				<0.003		
9/17/2018	<0.003	0.0023 (J)				
9/18/2018			<0.003	<0.003	<0.003	<0.003 (D)
3/21/2019	<0.003	<0.003	<0.003			<0.003
3/27/2019				<0.003		
5/6/2019					<0.003	
9/13/2019			0.002 (J)			
9/16/2019	<0.003	<0.003		<0.003 (D)	<0.003	<0.003
3/12/2020	0.00052 (J)	0.0011 (J)	0.00066 (J)	0.00043 (J)		<0.003
3/16/2020					<0.003	
9/16/2020	<0.003	<0.003	0.0012 (J)			
9/17/2020				0.00082 (J)	<0.003	<0.003
3/17/2021	<0.003	<0.003	0.00099 (J)	<0.003		
3/18/2021					<0.003	<0.003
8/10/2021	<0.003	0.0028 (J)	0.0017 (J)	0.0015 (J)	<0.003	<0.003
2/2/2022	<0.003	<0.003	0.00093 (J)	0.0015 (J)	<0.003	<0.003
8/17/2022	<0.003	<0.003	0.0011 (J)	<0.003	0.001 (J)	<0.003
2/17/2023	<0.003	<0.003				
2/20/2023			0.0012 (J)		<0.003	
2/21/2023				<0.003		<0.003

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			<0.005	
10/23/2007	<0.005						
10/24/2007		<0.005	<0.005				
11/2/2007						<0.005	
11/18/2007	<0.005	<0.005	<0.005			<0.005	
1/30/2008	<0.005						
1/31/2008		<0.005	0.005			<0.005	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				<0.005	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						<0.005	
12/4/2008		0.012 (O)	<0.005				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	<0.005	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		0.0056			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	<0.005	<0.005	<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
5/19/2016	<0.005		<0.005				
5/20/2016		<0.005					
5/23/2016						<0.005	
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				0.0011 (JD)			
7/29/2016	<0.005	<0.005	0.0008 (J)			<0.005	
9/15/2016					<0.005		<0.005
9/22/2016			<0.005			<0.005	
9/23/2016	<0.005	<0.005					
11/2/2016					<0.005		
11/3/2016							<0.005
11/9/2016	<0.005	<0.005					
11/10/2016			<0.005			<0.005	
1/17/2017							<0.005
1/18/2017					<0.005		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			<0.005	
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				0.0007 (JD)			
3/28/2017					0.0007 (J)		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			0.0007 (J)				
5/24/2017							<0.005
6/7/2017					<0.005		
6/8/2017				0.0007 (JD)			
6/9/2017	0.0005 (J)		0.0006 (J)				
6/12/2017		<0.005				<0.005	
7/17/2017				0.0005 (JD)			
7/27/2017				<0.005			
8/9/2017				0.0008 (J)			
9/26/2017					<0.005		0.0005 (J)
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	0.0005 (J)				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	0.00085 (J)		0.001 (J)	<0.005			
3/19/2018		<0.005				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					0.00043 (J)		0.00068 (J)
9/12/2019	0.0004 (J)	<0.005 (D)					
9/13/2019			0.00051 (J)			<0.005	
3/9/2020				0.00083 (J)	<0.005		<0.005
3/11/2020	0.00088 (J)	<0.005	0.00044 (J)			<0.005	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	0.00081 (J)				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					
3/29/2021						0.001 (J)	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.0031 (J)			<0.005	
1/31/2022					0.0021 (J)		<0.005
2/1/2022	<0.005	0.0019 (J)	0.0053				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	0.0033 (J)	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							<0.005
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		0.0012 (J)					
7/22/2016			<0.005				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
1/30/2017							<0.005
2/22/2017						0.0019 (J)	
3/24/2017	<0.005						
3/27/2017		0.0008 (J)	<0.005				
3/28/2017				<0.005	0.0005 (J)		
4/7/2017						0.0008 (J)	<0.005
6/6/2017	<0.005 (*)	<0.005 (*)		<0.005 (*)	<0.005 (*)		
6/7/2017			<0.005 (*)				
6/12/2017							<0.005
6/14/2017						0.0006 (JD)	
7/12/2017						<0.005 (D)	
7/20/2017						0.0009 (JD)	
7/28/2017						<0.005	
8/9/2017						0.0011 (J)	
8/24/2017						0.0007 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	0.001 (J)					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						0.0005 (JD)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						0.0012 (J)	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						0.0006 (JD)	
9/13/2019							<0.005
3/6/2020	<0.005		<0.005				
3/9/2020		<0.005		<0.005	<0.005		
3/11/2020							<0.005
3/12/2020						0.0033 (J)	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						0.0011 (J)	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						0.00098 (J)	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						0.0025 (J)	
1/31/2022	<0.005	<0.005	<0.005	0.0013 (J)	<0.005		
2/1/2022							<0.005
2/3/2022						0.0034 (J)	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						<0.005	<0.005
11/20/2007		0.0079	<0.005				
1/16/2008						0.0086	
1/30/2008		<0.005	<0.005	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		<0.005	<0.005
3/6/2008		<0.005	<0.005		<0.005		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	<0.005						
12/13/2008		0.015 (O)				0.012	0.0096
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						0.008	
4/23/2009	<0.005						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	0.0057		
10/6/2009	<0.005						
10/20/2009		<0.005					
10/21/2009			<0.005			0.0081	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/28/2010							<0.005
5/3/2010	0.012 (O)						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						0.0067	<0.005
10/11/2010	<0.005						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	<0.005						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.005						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						0.0086	
4/25/2012							<0.005
5/1/2012	<0.005						
10/2/2012	<0.005					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						<0.005	<0.005
4/3/2013		<0.005	<0.005	<0.005	<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/10/2013	<0.005						
10/8/2013							<0.005
10/9/2013				<0.005	0.006	0.0094	
10/15/2013		<0.005	<0.005				
10/16/2013	<0.005						
4/1/2014						0.0097	<0.005
4/2/2014				<0.005	0.005 (J)		
4/9/2014		<0.005	<0.005				
4/22/2014	<0.005						
10/1/2014	<0.005						0.0022 (J)
10/2/2014		<0.005	<0.005	<0.005	0.0036 (J)	0.0055	
3/30/2015	<0.005						
4/1/2015				<0.005	0.0077	0.011	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	<0.005			<0.005	0.0071		
10/12/2015			<0.005				
10/14/2015						0.007	
10/15/2015							<0.005
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	0.00315 (J)	0.00645	0.00124 (J)
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	<0.005	0.00313 (J)		
5/27/2016						0.00692	
5/31/2016							<0.005
8/1/2016	<0.005						
8/3/2016			<0.005	<0.005		0.0068	
8/4/2016					0.0032 (J)		<0.005
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	<0.005	0.0029 (J)		
9/29/2016							<0.005
9/30/2016						0.0065	
11/11/2016	<0.005						
11/22/2016		<0.005	<0.005	<0.005	0.0048 (J)	0.0066	
11/28/2016							<0.005
1/30/2017	<0.005						
2/7/2017		<0.005	<0.005				
2/8/2017				<0.005	0.0022 (J)		
2/9/2017							<0.005
2/13/2017						0.0092	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	<0.005	0.002 (J)		
4/11/2017						0.0051	
4/12/2017							0.001 (J)
6/12/2017	<0.005						
6/14/2017		<0.005	<0.005			0.0056	
6/15/2017				<0.005	0.0014 (J)		
6/16/2017							0.0007 (J)
10/2/2017	<0.005						
10/4/2017		0.0006 (J)	<0.005	<0.005	0.002 (J)	0.0068	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/9/2017							0.0006 (J)
3/16/2018	<0.005						
3/20/2018		0.00079 (J)					
3/21/2018			<0.005	0.00058 (J)			0.0013 (J)
3/22/2018					0.0022 (J)	0.0055	
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	0.0064	
9/19/2018							<0.005
3/19/2019	<0.005						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	0.0016 (J)	0.0055	0.00067 (J)
9/12/2019	<0.005						
9/17/2019		<0.005	<0.005	<0.005	0.0016 (J)	0.00465 (JD)	
9/18/2019							0.00052 (J)
3/11/2020	<0.005						
3/12/2020		<0.005	<0.005	<0.005	0.0012 (J)	0.0053	
3/13/2020							0.00096 (J)
9/15/2020	<0.005						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	0.0012 (J)	0.0065	
9/22/2020							0.00098 (J)
3/17/2021	<0.005						
3/18/2021		<0.005	<0.005				<0.005
3/19/2021				<0.005	0.0013 (J)	0.0052	
8/9/2021	<0.005						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	0.0017 (J)	0.0042 (J)	<0.005
2/2/2022	<0.005					0.0027 (J)	
2/4/2022		0.0023 (J)	0.0019 (J)	0.0023 (J)	0.0035 (J)		
2/17/2022							<0.005
8/17/2022	<0.005	<0.005					
8/18/2022			<0.005	<0.005	<0.005	0.0037 (J)	<0.005
2/16/2023	<0.005						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						0.0094 (J)	
2/22/2023							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		<0.005	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	0.0077			
1/31/2008	<0.005						
3/5/2008	<0.005	0.0079					
3/6/2008			<0.005				
3/10/2008				<0.005			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		0.014 (O)	<0.005	0.0061			
12/12/2008	0.02 (O)						
4/16/2009		0.0069					
4/28/2009			<0.005	<0.005			
4/29/2009	0.0066						
10/19/2009			<0.005				
10/20/2009		0.0054		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	0.016 (O)						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	0.005 (J)			
9/30/2014		<0.005	<0.005	0.0025 (J)			
10/1/2014	0.0021 (J)						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					0.00101 (J)	<0.005	<0.005
4/4/2016	0.00144 (J)						
4/5/2016		<0.005	<0.005	0.00153 (J)			
5/16/2016					<0.005	<0.005 (D)	<0.005
5/31/2016			<0.005	0.00261 (J)			
6/1/2016	0.0011 (JD)	<0.005					
7/25/2016					<0.005	<0.005 (D)	<0.005
8/4/2016			<0.005				
8/9/2016		<0.005					
9/19/2016					<0.005	<0.005 (D)	<0.005
9/29/2016			<0.005				
11/3/2016					<0.005		<0.005
11/4/2016						<0.005 (D)	
11/23/2016			<0.005	<0.005			
11/28/2016		<0.005					
1/19/2017					<0.005		
1/20/2017							<0.005
1/23/2017						<0.005 (D)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	<0.005						
3/28/2017					0.0009 (J)		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	0.0011 (JD)	<0.005		0.0007 (J)			
4/12/2017			0.0005 (J)				
6/5/2017					0.0033 (J)		
6/7/2017						<0.005	<0.005 (*)
6/14/2017		<0.005					
6/15/2017			<0.005	<0.005			
6/16/2017	0.0043 (JD)						
7/12/2017	0.0013 (JD)	<0.005		<0.005			
7/26/2017				<0.005			
7/28/2017	0.0013 (J)						
8/10/2017	0.0011 (J)						
9/26/2017					0.0008 (J)		
9/27/2017						<0.005	0.0006 (J)
10/5/2017		<0.005					
10/6/2017	0.0013 (JD)		0.0008 (J)	0.0009 (J)			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		0.00096 (J)					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	0.00097 (J)	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					<0.005	<0.005 (D)	<0.005 (D)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	0.00045 (X)						
3/10/2020					0.0013 (J)	<0.005	<0.005
3/13/2020		<0.005	0.00047 (J)	0.00052 (J)			
3/17/2020	0.00067 (J)						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	0.00086 (J)						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	0.00084 (J)						
8/4/2021					<0.005		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		
2/1/2022						<0.005	<0.005
2/4/2022	0.0035 (J)	0.0019 (J)	0.0026 (J)				
2/7/2022				0.0025 (J)			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					<0.005	<0.005	<0.005
2/22/2023	0.0031 (J)	<0.005	<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							<0.005
3/11/2008							<0.005
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							<0.005
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							<0.005
4/11/2013							<0.005
10/16/2013							<0.005
4/23/2014							<0.005
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.005	<0.005	0.00136 (J)	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							<0.005
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	0.00127 (J)		<0.005	<0.005	
5/25/2016							<0.005
7/26/2016	<0.005						
7/27/2016		<0.005	0.0012 (J)	<0.005	<0.005		
7/28/2016						<0.005	
8/1/2016							<0.005
9/20/2016	<0.005	<0.005	<0.005	<0.005			
9/21/2016					<0.005	<0.005	
9/27/2016							<0.005
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
11/11/2016							<0.005
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
1/31/2017							<0.005
3/28/2017	0.0004 (J)			<0.005			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						<0.005	
4/3/2017							<0.005
6/7/2017	<0.005 (*)						
6/8/2017		0.0006 (J)	0.001 (J)	<0.005	<0.005		
6/9/2017						<0.005	
6/12/2017							0.0006 (J)
9/27/2017		<0.005	0.0009 (J)				
9/29/2017	<0.005			<0.005	<0.005	<0.005	
10/3/2017							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	0.00091 (J)	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		
3/19/2019			<0.005			<0.005	
3/20/2019							<0.005
9/11/2019	<0.005		0.00067 (J)	<0.005 (D)	<0.005	<0.005	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	0.00051 (J)	<0.005		<0.005	
3/10/2020	<0.005						
3/11/2020					0.00041 (J)		
3/16/2020							<0.005
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							<0.005
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	0.0012 (J)			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/20/2023							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						0.0086
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						0.0065
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	0.014 (O)					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.0029 (J)	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.00116 (J)
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			0.0031 (J)	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			0.0028 (J)	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			0.0031 (J)		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	0.0031 (J)			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	0.0006 (J)	<0.005	0.003 (J)	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	0.0024 (J)		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			0.0029 (J)			
10/3/2017	<0.005	<0.005	0.0018 (J)		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	0.00089 (J)					
3/20/2018		<0.005	0.0024 (J)		0.0006 (J)	<0.005
3/21/2018				0.00077 (J)		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	0.00077 (J)			<0.005
3/27/2019				<0.005		
5/6/2019					0.00063 (J)	
9/13/2019			0.0017 (J)			
9/16/2019	0.00071 (J)	0.00038 (J)		0.0004 (JD)	0.00043 (J)	0.00044 (J)
3/12/2020	0.00055 (J)	<0.005	0.00044 (J)	0.00039 (J)		<0.005
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	0.0013 (J)	<0.005	<0.005	<0.005		
3/18/2021					0.00082 (J)	<0.005
8/10/2021	0.0016 (J)	<0.005	0.0013 (J)	<0.005	<0.005	<0.005
2/2/2022	<0.005	0.0012 (J)	0.002 (J)	0.0013 (J)	0.0011 (J)	0.0013 (J)
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		0.0028 (J)

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	0.02	0.0073	0.0098			0.015 (O)	
10/23/2007	0.039						
10/24/2007		0.027	0.015				
11/2/2007						0.017 (O)	
11/18/2007	0.04 (J)	0.13 (O)	0.011			0.019 (O)	
1/30/2008	0.04						
1/31/2008		0.0077	0.13 (O)			0.011 (O)	
3/10/2008	0.033		0.0078				
3/11/2008		0.015				0.016 (O)	
5/6/2008		0.017					
5/13/2008	0.03		0.0077				
5/14/2008						0.013 (O)	
12/4/2008		0.14 (O)	0.0089				
12/5/2008	0.0087					0.021 (O)	
4/15/2009	0.023					0.012 (O)	
4/21/2009		0.018	0.013				
10/7/2009	0.15 (O)	0.014					
10/8/2009			0.008			0.011 (O)	
4/21/2010			0.01				
4/26/2010		0.017					
4/28/2010						0.0081	
5/3/2010	0.025						
9/28/2010			0.0036				
10/4/2010		0.011					
10/6/2010						0.0083	
10/12/2010	0.029						
4/12/2011			0.0084				
4/13/2011		0.026					
4/21/2011						0.0053	
4/27/2011	0.026						
10/4/2011			0.0066				
10/5/2011		0.021					
10/13/2011						0.0071	
10/17/2011	0.021						
4/3/2012			0.0625 (O)				
4/11/2012		0.0311					
5/1/2012						0.0067	
5/2/2012	0.0212						
10/8/2012	0.019						
10/9/2012		0.018	0.01			0.0055	
4/11/2013			0.021			0.0061	
4/12/2013	0.022						
4/15/2013		0.056					
10/15/2013		0.018					
10/16/2013	0.02		0.033			0.0062	
4/10/2014			0.021				
4/11/2014	0.018						
4/22/2014		0.035					
4/23/2014						0.0047	
9/30/2014	0.013	0.0041	0.0062				
10/4/2014						0.0055	
3/30/2015	0.021	0.036	0.011				

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0076	
10/12/2015						0.0049	
10/13/2015	0.012	0.0048	0.0065				
3/14/2016					0.0234		
3/15/2016							0.0101
3/22/2016	0.0182						
3/23/2016		0.0271	0.0206			0.00742 (J)	
5/11/2016					0.00793 (J)		0.00992 (J)
5/16/2016				0.0113 (D)			
5/19/2016	0.0193		0.0109				
5/20/2016		0.0206					
5/23/2016						0.00532 (J)	
7/19/2016					0.0045 (J)		
7/21/2016							0.009 (J)
7/27/2016				0.0114 (D)			
7/29/2016	0.0174	0.0275	0.007 (J)			0.0053 (J)	
9/15/2016					0.0057 (J)		0.0109
9/22/2016			0.0071 (J)			0.0058 (J)	
9/23/2016	0.0168	0.0384					
11/2/2016					0.0043 (J)		
11/3/2016							0.0115
11/9/2016	0.0171	0.0266					
11/10/2016			0.0052 (J)			0.0051 (J)	
1/17/2017							0.0101
1/18/2017					<0.01 (*)		
1/30/2017	0.019						
1/31/2017		0.0094 (J)	0.0076 (J)			0.0054 (J)	
2/21/2017				0.0178			
3/24/2017							0.0086 (J)
3/27/2017				0.0162 (D)			
3/28/2017					0.0188		
3/30/2017	0.0184	0.0262				0.0049 (J)	
4/3/2017			0.007 (J)				
5/24/2017							0.0087 (J)
6/7/2017					0.0273		
6/8/2017				0.0156 (D)			
6/9/2017	0.0174		0.0074 (J)				
6/12/2017		0.0288				<0.01	
7/17/2017				0.016 (D)			
7/27/2017				0.0184			
8/9/2017				0.0162			
9/26/2017					0.0236		0.0075 (J)
9/29/2017				0.0159 (D)			
10/2/2017	0.0167	0.0048 (J)	0.0085 (J)				
10/4/2017						0.0047 (J)	
3/14/2018					0.027		0.0064 (J)
3/16/2018	0.016		0.015	0.016			
3/19/2018		0.037				0.0047 (J)	
9/12/2018					0.022		0.0075 (J)
9/14/2018		0.0059 (J)	0.0095 (J)	0.015			
9/17/2018	0.015 (D)					0.0041 (J)	
3/13/2019							0.0076 (J)

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				0.018			
3/15/2019					0.019		
3/19/2019			0.024				
3/20/2019	0.019	0.0072 (J)				0.0042 (J)	
9/9/2019					0.015		0.0078 (J)
9/12/2019	0.018	0.0058 (JD)					
9/13/2019			0.012			0.0042 (J)	
3/9/2020				0.017	0.0072 (J)		0.0088 (J)
3/11/2020	0.016	0.035	0.027			0.0041 (J)	
9/10/2020					0.0042 (J)		
9/11/2020							0.0079 (J)
9/15/2020	0.019	0.019	0.013				
9/16/2020				0.027			
3/10/2021							0.0083
3/12/2021					0.014		
3/16/2021	0.018		0.013	0.014			
3/17/2021		0.025					
3/29/2021						0.0073	
8/4/2021					0.011		0.008
8/6/2021				0.014			
8/9/2021	0.019	0.024	0.029			0.0073	
1/31/2022					0.013		0.0081
2/1/2022	0.015	0.026	0.024				
2/2/2022				0.013		0.0064	
8/10/2022					0.01		
8/12/2022							0.0076
8/16/2022	0.017	0.021	0.027	0.013		0.0067	
2/13/2023					0.018		0.0075
2/14/2023				0.014			
2/16/2023	0.018	0.029	0.028				
2/17/2023						0.0065	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.098 (O)
4/23/2009							0.013
10/6/2009							0.011
4/27/2010							0.016
9/30/2010							0.013
4/14/2011							0.011
10/5/2011							0.015
4/11/2012							0.0102
10/2/2012							0.0091
4/9/2013							0.01
10/15/2013							0.0098
4/10/2014							0.011
10/1/2014							0.0033
3/30/2015							0.0043
10/11/2015							0.0038
3/11/2016			0.00639 (J)	0.0116	0.00819 (J)		
3/15/2016	0.0291	0.0462					
3/28/2016							0.0133
5/12/2016	0.0322						
5/13/2016		0.0265		0.0361	0.00756 (J)		
5/16/2016			0.00622 (J)				
5/23/2016							0.0109
7/19/2016				0.036	0.0079 (J)		
7/20/2016	0.0313						
7/21/2016		0.0243					
7/22/2016			0.0062 (J)				
8/1/2016							0.0058 (J)
9/15/2016	0.0217						
9/16/2016				0.0259	0.0078 (J)		
9/19/2016			0.0064 (J)				
9/21/2016		0.0145					
9/26/2016							0.0092 (J)
11/2/2016				0.037	0.0082 (J)		
11/3/2016	0.0272	0.0082 (J)	0.0058 (J)				
11/10/2016							0.0083 (J)
1/17/2017		0.007 (J)	0.0061 (J)				
1/18/2017	0.0286 (J)			0.0248	0.0085 (J)		
1/30/2017							0.0117
2/22/2017						0.0273	
3/24/2017	0.0307						
3/27/2017		0.016	0.0063 (J)				
3/28/2017				0.0222	0.0084 (J)		
4/7/2017						0.024	0.0109
6/6/2017	0.0242	0.0301		0.02	0.0078 (J)		
6/7/2017			0.0064 (J)				
6/12/2017							<0.01
6/14/2017						0.027 (D)	
7/12/2017						0.027 (D)	
7/20/2017						0.0304 (D)	
7/28/2017						0.0269	
8/9/2017						0.0254	
8/24/2017						0.0285	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				0.0179	0.0076 (J)		
9/25/2017	0.0252	0.0169					
9/26/2017			0.006 (J)				
10/2/2017							0.0122
10/3/2017						0.0294 (D)	
3/14/2018	0.021	0.036	0.0065 (J)	0.016			
3/15/2018					0.0092 (J)		
3/16/2018							0.0084 (J)
3/21/2018						0.03	
9/12/2018	0.025	0.021		0.017	0.008 (J)		
9/14/2018			0.0065 (J)				
9/17/2018							0.01
9/18/2018						0.032	
3/13/2019				0.014	0.0077 (J)		
3/14/2019	0.028	0.04	0.0066 (J)				
3/19/2019							0.012
3/21/2019						0.04 (D)	
9/10/2019	0.0195 (D)	0.031	0.0068 (J)				
9/11/2019				0.015	0.0079 (J)		
9/12/2019						0.034 (D)	
9/13/2019							0.0088 (J)
3/6/2020	0.022		0.0066 (J)				
3/9/2020		0.031		0.012	0.0069 (J)		
3/11/2020							0.0077 (J)
3/12/2020						0.053	
9/10/2020	0.024	0.031	0.0059 (J)				
9/11/2020				0.024			
9/14/2020					0.0075 (J)		
9/16/2020							0.0081 (J)
9/17/2020						0.036	
3/10/2021		0.023					
3/11/2021	0.024		0.0061	0.0096	0.0069		
3/16/2021						0.042	
3/17/2021							0.0074
8/4/2021	0.021	0.021	0.0061				
8/5/2021					0.0069		
8/6/2021				0.015			
8/9/2021							0.0071
8/10/2021						0.045	
1/31/2022	0.022	0.031	0.0063	0.014	0.0076		
2/1/2022							0.0065
2/3/2022						0.063	
8/10/2022			0.0063		0.0066		
8/11/2022	0.022	0.019		0.016			
8/16/2022							0.0072
8/17/2022						0.034	
2/13/2023	0.029	0.028	0.0061		0.0064		
2/14/2023				0.011			
2/16/2023							0.0067
2/17/2023						0.043	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.021	0.027	0.034	0.01	0.023	0.065
11/1/2007		0.017	0.024	0.036	0.012	0.034	0.019
11/18/2007				0.036	0.011		
11/19/2007						0.043	0.015
11/20/2007		0.1 (O)	0.022				
1/16/2008						0.13 (O)	
1/30/2008		0.035	0.033 (J)	0.031 (J)	0.013		
1/31/2008							0.022
3/5/2008				0.018		0.07	0.012
3/6/2008		0.042	0.019		0.017		
5/7/2008				0.015	0.0066		
5/8/2008			0.017				
5/12/2008		0.0087					0.014
5/13/2008						0.039	
12/12/2008	0.016						
12/13/2008		0.12 (O)				0.13 (O)	0.11 (O)
12/14/2008			0.02	0.12 (O)	0.013		
4/16/2009						0.13 (O)	
4/23/2009	0.14 (O)						
4/28/2009							0.12 (O)
4/29/2009		0.11 (O)	0.017	0.0079	0.0098		
10/6/2009	0.12 (O)						
10/20/2009		0.016					
10/21/2009			0.021			0.033	0.023
10/22/2009				0.007	0.013		
4/21/2010			0.019	0.0074	0.0069		
4/26/2010		0.016					
4/27/2010						0.11 (O)	
4/28/2010							0.019
5/3/2010	0.12 (O)						
9/28/2010			0.018	0.0068			
9/29/2010		0.016			0.0049		
10/5/2010						0.027	0.018
10/11/2010	0.019						
4/12/2011			0.017	0.0089			
4/13/2011		0.012			0.0074		
4/19/2011						0.025	0.019
4/27/2011	0.02						
10/4/2011			0.022	0.012	0.0062		
10/5/2011		0.014					
10/12/2011						0.025	
10/18/2011							0.025
10/19/2011	0.014						
4/3/2012			0.0212	0.0169			
4/4/2012		0.017			0.0091		
4/24/2012						0.027	
4/25/2012							0.024
5/1/2012	0.0199						
10/2/2012	0.015					0.013	0.019
10/3/2012		0.015		0.03	0.0089		
10/8/2012			0.019				
4/2/2013						0.031	0.021

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.018	0.021	0.008	0.012		
4/10/2013	0.016						
10/8/2013							0.027
10/9/2013				0.0093	0.0079	0.025	
10/15/2013		0.018	0.022				
10/16/2013	0.017						
4/1/2014						0.023	0.023
4/2/2014				0.031	0.0086		
4/9/2014		0.019	0.02				
4/22/2014	0.017						
10/1/2014	0.013						0.014
10/2/2014		0.016	0.023	0.035	0.01	0.025	
3/30/2015	0.014						
4/1/2015				0.013	0.019	0.025	0.027
4/2/2015		0.017	0.022				
10/10/2015		0.014					
10/11/2015	0.0093			0.0079	0.014		
10/12/2015			0.028				
10/14/2015						0.027	
10/15/2015							0.033
3/28/2016	0.0155						
3/31/2016		0.0179	0.0273				
4/4/2016				0.0119	0.0176	0.0285	0.027
5/25/2016	0.0143						
5/26/2016		0.0186	0.0305	0.0127	0.0195		
5/27/2016						0.0257	
5/31/2016							0.0283
8/1/2016	0.0129						
8/3/2016			0.0284	0.0121		0.0237	
8/4/2016					0.0151		0.0358
8/5/2016		0.0138					
9/26/2016	0.0177						
9/28/2016		0.0153	0.036	0.0112	0.0132		
9/29/2016							0.0437
9/30/2016						0.0279	
11/11/2016	0.0117						
11/22/2016		0.0184 (J)	0.0341 (J)	0.0155 (J)	0.0186 (J)	0.0286 (J)	
11/28/2016							0.0419 (J)
1/30/2017	0.0113						
2/7/2017		0.0215	0.0309				
2/8/2017				0.0115	0.015		
2/9/2017							0.0472
2/13/2017						0.0313	
4/3/2017	0.0166						
4/10/2017		0.0247	0.0235	<0.0117	0.0172		
4/11/2017						0.0254	
4/12/2017							0.0383
6/12/2017	0.017						
6/14/2017		0.0227	0.0258			0.0241	
6/15/2017				0.0112	0.0167		
6/16/2017							0.0457
10/2/2017	0.0157						

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	0.0095						
8/23/2007			0.015				
8/24/2007		0.0089		0.017			
11/1/2007	0.02						
11/2/2007		0.0091	0.024	0.011			
11/17/2007		0.021	0.027				
11/18/2007				0.012 (J)			
11/19/2007	0.023						
1/15/2008		0.013	0.022	0.088 (O)			
1/31/2008	0.028						
3/5/2008	0.022	0.11 (O)					
3/6/2008			0.021				
3/10/2008				0.0077			
5/7/2008	0.019	0.01	0.023				
5/13/2008				0.0055			
12/2/2008		0.12 (O)	0.024	0.0097			
12/12/2008	0.19 (O)						
4/16/2009		0.13 (O)					
4/28/2009			0.031	0.0042			
4/29/2009	0.14 (O)						
10/19/2009			0.027				
10/20/2009		0.05		0.0056			
10/21/2009	0.034						
4/20/2010		0.019					
4/27/2010			0.051 (O)	0.0039			
4/28/2010	0.11 (O)						
9/29/2010		0.017					
10/4/2010			0.028				
10/5/2010				0.0047			
10/6/2010	0.018						
4/12/2011		0.014					
4/18/2011			0.026				
4/19/2011				0.0071			
4/20/2011	0.015						
10/4/2011		0.017					
10/12/2011	0.019		0.026	0.0098			
4/4/2012		0.0182					
4/23/2012			0.0224				
4/25/2012	0.0158			0.0088			
10/2/2012	0.036						
10/10/2012		0.048	0.024	0.0093			
4/2/2013	0.039						
4/15/2013		0.03	0.029				
4/16/2013				0.0098			
10/8/2013	0.016						
10/22/2013		0.033	0.022	0.0097			
4/1/2014	0.017						
4/21/2014		0.033	0.025	0.008			
9/30/2014		0.027	0.022	0.0074			
10/1/2014	0.018						
3/31/2015	0.021						
4/3/2015		0.13 (O)	0.022	0.0076			

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.0088			
10/7/2015		0.047	0.023				
10/14/2015	0.013						
3/16/2016					0.0545	0.00599 (J)	0.0244
4/4/2016	0.0222						
4/5/2016		0.0279	0.0308	0.00971 (J)			
5/16/2016					0.0418	0.006 (J)	0.0222
5/31/2016			0.0255	0.00589 (J)			
6/1/2016	0.0283	0.0249					
7/25/2016					0.0179	0.0056 (J)	0.02
8/4/2016			0.0227				
8/9/2016		0.0268					
9/19/2016					0.0152	0.0059 (J)	0.019
9/29/2016			0.0258				
11/3/2016					0.0127		0.0177
11/4/2016						0.0054 (J)	
11/23/2016			0.0263 (J)	<0.05			
11/28/2016		<0.01					
1/19/2017					0.0172		
1/20/2017							0.0173
1/23/2017						0.006 (J)	
2/9/2017		0.0119					
2/10/2017			0.025	0.0233			
2/22/2017	0.0561						
3/28/2017					0.0437		
3/29/2017						0.0058 (J)	0.0184
4/11/2017	0.0748	0.0112 (D)		0.0162			
4/12/2017			0.026				
6/5/2017					0.0747		
6/7/2017						0.0062 (J)	0.019
6/14/2017		<0.01					
6/15/2017			0.0244	0.0148			
6/16/2017	0.0661						
7/12/2017	0.0932	0.0105		0.0166			
7/26/2017				0.0146			
7/28/2017	0.0808						
8/10/2017	0.0743						
9/26/2017					0.0338		
9/27/2017						0.0056 (J)	0.0197
10/5/2017		0.0099 (J)					
10/6/2017	0.0699		0.0254	0.015			
12/28/2017	0.082 (Y)						
3/15/2018					0.059	0.0057 (J)	0.021
3/22/2018		0.011					
3/23/2018	0.086		0.021	0.013			
9/12/2018					0.032		
9/13/2018						0.0057 (J)	0.022
9/19/2018		0.013	0.02	0.015			
9/20/2018	0.093						
3/14/2019					0.077	0.0066 (J)	0.024
3/22/2019	0.086	0.014		0.014			
3/25/2019			0.021				

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/11/2019					0.036	0.0061 (J)	0.021
9/17/2019		0.015	0.023	0.014			
9/18/2019	0.097						
3/10/2020					0.059	0.0061 (J)	0.024
3/13/2020		0.017	0.02	0.014			
3/17/2020	0.097						
9/11/2020						0.006 (J)	0.021
9/15/2020					0.035		
9/21/2020		0.013	0.021	0.013			
9/22/2020	0.095						
3/11/2021					0.046	0.0059	0.022
3/18/2021		0.014	0.02	0.012			
3/19/2021	0.086						
8/4/2021					0.047		
8/6/2021						0.0061	0.023
8/11/2021		0.016	0.019	0.013			
8/12/2021	0.094						
1/31/2022					0.047		
2/1/2022						0.0072	0.026
2/4/2022	0.11	0.014	0.017				
2/7/2022				0.012			
8/12/2022						0.0064	0.022
8/15/2022					0.04		
8/18/2022		0.014					
8/19/2022	0.1		0.016	0.011			
2/14/2023					0.042	0.0067	0.025
2/22/2023	0.099	0.014	0.016	0.01			

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.017
10/25/2007							0.023
11/19/2007							0.024
1/23/2008							0.028
3/11/2008							0.022
5/12/2008							0.021
12/11/2008							0.022
4/15/2009							0.13 (O)
10/9/2009							0.026
5/4/2010							0.018
10/12/2010							0.019
4/28/2011							0.015
10/19/2011							0.016
5/2/2012							0.0191
10/9/2012							0.019
4/11/2013							0.013
10/16/2013							0.017
4/23/2014							0.015
10/3/2014							0.02
3/31/2015							0.014
10/12/2015							0.017
3/10/2016	0.0209	0.0144	0.0344	0.0361			
3/17/2016					0.0112	0.0121	
3/28/2016							0.0173
5/17/2016	0.0202			0.0277			
5/18/2016		0.0136	0.0184		0.0107	0.0117	
5/25/2016							0.0175
7/26/2016	0.0165						
7/27/2016		0.013	0.0146	0.0276	0.0104		
7/28/2016						0.0081 (J)	
8/1/2016							0.0145
9/20/2016	0.0132	0.0146	0.0122	0.0266			
9/21/2016					0.0106	0.0106	
9/27/2016							0.0139
11/4/2016	0.012		0.0119	0.0239	0.0098 (J)		
11/7/2016		0.0124				0.0047 (J)	
11/11/2016							0.0135
1/20/2017	0.0133		0.0114				
1/23/2017		0.0158		<0.01			
1/24/2017					0.0101	0.0071 (J)	
1/31/2017							0.0153
3/28/2017	0.0161			0.024			
3/29/2017		0.017	0.0116		0.0103		
3/30/2017						0.0043 (J)	
4/3/2017							0.0135
6/7/2017	0.0141						
6/8/2017		0.0149	<0.011 (*)	0.0317	<0.0106 (*)		
6/9/2017						<0.01 (*)	
6/12/2017							0.0154
9/27/2017		0.012	0.0098 (J)				
9/29/2017	0.0151			0.0265	0.0097 (J)	0.004 (J)	
10/3/2017							0.0138

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.023					
8/23/2007						0.043
10/25/2007	0.018					
11/1/2007						0.032
11/19/2007						0.049 (J)
11/20/2007	0.1 (O)					
1/15/2008						0.12 (O)
1/23/2008	0.031					
3/6/2008						0.075 (O)
3/11/2008	0.016					
5/13/2008						0.055
5/14/2008	0.024					
12/11/2008	0.022					
12/12/2008						0.16 (O)
4/16/2009						0.15 (O)
4/23/2009	0.012					
10/9/2009	0.11 (O)					
10/13/2009						0.05
4/21/2010						0.039
5/4/2010	0.096 (O)					
9/29/2010						0.033
10/11/2010	0.018					
4/13/2011						0.033
4/26/2011	0.01					
10/5/2011						0.035
10/18/2011	0.012			0.015		
4/4/2012						0.0422
4/30/2012				0.0192		
5/2/2012	0.0119					
10/3/2012				0.017		
10/8/2012	0.01					0.029
4/8/2013				0.018		0.042
4/10/2013	0.013					
10/8/2013	0.014					
10/9/2013				0.021		0.04
4/9/2014						0.038
4/10/2014				0.019		
4/14/2014	0.01					
9/30/2014						0.038
10/2/2014				0.014		
10/3/2014	0.014					
4/1/2015	0.013					
4/2/2015						0.039
4/3/2015				0.014		
5/26/2015		0.016			0.06	
6/18/2015		0.015 (D)			0.047 (D)	
7/2/2015		0.014			0.04	
10/8/2015				0.024	0.032	
10/9/2015	0.008	0.012				
10/10/2015						0.038 (D)
3/22/2016					0.0263	
3/29/2016	0.00738 (J)	0.00786 (J)				

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.0163		0.0412
5/24/2016	0.00902 (J)	0.00847 (J)		0.0137		
5/25/2016					0.0178	
5/26/2016						0.0357
5/31/2016			0.0178			
8/1/2016	0.0091 (J)	0.0086 (J)				
8/2/2016			0.0394	0.0152	0.0265	
8/5/2016						0.03
9/26/2016	0.0124	0.0086 (J)			0.0267	
9/27/2016			0.032	0.0147		
9/28/2016						0.0308
11/14/2016		0.0083 (J)				
11/18/2016	0.0117					
11/21/2016			0.0316 (J)		0.0309 (J)	0.0356 (J)
11/22/2016				0.0174 (J)		
2/1/2017	0.0086 (J)	0.0096 (J)	0.0264			
2/3/2017					0.0289	
2/6/2017				0.0144		0.0391
4/6/2017	0.0083 (J)	0.0087 (J)	0.0245	0.0149		0.0402
4/7/2017					0.029	
6/13/2017	<0.01	<0.01	0.0247		0.027	0.0394
6/14/2017				0.0139		
7/14/2017			0.0245			
10/3/2017	0.0084 (J)	0.0098 (J)	0.0218		0.0292	0.0381
10/4/2017				0.015		
3/19/2018	0.0079 (J)					
3/20/2018		0.0088 (J)	0.024		0.029	0.039
3/21/2018				0.015		
9/17/2018	0.0065 (J)	0.0082 (J)				
9/18/2018			0.027	0.014	0.025	0.037
3/21/2019	0.0074 (J)	0.0075 (J)	0.03			0.042
3/27/2019				0.014		
5/6/2019					0.017	
9/13/2019			0.031			
9/16/2019	0.0075 (J)	0.0072 (J)		0.015 (D)	0.026	0.035
3/12/2020	0.0075 (J)	0.0072 (J)	0.022	0.014		0.044
3/16/2020					0.027	
9/16/2020	0.0074 (J)	0.0066 (J)	0.02			
9/17/2020				0.014	0.025	0.031
3/17/2021	0.0075	0.0072	0.022	0.014		
3/18/2021					0.018	0.041
8/10/2021	0.0074	0.0072	0.02	0.014	0.029	0.043
2/2/2022	0.0064	0.0066	0.015	0.013	0.024	0.044
8/17/2022	0.0065	0.0068	0.014	0.013	0.017	0.047
2/17/2023	0.0067	0.0067				
2/20/2023			0.015		0.024	
2/21/2023				0.011		0.042

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
9/30/2014	<0.003	<0.003	<0.003				
10/4/2014						<0.003	
3/30/2015	0.00029 (J)	<0.003	<0.003				
3/31/2015						<0.003	
10/12/2015						<0.003	
10/13/2015	<0.003	<0.003	<0.003				
3/14/2016					<0.003		
3/15/2016							<0.003
3/22/2016	<0.003						
3/23/2016		<0.003	<0.003			<0.003	
5/11/2016					<0.003		<0.003
5/16/2016				<0.003 (D)			
5/19/2016	<0.003		<0.003				
5/20/2016		<0.003					
5/23/2016						<0.003	
7/19/2016					<0.003		
7/21/2016							<0.003
7/27/2016				0.0004 (JD)			
7/29/2016	<0.003	<0.003	<0.003			<0.003	
9/15/2016					<0.003		<0.003
9/22/2016			<0.003			<0.003	
9/23/2016	<0.003	<0.003					
11/2/2016					<0.003		
11/3/2016							<0.003
11/9/2016	<0.003	<0.003					
11/10/2016			<0.003			<0.003	
1/17/2017							<0.003
1/18/2017					<0.003		
1/30/2017	<0.003						
1/31/2017		<0.003	<0.003			<0.003	
2/21/2017				<0.003			
3/24/2017							<0.003
3/27/2017				<0.003 (D)			
3/28/2017					<0.003		
3/30/2017	<0.003	<0.003				<0.003	
4/3/2017			<0.003				
5/24/2017							<0.003
6/7/2017					<0.003		
6/8/2017				<0.003 (D)			
6/9/2017	<0.003		<0.003				
6/12/2017		<0.003				<0.003	
7/17/2017				<0.003 (D)			
7/27/2017				<0.003			
8/9/2017				<0.003			
9/26/2017					<0.003		<0.003
9/29/2017				<0.003 (D)			
10/2/2017	<0.003	<0.003	<0.003				
10/4/2017						<0.003	
3/14/2018					<0.003		<0.003
3/16/2018	<0.003		<0.003	<0.003			
3/19/2018		<0.003				<0.003	
9/12/2018					<0.003		<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
9/14/2018		<0.003	<0.003	<0.003			
9/17/2018	<0.003 (D)					<0.003	
3/13/2019							<0.003
3/14/2019				<0.003			
3/15/2019					<0.003		
3/19/2019			<0.003				
3/20/2019	<0.003	<0.003				<0.003	
9/9/2019					<0.003		<0.003
9/12/2019	<0.003	<0.003 (D)					
9/13/2019			<0.003			<0.003	
3/9/2020				<0.003	<0.003		<0.003
3/11/2020	<0.003	<0.003	<0.003			<0.003	
9/10/2020					<0.003		
9/11/2020							<0.003
9/15/2020	<0.003	<0.003	<0.003				
9/16/2020				<0.003			
3/10/2021							<0.003
3/12/2021					<0.003		
3/16/2021	<0.003		<0.003	<0.003			
3/17/2021		<0.003					
3/29/2021						<0.003	
8/4/2021					<0.003		<0.003
8/6/2021				<0.003			
8/9/2021	<0.003	<0.003	<0.003			<0.003	
1/31/2022					<0.003		<0.003
2/1/2022	<0.003	<0.003	<0.003				
2/2/2022				<0.003		<0.003	
8/10/2022					<0.003		
8/12/2022							<0.003
8/16/2022	<0.003	<0.003	<0.003	<0.003		<0.003	
2/13/2023					<0.003		<0.003
2/14/2023				<0.003			
2/16/2023	<0.003	<0.003	<0.003				
2/17/2023						<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/1/2014							<0.003
3/30/2015							<0.003
10/11/2015							<0.003
3/11/2016			<0.003	<0.003	<0.003		
3/15/2016	<0.003	<0.003					
3/28/2016							<0.003
5/12/2016	<0.003						
5/13/2016		<0.003		<0.003	<0.003		
5/16/2016			<0.003 (O)				
5/23/2016							<0.003
7/19/2016				<0.003	<0.003		
7/20/2016	<0.003						
7/21/2016		<0.003					
7/22/2016			0.0002 (J)				
8/1/2016							<0.003
9/15/2016	<0.003						
9/16/2016				<0.003	<0.003		
9/19/2016			0.0001 (J)				
9/21/2016		<0.003					
9/26/2016							<0.003
11/2/2016				<0.003	<0.003		
11/3/2016	<0.003	<0.003	0.0002 (J)				
11/10/2016							<0.003
1/17/2017		<0.003	0.0001 (J)				
1/18/2017	<0.003			<0.003	<0.003		
1/30/2017							<0.003
2/22/2017						<0.003	
3/24/2017	<0.003						
3/27/2017		<0.003	0.0001 (J)				
3/28/2017				<0.003	<0.003		
4/7/2017						<0.003	<0.003
6/6/2017	<0.003	<0.003		<0.003	<0.003		
6/7/2017			0.0001 (J)				
6/12/2017							<0.003
6/14/2017						<0.003 (D)	
7/12/2017						<0.003 (D)	
7/20/2017						<0.003 (D)	
7/28/2017						<0.003	
8/9/2017						<0.003	
8/24/2017						<0.003	
9/22/2017				<0.003	<0.003		
9/25/2017	<0.003	<0.003					
9/26/2017			0.0001 (J)				
10/2/2017							<0.003
10/3/2017						<0.003 (D)	
3/14/2018	<0.003	<0.003	0.00014 (J)	<0.003			
3/15/2018					5.1E-05 (J)		
3/16/2018							<0.003
3/21/2018						<0.003	
9/12/2018	<0.003	<0.003		<0.003	<0.003		
9/14/2018			0.00012 (J)				
9/17/2018							<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/18/2018						<0.003	
3/13/2019				<0.003	<0.003		
3/14/2019	<0.003	5.2E-05 (J)	0.00017 (J)				
3/19/2019							<0.003
3/21/2019						<0.003 (D)	
9/10/2019	<0.003 (D)	<0.003	0.00015 (J)				
9/11/2019				<0.003	<0.003		
9/12/2019						<0.003 (D)	
9/13/2019							<0.003
3/6/2020	<0.003		0.00017 (J)				
3/9/2020		<0.003		<0.003	<0.003		
3/11/2020							<0.003
3/12/2020						<0.003	
9/10/2020	<0.003	<0.003	0.00014 (J)				
9/11/2020				6.9E-05 (J)			
9/14/2020					<0.003		
9/16/2020							<0.003
9/17/2020						<0.003	
3/10/2021		<0.003					
3/11/2021	<0.003		0.00015 (J)	<0.003	<0.003		
3/16/2021						<0.003	
3/17/2021							<0.003
8/4/2021	<0.003	<0.003	0.00012 (J)				
8/5/2021					<0.003		
8/6/2021				<0.003			
8/9/2021							<0.003
8/10/2021						<0.003	
1/31/2022	<0.003	<0.003	0.00014 (J)	<0.003	<0.003		
2/1/2022							<0.003
2/3/2022						<0.003	
8/10/2022			0.00016 (J)		<0.003		
8/11/2022	<0.003	<0.003		7.6E-05 (J)			
8/16/2022							<0.003
8/17/2022						<0.003	
2/13/2023	<0.003	<0.003	0.00015 (J)		<0.003		
2/14/2023				<0.003			
2/16/2023							<0.003
2/17/2023						<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/1/2014	<0.003						<0.003
10/2/2014		<0.003	<0.003	<0.003	<0.003	<0.003	
3/30/2015	0.0002 (J)						
4/1/2015				<0.003	<0.003	<0.003	0.00022 (J)
4/2/2015		0.00015 (J)	<0.003				
10/10/2015		8.5E-05 (J)					
10/11/2015	<0.003			<0.003	<0.003		
10/12/2015			<0.003				
10/14/2015						<0.003	
10/15/2015							0.00018 (J)
3/28/2016	<0.003						
3/31/2016		<0.003	<0.003				
4/4/2016				<0.003	<0.003	<0.003	<0.003
5/25/2016	<0.003						
5/26/2016		<0.003	<0.003	<0.003	<0.003		
5/27/2016						<0.003	
5/31/2016							<0.003
8/1/2016	<0.003						
8/3/2016			<0.003	<0.003		<0.003	
8/4/2016					<0.003		<0.003
8/5/2016		<0.003					
9/26/2016	<0.003						
9/28/2016		<0.003	<0.003	<0.003	<0.003		
9/29/2016							9E-05 (J)
9/30/2016						<0.003	
11/11/2016	<0.003						
11/22/2016		<0.003	<0.003	<0.003	<0.003	<0.003	
11/28/2016							<0.003
1/30/2017	<0.003						
2/7/2017		<0.003	<0.003				
2/8/2017				<0.003	<0.003		
2/9/2017							<0.003
2/13/2017						<0.003	
4/3/2017	<0.003						
4/10/2017		<0.003	<0.003	<0.003	<0.003		
4/11/2017						<0.003	
4/12/2017							0.0001 (J)
6/12/2017	<0.003						
6/14/2017		<0.003	<0.003			<0.003	
6/15/2017				<0.003	<0.003		
6/16/2017							9E-05 (J)
10/2/2017	<0.003						
10/4/2017		<0.003	<0.003	<0.003	<0.003	<0.003	
10/9/2017							<0.003
3/16/2018	<0.003						
3/20/2018		0.00019 (J)					
3/21/2018			<0.003	<0.003			<0.003
3/22/2018					<0.003	<0.003	
9/18/2018	<0.003	5.4E-05 (J)	<0.003	<0.003	<0.003	<0.003	
9/19/2018							7E-05 (J)
3/19/2019	<0.003						
3/22/2019		0.00018 (J)	<0.003				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/23/2019				5.7E-05 (J)	<0.003	<0.003	6.1E-05 (J)
9/12/2019	<0.003						
9/17/2019		<0.003	<0.003	<0.003	<0.003	<0.003 (D)	
9/18/2019							7.4E-05 (J)
3/11/2020	<0.003						
3/12/2020		0.00017 (J)	<0.003	<0.003	<0.003	<0.003	
3/13/2020							8E-05 (J)
9/15/2020	8.5E-05 (J)						
9/17/2020		<0.003	<0.003				
9/21/2020				<0.003	<0.003	<0.003	
9/22/2020							<0.003
3/17/2021	<0.003						
3/18/2021		0.0001 (J)	<0.003				7E-05 (J)
3/19/2021				<0.003	<0.003	<0.003	
8/9/2021	<0.003						
8/10/2021		9.4E-05 (J)					
8/11/2021			<0.003	<0.003	<0.003	<0.003	7.4E-05 (J)
2/2/2022	5.5E-05 (J)					<0.003	
2/4/2022		0.00021 (J)	<0.003	<0.003	<0.003		
2/17/2022							8.9E-05 (J)
8/17/2022	<0.003	7E-05 (J)					
8/18/2022			<0.003	<0.003	<0.003	<0.003	<0.003
2/16/2023	<0.003						
2/20/2023		0.0003 (J)	<0.003	<0.003	<0.003		
2/21/2023						<0.003	
2/22/2023							<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/30/2014		<0.003	<0.003	<0.003			
10/1/2014	<0.003						
3/31/2015	<0.003						
4/3/2015		<0.003	<0.003	<0.003			
10/6/2015				<0.003			
10/7/2015		<0.003	<0.003				
10/14/2015	<0.003						
3/16/2016					<0.003	<0.003	<0.003
4/4/2016	<0.003						
4/5/2016		<0.003	<0.003	<0.003			
5/16/2016					<0.003	<0.003 (D)	<0.003 (D)
5/31/2016			<0.003	<0.003			
6/1/2016	<0.003 (D)	<0.003					
7/25/2016					<0.003	<0.003 (D)	<0.003 (D)
8/4/2016			<0.003				
8/9/2016		<0.003					
9/19/2016					<0.003	<0.003 (D)	<0.003 (D)
9/29/2016			<0.003				
11/3/2016					<0.003		<0.003 (D)
11/4/2016						<0.003 (D)	
11/23/2016			<0.003	<0.003			
11/28/2016		<0.003					
1/19/2017					<0.003		
1/20/2017							<0.003 (D)
1/23/2017						<0.003 (D)	
2/9/2017		0.0001 (J)					
2/10/2017			<0.003	<0.003			
2/22/2017	<0.003						
3/28/2017					8E-05 (J)		
3/29/2017						<0.003 (D)	<0.003 (D)
4/11/2017	<0.003	<0.003		<0.003			
4/12/2017			<0.003				
6/5/2017					9E-05 (J)		
6/7/2017						<0.003	<0.003
6/14/2017		<0.003					
6/15/2017			<0.003	<0.003			
6/16/2017	<0.003						
7/12/2017	<0.003	<0.003		<0.003			
7/26/2017				<0.003			
7/28/2017	<0.003						
8/10/2017	<0.003						
9/26/2017					<0.003		
9/27/2017						<0.003	<0.003
10/5/2017		<0.003					
10/6/2017	<0.003		<0.003	<0.003			
3/15/2018					7.7E-05 (J)	<0.003	<0.003
3/22/2018		0.00203 (JD)					
3/23/2018	<0.003		<0.003	<0.003			
9/12/2018					<0.003		
9/13/2018						<0.003	<0.003
9/19/2018		0.00014 (J)	<0.003	<0.003			
9/20/2018	<0.003						

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/14/2019					7.8E-05 (J)	<0.003 (D)	<0.003 (D)
3/22/2019	<0.003	9.4E-05 (J)		<0.003			
3/25/2019			<0.003				
9/11/2019					<0.003	<0.003 (D)	<0.003 (D)
9/17/2019		0.00013 (X)	<0.003	<0.003			
9/18/2019	<0.003						
3/10/2020					7.4E-05 (J)	<0.003	<0.003
3/13/2020		0.00016 (J)	<0.003	<0.003			
3/17/2020	<0.003						
9/11/2020						<0.003	5.6E-05 (J)
9/15/2020					5.7E-05 (J)		
9/21/2020		9.5E-05 (J)	<0.003	<0.003			
9/22/2020	<0.003						
3/11/2021					6.4E-05 (J)	<0.003	<0.003
3/18/2021		0.00012 (J)	<0.003	<0.003			
3/19/2021	<0.003						
8/4/2021					6.7E-05 (J)		
8/6/2021						<0.003	<0.003
8/11/2021		0.00011 (J)	<0.003	<0.003			
8/12/2021	<0.003						
1/31/2022					6.5E-05 (J)		
2/1/2022						<0.003	<0.003
2/4/2022	<0.003	0.00011 (J)	<0.003				
2/7/2022				<0.003			
8/12/2022						<0.003	<0.003
8/15/2022					5.7E-05 (J)		
8/18/2022		0.00011 (J)					
8/19/2022	<0.003		<0.003	<0.003			
2/14/2023					6.2E-05 (J)	<0.003	<0.003
2/22/2023	<0.003	9.4E-05 (J)	<0.003	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
10/3/2014							0.00073 (J)
3/31/2015							0.00057 (J)
10/12/2015							0.00054 (J)
3/10/2016	<0.003	<0.003	<0.003	<0.003			
3/17/2016					<0.003	<0.003	
3/28/2016							<0.003
5/17/2016	<0.003			<0.003			
5/18/2016		<0.003	<0.003		<0.003	<0.003	
5/25/2016							<0.003
7/26/2016	<0.003						
7/27/2016		<0.003	<0.003	0.0002 (J)	<0.003		
7/28/2016						<0.003	
8/1/2016							0.0006 (J)
9/20/2016	<0.003	<0.003	<0.003	0.0002 (J)			
9/21/2016					<0.003	<0.003	
9/27/2016							0.0007 (J)
11/4/2016	<0.003		<0.003	0.0002 (J)	<0.003		
11/7/2016		<0.003				<0.003	
11/11/2016							0.0007 (J)
1/20/2017	<0.003		<0.003				
1/23/2017		<0.003		<0.003			
1/24/2017					<0.003	<0.003	
1/31/2017							0.0007 (J)
3/28/2017	<0.003			0.0002 (J)			
3/29/2017		<0.003	<0.003		<0.003		
3/30/2017						<0.003	
4/3/2017							0.0007 (J)
6/7/2017	<0.003						
6/8/2017		<0.003	<0.003	0.0002 (J)	<0.003		
6/9/2017						<0.003	
6/12/2017							0.0004 (J)
9/27/2017		<0.003	<0.003				
9/29/2017	<0.003			0.0002 (J)	<0.003	<0.003	
10/3/2017							0.0006 (J)
3/15/2018	<0.003	<0.003		0.00025 (J)	<0.003	<0.003	
3/16/2018			<0.003				
3/19/2018							0.0005 (J)
9/13/2018	<0.003	<0.003	<0.003	0.00026 (J)	<0.003		
9/14/2018						<0.003	
9/17/2018							0.00053 (J)
3/15/2019		<0.003		0.00022 (J)			
3/18/2019	<0.003				<0.003		
3/19/2019			<0.003			<0.003	
3/20/2019							0.00046 (J)
9/11/2019	<0.003		<0.003	0.0003 (JD)	<0.003	<0.003	
9/12/2019		<0.003					
9/16/2019							0.00051 (J)
3/9/2020		<0.003	<0.003	0.00028 (J)		<0.003	
3/10/2020	<0.003						
3/11/2020					<0.003		
3/16/2020							0.00048 (J)
9/11/2020					<0.003		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/14/2020	<0.003	<0.003		0.00033 (J)		<0.003	
9/15/2020			<0.003				
9/16/2020							0.00069 (J)
3/11/2021	<0.003	<0.003	<0.003	0.00033 (J)			
3/15/2021					<0.003	<0.003	
3/17/2021							0.00061
8/4/2021				0.00031 (J)			
8/5/2021	<0.003	<0.003	<0.003			<0.003	
8/9/2021							0.00069
8/11/2021					<0.003		
1/31/2022	<0.003			0.00036 (J)			
2/1/2022		<0.003	<0.003		<0.003	<0.003	
2/2/2022							0.00075
4/28/2022							0.00078
8/15/2022	<0.003	<0.003	6.5E-05 (J)	0.00037 (J)	<0.003	<0.003	
8/16/2022							0.0006
2/14/2023	<0.003	<0.003	<0.003	0.00038 (J)	<0.003	<0.003	
2/20/2023							0.0006

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
9/30/2014						0.00013 (J)
10/2/2014				<0.003		
10/3/2014	0.00024 (J)					
4/1/2015	0.00021 (J)					
4/2/2015						0.00028 (J)
4/3/2015				<0.003		
5/26/2015		8.8E-05 (J)			<0.003	
6/18/2015		<0.003 (D)			0.0013 (D)	
7/2/2015		<0.003			<0.003	
10/8/2015				0.00025 (J)	<0.003	
10/9/2015	<0.003	<0.003				
10/10/2015						0.000245 (JD)
3/22/2016					<0.003	
3/29/2016	<0.003	<0.003				
3/30/2016				<0.003		<0.003
5/24/2016	<0.003	<0.003		<0.003		
5/25/2016					<0.003	
5/26/2016						<0.003
5/31/2016			<0.003			
8/1/2016	<0.003	<0.003				
8/2/2016			<0.003	<0.003	<0.003	
8/5/2016						<0.003
9/26/2016	<0.003	<0.003			<0.003	
9/27/2016			<0.003	<0.003		
9/28/2016						<0.003
11/14/2016		<0.003				
11/18/2016	<0.003					
11/21/2016			<0.003		<0.003	<0.003
11/22/2016				<0.003		
2/1/2017	<0.003	<0.003	<0.003			
2/3/2017					<0.003	
2/6/2017				<0.003		0.0002 (J)
4/6/2017	<0.003	<0.003	<0.003	<0.003		0.0002 (J)
4/7/2017					<0.003	
6/13/2017	<0.003	<0.003	<0.003		<0.003	0.0002 (J)
6/14/2017				<0.003		
7/14/2017			<0.003			
10/3/2017	<0.003	<0.003	<0.003		<0.003	0.0001 (J)
10/4/2017				<0.003		
3/19/2018	6.6E-05 (J)					
3/20/2018		6.8E-05 (J)	<0.003		<0.003	0.00022 (J)
3/21/2018				<0.003		
9/17/2018	<0.003	5.8E-05 (J)				
9/18/2018			<0.003	<0.003	<0.003	0.00014 (JD)
3/21/2019	<0.003	7.6E-05 (J)	<0.003			0.00015 (J)
3/27/2019				<0.003		
5/6/2019					0.0001 (J)	
9/13/2019			<0.003			
9/16/2019	<0.003	<0.003		<0.003 (D)	<0.003	0.0001 (J)
3/12/2020	<0.003	9.3E-05 (J)	<0.003	<0.003		0.00022 (J)
3/16/2020					<0.003	
9/16/2020	<0.003	6.7E-05 (J)	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
9/17/2020				<0.003	4.9E-05 (J)	4.8E-05 (J)
3/17/2021	<0.003	<0.003	<0.003	<0.003		
3/18/2021					8.5E-05 (J)	0.00016 (J)
8/10/2021	<0.003	6.1E-05 (J)	<0.003	<0.003	6.2E-05 (J)	0.00015 (J)
2/2/2022	<0.003	7E-05 (J)	<0.003	<0.003	6.4E-05 (J)	0.00018 (J)
8/17/2022	<0.003	9.8E-05 (J)	<0.003	<0.003	0.0001 (J)	0.00017 (J)
2/17/2023	<0.003	5.4E-05 (J)				
2/20/2023			<0.003		<0.003	
2/21/2023				<0.003		0.00017 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					<0.04		
3/15/2016							<0.04
3/22/2016	<0.04						
3/23/2016		<0.04	<0.04			<0.04	
5/11/2016					<0.04		<0.04
5/16/2016				<0.04 (D)			
5/19/2016	<0.04		<0.04				
5/20/2016		<0.04					
5/23/2016						<0.04	
7/19/2016					<0.04 (*)		
7/21/2016							<0.04
7/27/2016				<0.04 (*)			
7/29/2016	<0.04	<0.04	<0.04			<0.04	
9/15/2016					0.0067 (J)		<0.04
9/22/2016			<0.04			<0.04	
9/23/2016	<0.04	<0.04					
11/2/2016					<0.04		
11/3/2016							<0.04 (*)
11/9/2016	<0.04	<0.04					
11/10/2016			<0.04			<0.04	
1/17/2017							<0.04
1/18/2017					<0.04		
1/30/2017	<0.04						
1/31/2017		<0.04	<0.04			<0.04	
2/21/2017				0.0218 (JD)			
3/24/2017							<0.04
3/27/2017				0.0262 (JD)			
3/28/2017					<0.04		
3/30/2017	0.0065 (J)	<0.04				<0.04	
4/3/2017			<0.04				
5/24/2017							<0.04
6/7/2017					<0.04 (*)		
6/8/2017				0.0067 (JD)			
6/9/2017	<0.04		<0.04				
6/12/2017		<0.04				<0.04	
7/17/2017				0.0165 (JD)			
7/27/2017				0.0138 (JD)			
8/9/2017				0.0069 (JD)			
9/26/2017					<0.04		0.0075 (J)
9/29/2017				0.0066 (JD)			
10/2/2017	<0.04	<0.04	<0.04				
10/4/2017						<0.04	
3/14/2018					<0.04		0.0093 (J)
3/16/2018	<0.04		0.0077 (J)	0.0067 (J)			
3/19/2018		0.013 (J)				0.0057 (J)	
9/12/2018					<0.04		<0.04
9/14/2018		<0.04	<0.04	0.0059 (J)			
9/17/2018	0.00625 (JD)					<0.04	
3/13/2019							<0.04
3/14/2019				0.0059 (X)			
3/15/2019					0.005 (X)		
3/19/2019			0.014 (J)				

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/20/2019	0.0042 (J)	<0.04				<0.04	
9/9/2019					<0.04		<0.04
9/10/2019				0.0081 (X)			
9/12/2019	<0.04	<0.04 (D)					
9/13/2019			0.012 (J)			<0.04	
3/9/2020				0.0065 (J)	<0.04		0.0074 (J)
3/11/2020	<0.04	0.0068 (J)	0.017 (J)			0.0071 (J)	
9/10/2020					<0.04		
9/11/2020							<0.04
9/15/2020	0.01 (J)	0.0053 (J)	0.0074 (J)				
9/16/2020				0.015 (J)			
3/10/2021							<0.04
3/12/2021					0.011 (J)		
3/16/2021	<0.04		0.0061 (J)	<0.04			
3/17/2021		<0.04					
3/29/2021						<0.04	
8/4/2021					<0.04		<0.04
8/6/2021				<0.04			
8/9/2021	<0.04	<0.04	0.012 (J)			<0.04	
1/31/2022					<0.04		<0.04
2/1/2022	<0.04	<0.04	<0.04				
2/2/2022				<0.04		<0.04	
8/10/2022					<0.04		
8/12/2022							<0.04
8/16/2022	<0.04	<0.04	<0.04	<0.04		<0.04	
2/13/2023					<0.04		<0.04
2/14/2023				<0.04			
2/16/2023	<0.04	<0.04	0.017 (J)				
2/17/2023						<0.04	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			<0.04	<0.04	<0.04		
3/15/2016	<0.04	<0.04					
3/28/2016							<0.04
5/12/2016	<0.04						
5/13/2016		<0.04		<0.04	<0.04		
5/16/2016			<0.04				
5/23/2016							<0.04
7/19/2016				<0.04 (*)	<0.04 (*)		
7/20/2016	<0.04						
7/21/2016		<0.04 (*)					
7/22/2016			0.0076 (J)				
8/1/2016							<0.04
9/15/2016	<0.04						
9/16/2016				<0.04	0.0246 (J)		
9/19/2016			<0.04				
9/21/2016		<0.04 (*)					
9/26/2016							<0.04
11/2/2016				<0.04	0.0279 (J)		
11/3/2016	<0.04	<0.04	<0.04				
11/10/2016							<0.04
1/17/2017		<0.04	<0.04				
1/18/2017	<0.04			<0.04	0.0336 (J)		
1/30/2017							<0.04
2/22/2017						0.022 (JD)	
3/24/2017	0.0154 (J)						
3/27/2017		0.0173 (J)	0.0101 (J)				
3/28/2017				<0.04	0.0313 (J)		
4/7/2017						0.0082 (JD)	0.008 (J)
6/6/2017	<0.04	<0.04 (*)		<0.04 (*)	<0.04 (*)		
6/7/2017			<0.04 (*)				
6/12/2017							<0.04
6/14/2017						0.008 (JD)	
7/12/2017						0.0082 (JD)	
7/20/2017						0.0091 (JD)	
7/28/2017						<0.04 (D)	
8/9/2017						0.0071 (JD)	
8/24/2017						0.0062 (JD)	
9/22/2017				<0.04	0.0294 (J)		
9/25/2017	<0.04	0.0141 (J)					
9/26/2017			<0.04				
10/2/2017							<0.04
10/3/2017						0.006 (JD)	
3/14/2018	0.011 (J)	0.014 (J)	<0.04	<0.04			
3/15/2018					0.018 (J)		
3/16/2018							<0.04
3/21/2018						0.0062 (J)	
9/12/2018	<0.04	0.013 (J)		<0.04	0.018 (J)		
9/14/2018			<0.04				
9/17/2018							<0.04
9/18/2018						0.0096 (J)	
3/13/2019				<0.04	0.012 (X)		
3/14/2019	0.007 (X)	0.015 (X)	<0.04				

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							<0.04
3/21/2019						0.0066 (JD)	
9/10/2019	<0.04	0.015 (X)	<0.04				
9/11/2019				0.0059 (X)	0.021 (X)		
9/12/2019						0.012 (JD)	
9/13/2019							<0.04
3/6/2020	0.013 (J)		0.0068 (J)				
3/9/2020		0.021 (J)		<0.04	0.017 (J)		
3/11/2020							0.0063 (J)
3/12/2020						0.014 (J)	
9/10/2020	<0.04	0.016 (J)	<0.04				
9/11/2020				<0.04			
9/14/2020					0.018 (J)		
9/16/2020							<0.04
9/17/2020						0.015 (J)	
3/10/2021		0.0098 (J)					
3/11/2021	0.0075 (J)		<0.04	<0.04	0.017 (J)		
3/16/2021						0.0092 (J)	
3/17/2021							<0.04
8/4/2021	<0.04	0.01 (J)	<0.04				
8/5/2021					0.0098 (J)		
8/6/2021				<0.04			
8/9/2021							<0.04
8/10/2021						0.01 (J)	
1/31/2022	<0.04	0.016 (J)	<0.04	<0.04	0.011 (J)		
2/1/2022							<0.04
2/3/2022						<0.04	
8/10/2022			<0.04		0.01 (J)		
8/11/2022	<0.04	<0.04		<0.04			
8/16/2022							<0.04
8/17/2022						<0.04	
2/13/2023	<0.04	0.017 (J)	<0.04		<0.04		
2/14/2023				<0.04			
2/16/2023							<0.04
2/17/2023						<0.04	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	<0.04						
3/31/2016		<0.04	<0.04				
4/4/2016				<0.04	<0.04	<0.04	<0.04
5/25/2016	<0.04						
5/26/2016		<0.04	<0.04	<0.04	<0.04		
5/27/2016						<0.04	
5/31/2016							<0.04
8/1/2016	<0.04						
8/3/2016			<0.04	<0.04		<0.04	
8/4/2016					<0.04		<0.04
8/5/2016		<0.04					
9/26/2016	<0.04						
9/28/2016		<0.04	0.0169 (J)	<0.04	<0.04		
9/29/2016							0.0192 (J)
9/30/2016						<0.04	
11/11/2016	0.0193 (J)						
11/22/2016		<0.04	0.0067 (J)	<0.04	0.0072 (J)	<0.04	
11/28/2016							0.0124 (J)
1/30/2017	<0.04						
2/7/2017		<0.04	<0.04				
2/8/2017				0.0085 (J)	0.0069 (J)		
2/9/2017							0.0157 (J)
2/13/2017						<0.04	
4/3/2017	<0.04						
4/10/2017		<0.04	<0.04	<0.04	<0.04		
4/11/2017						<0.04	
4/12/2017							0.0183 (J)
6/12/2017	<0.04						
6/14/2017		<0.04	<0.04			<0.04	
6/15/2017				<0.04	<0.04		
6/16/2017							0.0269 (J)
10/2/2017	<0.04						
10/4/2017		<0.04	<0.04	<0.04	0.0065 (J)	<0.04	
10/9/2017							0.0383 (J)
3/16/2018	<0.04						
3/20/2018		0.004 (J)					
3/21/2018			<0.04	<0.04			0.021 (J)
3/22/2018					<0.04	<0.04	
9/18/2018	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
9/19/2018							0.026 (J)
3/19/2019	<0.04						
3/22/2019		<0.04	<0.04				
3/23/2019				<0.04	<0.04	<0.04	0.012 (J)
9/12/2019	<0.04						
9/17/2019		<0.04	<0.04	<0.04	<0.04	<0.04 (D)	
9/18/2019							0.017 (J)
3/11/2020	0.007 (J)						
3/12/2020		<0.04	0.005 (J)	<0.04	0.0058 (J)	<0.04	
3/13/2020							0.014 (J)
9/15/2020	<0.04						
9/17/2020		<0.04	<0.04				
9/21/2020				<0.04	<0.04	<0.04	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							0.0087 (J)
3/17/2021	<0.04						
3/18/2021		<0.04	<0.04				0.0091 (J)
3/19/2021				<0.04	<0.04	<0.04	
8/9/2021	<0.04						
8/10/2021		<0.04					
8/11/2021			<0.04	<0.04	<0.04	<0.04	<0.04
2/2/2022	<0.04					<0.04	
2/4/2022		<0.04	<0.04	<0.04	<0.04		
2/17/2022							0.015 (J)
8/17/2022	<0.04	<0.04					
8/18/2022			<0.04	<0.04	<0.04	<0.04	<0.04
2/16/2023	<0.04						
2/20/2023		<0.04	<0.04	<0.04	<0.04		
2/21/2023						<0.04	
2/22/2023							<0.04

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					<0.04	<0.04	<0.04
4/4/2016	<0.04						
4/5/2016		<0.04	<0.04	<0.04			
5/16/2016					<0.04	<0.04 (D)	<0.04 (D)
5/31/2016			<0.04	<0.04			
6/1/2016	<0.04	<0.04					
7/25/2016					<0.04	<0.04 (D)	0.0054 (JD)
8/4/2016			<0.04				
8/9/2016		0.0996 (O)					
9/19/2016					<0.04	<0.04 (D)	<0.04 (D)
9/29/2016			0.0106 (J)				
11/3/2016					<0.04		<0.04 (D)
11/4/2016						<0.04 (D)	
11/23/2016			0.0099 (J)	0.0076 (J)			
11/28/2016		0.0072 (J)					
1/19/2017					<0.04		
1/20/2017							<0.04 (D)
1/23/2017						0.0086 (JD)	
2/9/2017		<0.04					
2/10/2017			<0.04	<0.04			
2/22/2017	0.02 (J)						
3/28/2017					0.0113 (J)		
3/29/2017						<0.04 (D)	<0.04 (D)
4/11/2017	<0.04	<0.04		<0.04			
4/12/2017			0.009 (J)				
6/5/2017					<0.04 (*)		
6/7/2017						<0.04 (*)	<0.04 (*)
6/14/2017		<0.04					
6/15/2017			<0.04	<0.04			
6/16/2017	0.0163 (J)						
7/12/2017	0.0117 (J)	<0.04		<0.04			
7/26/2017				<0.04			
7/28/2017	0.0071 (J)						
8/10/2017	0.0093 (J)						
9/26/2017					0.0084 (J)		
9/27/2017						<0.04	<0.04
10/5/2017		0.0068 (J)					
10/6/2017	0.0148 (J)		<0.04	0.0071 (J)			
3/15/2018					0.014 (J)	0.0077 (J)	0.0063 (J)
3/22/2018		<0.04					
3/23/2018	0.017 (J)		0.0053 (J)	0.0092 (J)			
9/12/2018					0.0051 (J)		
9/13/2018						<0.04	<0.04
9/19/2018		<0.04	0.0049 (J)	0.0046 (J)			
9/20/2018	0.016 (J)						
3/14/2019					0.018 (X)	<0.04 (D)	0.006 (JXD)
3/22/2019	0.013 (J)	<0.04		<0.04			
3/25/2019			<0.04				
9/11/2019					0.0088 (X)	<0.04 (D)	<0.04 (D)
9/17/2019		<0.04	<0.04	<0.04			
9/18/2019	0.014 (X)						
3/10/2020					0.019 (J)	<0.04	0.009 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/13/2020		0.0081 (J)	0.0064 (J)	0.0054 (J)			
3/17/2020	0.017 (J)						
9/11/2020						<0.04	0.0056 (J)
9/15/2020					0.0089 (J)		
9/21/2020		<0.04	0.0075 (J)	<0.04			
9/22/2020	0.01 (J)						
3/11/2021					0.016 (J)	<0.04	0.006 (J)
3/18/2021		<0.04	<0.04	<0.04			
3/19/2021	0.014 (J)						
8/4/2021					0.016 (J)		
8/6/2021						<0.04	<0.04
8/11/2021		<0.04	<0.04	<0.04			
8/12/2021	0.014 (J)						
1/31/2022					0.015 (J)		
2/1/2022						0.019 (J)	0.022 (J)
2/4/2022	0.017 (J)	<0.04	<0.04				
2/7/2022				<0.04			
8/12/2022						<0.04	<0.04
8/15/2022					0.011 (J)		
8/18/2022		<0.04					
8/19/2022	0.015 (J)		<0.04	<0.04			
2/14/2023					0.014 (J)	<0.04	0.012 (J)
2/22/2023	0.013 (J)	<0.04	<0.04	<0.04			

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	<0.04	<0.04	<0.04	<0.04			
3/17/2016					<0.04	<0.04	
3/28/2016							<0.04
5/17/2016	<0.04			<0.04			
5/18/2016		<0.04	<0.04		<0.04	<0.04	
5/25/2016							<0.04
7/26/2016	0.0047 (J)						
7/27/2016		<0.04 (*)	<0.04	<0.04 (*)	<0.04 (*)		
7/28/2016						<0.04 (*)	
8/1/2016							<0.04
9/20/2016	0.0254 (J)	0.0133 (J)	0.0109 (J)	0.0078 (J)			
9/21/2016					<0.04 (*)	<0.04 (*)	
9/27/2016							<0.04
11/4/2016	<0.04		<0.04	<0.04	<0.04		
11/7/2016		0.0079 (J)				0.0138 (J)	
11/11/2016							0.0083 (J)
1/20/2017	<0.04		<0.04				
1/23/2017		<0.04		<0.04			
1/24/2017					<0.04	<0.04	
1/31/2017							<0.04
3/28/2017	<0.04			<0.04			
3/29/2017		<0.04	<0.04		<0.04		
3/30/2017						0.0077 (J)	
4/3/2017							<0.04
6/7/2017	<0.04 (*)						
6/8/2017		<0.04	<0.04	<0.04	<0.04		
6/9/2017						<0.04	
6/12/2017							<0.04
9/27/2017		<0.04	<0.04				
9/29/2017	<0.04			<0.04	<0.04	<0.04	
10/3/2017							<0.04
3/15/2018	0.0042 (J)	<0.04		<0.04	<0.04	0.0052 (J)	
3/16/2018			<0.04				
3/19/2018							0.0041 (J)
9/13/2018	<0.04	<0.04	<0.04	<0.04	<0.04		
9/14/2018						<0.04	
9/17/2018							<0.04
3/15/2019		<0.04		<0.04			
3/18/2019	0.022 (X)				0.0099 (X)		
3/19/2019			<0.04			0.0043 (X)	
3/20/2019							<0.04
9/11/2019	<0.04		0.0054 (X)	<0.04	<0.04	<0.04	
9/12/2019		<0.04					
9/16/2019							0.0051 (J)
3/9/2020		<0.04	0.0051 (J)	<0.04		0.0055 (J)	
3/10/2020	<0.04						
3/11/2020					<0.04		
3/16/2020							<0.04
9/11/2020					0.0057 (J)		
9/14/2020	<0.04	<0.04		<0.04		<0.04	
9/15/2020			<0.04				
9/16/2020							<0.04

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	<0.04	<0.04	<0.04	<0.04			
3/15/2021					0.01 (J)	0.0066 (J)	
3/17/2021							<0.04
8/4/2021				<0.04			
8/5/2021	<0.04	<0.04	<0.04			<0.04	
8/9/2021							<0.04
8/11/2021					<0.04		
1/31/2022	<0.04			<0.04			
2/1/2022		0.011 (J)	0.01 (J)		<0.04	0.0087 (J)	
2/2/2022							<0.04
8/15/2022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
8/16/2022							<0.04
2/14/2023	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
2/20/2023							<0.04

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					<0.04	
3/29/2016	<0.04	<0.04				
3/30/2016				<0.04		<0.04
5/24/2016	<0.04	<0.04		<0.04		
5/25/2016					<0.04	
5/26/2016						<0.04
5/31/2016			<0.04			
8/1/2016	<0.04	<0.04				
8/2/2016			<0.04	<0.04	<0.04	
8/5/2016						<0.04
9/26/2016	<0.04	<0.04			<0.04	
9/27/2016			0.0073 (J)	<0.04		
9/28/2016						<0.04
11/14/2016		<0.04				
11/18/2016	<0.04					
11/21/2016			0.008 (J)		<0.04	<0.04
11/22/2016				0.0115 (J)		
2/1/2017	<0.04	<0.04	<0.04			
2/3/2017					<0.04	
2/6/2017				<0.04		<0.04
4/6/2017	<0.04	<0.04	<0.04	<0.04		<0.04
4/7/2017					<0.04	
6/13/2017	<0.04	<0.04	<0.04		<0.04	<0.04
6/14/2017				<0.04		
7/14/2017			0.007 (J)			
10/3/2017	<0.04	<0.04	<0.04		<0.04	<0.04
10/4/2017				<0.04		
3/19/2018	<0.04					
3/20/2018		0.0073 (J)	0.0064 (J)		<0.04	0.0096 (J)
3/21/2018				<0.04		
9/17/2018	<0.04	0.0046 (J)				
9/18/2018			0.0045 (J)	<0.04	<0.04	<0.04 (D)
3/21/2019	<0.04	<0.04	<0.04			0.006 (J)
3/27/2019				0.0078 (J)		
5/6/2019					0.0065 (J)	
9/13/2019			0.0065 (J)			
9/16/2019	<0.04	<0.04		<0.04 (D)	<0.04	<0.04
3/12/2020	0.0061 (J)	0.0052 (J)	0.0057 (J)	<0.04		0.0058 (J)
3/16/2020					<0.04	
9/16/2020	<0.04	<0.04	0.0052 (J)			
9/17/2020				<0.04	<0.04	<0.04
3/17/2021	<0.04	<0.04	<0.04	<0.04		
3/18/2021					<0.04	<0.04
8/10/2021	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
2/2/2022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
8/17/2022	<0.04	<0.04	0.011 (J)	<0.04	0.012 (J)	<0.04
2/17/2023	<0.04	<0.04				
2/20/2023			<0.04		<0.04	
2/21/2023				<0.04		<0.04

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005	
10/23/2007	<0.0005						
10/24/2007		<0.0005	<0.0005				
11/2/2007						<0.0005	
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005	
1/30/2008	<0.0005						
1/31/2008		<0.0005	<0.0005			<0.0005	
3/10/2008	<0.0005		<0.0005				
3/11/2008		<0.0005				<0.0005	
5/6/2008		<0.0005					
5/13/2008	<0.0005		<0.0005				
5/14/2008						<0.0005	
12/4/2008		<0.0005	<0.0005				
12/5/2008	<0.0005					<0.0005	
4/15/2009	<0.0005					<0.0005	
4/21/2009		<0.0005	<0.0005				
10/7/2009	<0.0005	<0.0005					
10/8/2009			<0.0005			<0.0005	
4/21/2010			<0.0005				
4/26/2010		<0.0005					
4/28/2010						<0.0005	
5/3/2010	<0.0005						
9/28/2010			<0.0005				
10/4/2010		<0.0005					
10/6/2010						<0.0005	
10/12/2010	<0.0005						
4/12/2011			<0.0005				
4/13/2011		<0.0005					
4/21/2011						<0.0005	
4/27/2011	<0.0005						
10/4/2011			<0.0005				
10/5/2011		<0.0005					
10/13/2011						<0.0005	
10/17/2011	<0.0005						
4/3/2012			<0.0005				
4/11/2012		<0.0005					
5/1/2012						<0.0005	
5/2/2012	<0.0005						
10/8/2012	<0.0005						
10/9/2012		<0.0005	<0.0005			<0.0005	
4/11/2013			<0.0005			<0.0005	
4/12/2013	<0.0005						
4/15/2013		<0.0005					
10/15/2013		<0.0005					
10/16/2013	<0.0005		<0.0005			<0.0005	
4/10/2014			<0.0005				
4/11/2014	<0.0005						
4/22/2014		<0.0005					
4/23/2014						<0.0005	
9/30/2014	<0.0005	<0.0005	<0.0005				
10/4/2014						<0.0005	
3/30/2015	<0.0005	<0.0005	<0.0005				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.0005	
10/12/2015						<0.0005	
10/13/2015	0.0003 (J)	<0.0005	<0.0005				
3/14/2016					0.000188 (J)		
3/15/2016							<0.0005
3/22/2016	<0.0005						
3/23/2016		<0.0005	<0.0005			<0.0005	
5/11/2016					0.000177 (J)		<0.0005
5/16/2016				<0.0005 (D)			
5/19/2016	<0.0005		<0.0005				
5/20/2016		<0.0005					
5/23/2016						<0.0005	
7/19/2016					0.0001 (J)		
7/21/2016							<0.0005
7/27/2016				0.0001 (JD)			
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005	
9/15/2016					8E-05 (J)		<0.0005
9/22/2016			<0.0005			<0.0005	
9/23/2016	<0.0005	<0.0005					
11/2/2016					<0.0005		
11/3/2016							<0.0005
11/9/2016	<0.0005	<0.0005					
11/10/2016			<0.0005			<0.0005	
1/17/2017							<0.0005
1/18/2017					<0.0005		
1/30/2017	<0.0005						
1/31/2017		<0.0005	<0.0005			<0.0005	
2/21/2017				<0.0005			
3/24/2017							<0.0005
3/27/2017				<0.0005 (D)			
3/28/2017					<0.0005		
3/30/2017	<0.0005	<0.0005				<0.0005	
4/3/2017			<0.0005				
5/24/2017							<0.0005
6/7/2017					<0.0005		
6/8/2017				<0.0005 (D)			
6/9/2017	<0.0005		<0.0005				
6/12/2017		<0.0005				<0.0005	
7/17/2017				<0.0005 (D)			
7/27/2017				<0.0005			
8/9/2017				<0.0005			
9/26/2017					<0.0005		<0.0005
9/29/2017				<0.0005 (D)			
10/2/2017	<0.0005	<0.0005	<0.0005				
10/4/2017						<0.0005	
3/14/2018					<0.0005		<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005			
3/19/2018		<0.0005				<0.0005	
9/12/2018					<0.0005		<0.0005
9/14/2018		<0.0005	<0.0005	<0.0005			
9/17/2018	0.00076 (JD)					<0.0005	
3/13/2019							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.0005			
3/15/2019					<0.0005		
3/19/2019			<0.0005				
3/20/2019	<0.0005	<0.0005				<0.0005	
9/9/2019					<0.0005		<0.0005
9/12/2019	<0.0005	<0.0005 (D)					
9/13/2019			<0.0005			<0.0005	
3/9/2020				<0.0005	<0.0005		<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005	
9/10/2020					<0.0005		
9/11/2020							<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005				
9/16/2020				<0.0005			
3/10/2021							<0.0005
3/12/2021					<0.0005		
3/16/2021	<0.0005		<0.0005	<0.0005			
3/17/2021		<0.0005					
3/29/2021						<0.0005	
8/4/2021					<0.0005		<0.0005
8/6/2021				<0.0005			
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005	
1/31/2022					<0.0005		<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005				
2/2/2022				<0.0005		<0.0005	
8/10/2022					<0.0005		
8/12/2022							<0.0005
8/16/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
2/13/2023					<0.0005		<0.0005
2/14/2023				<0.0005			
2/16/2023	<0.0005	<0.0005	<0.0005				
2/17/2023						<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.0005
4/23/2009							<0.0005
10/6/2009							<0.0005
4/27/2010							<0.0005
9/30/2010							<0.0005
4/14/2011							<0.0005
10/5/2011							<0.0005
4/11/2012							<0.0005
10/2/2012							<0.0005
4/9/2013							<0.0005
10/15/2013							<0.0005
4/10/2014							<0.0005
10/1/2014							<0.0005
3/30/2015							<0.0005
10/11/2015							0.00026 (J)
3/11/2016			0.000121 (J)	<0.0005	<0.0005		
3/15/2016	<0.0005	<0.0005					
3/28/2016							<0.0005
5/12/2016	<0.0005						
5/13/2016		<0.0005		<0.0005	<0.0005		
5/16/2016			0.000145 (J)				
5/23/2016							<0.0005
7/19/2016				<0.0005	<0.0005		
7/20/2016	<0.0005						
7/21/2016		<0.0005					
7/22/2016			<0.0005				
8/1/2016							<0.0005
9/15/2016	<0.0005						
9/16/2016				<0.0005	<0.0005		
9/19/2016			0.0001 (J)				
9/21/2016		<0.0005					
9/26/2016							<0.0005
11/2/2016				<0.0005	<0.0005		
11/3/2016	<0.0005	<0.0005	8E-05 (J)				
11/10/2016							<0.0005
1/17/2017		<0.0005	0.0001 (J)				
1/18/2017	<0.0005			<0.0005	<0.0005		
1/30/2017							<0.0005
2/22/2017						<0.0005	
3/24/2017	<0.0005						
3/27/2017		<0.0005	0.0002 (J)				
3/28/2017				<0.0005	<0.0005		
4/7/2017						<0.0005	<0.0005
6/6/2017	<0.0005	<0.0005		8E-05 (J)	<0.0005		
6/7/2017			0.0001 (J)				
6/12/2017							<0.0005
6/14/2017						<0.0005 (D)	
7/12/2017						<0.0005 (D)	
7/20/2017						<0.0005 (D)	
7/28/2017						<0.0005	
8/9/2017						<0.0005	
8/24/2017						<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.0005	<0.0005		
9/25/2017	<0.0005	<0.0005					
9/26/2017			<0.0005				
10/2/2017							<0.0005
10/3/2017						<0.0005 (D)	
3/14/2018	<0.0005	<0.0005	0.00011 (J)	<0.0005			
3/15/2018					<0.0005		
3/16/2018							<0.0005
3/21/2018						<0.0005	
9/12/2018	<0.0005	<0.0005		<0.0005	<0.0005		
9/14/2018			0.00013 (J)				
9/17/2018							<0.0005
9/18/2018						<0.0005	
3/13/2019				<0.0005	<0.0005		
3/14/2019	<0.0005	<0.0005	0.00013 (J)				
3/19/2019							<0.0005
3/21/2019						<0.0005 (D)	
9/10/2019	<0.0005 (D)	<0.0005	0.00014 (J)				
9/11/2019				<0.0005	<0.0005		
9/12/2019						<0.0005 (D)	
9/13/2019							<0.0005
3/6/2020	<0.0005		0.00014 (J)				
3/9/2020		<0.0005		<0.0005	<0.0005		
3/11/2020							<0.0005
3/12/2020						<0.0005	
9/10/2020	<0.0005	<0.0005	0.00015 (J)				
9/11/2020				<0.0005			
9/14/2020					<0.0005		
9/16/2020							<0.0005
9/17/2020						<0.0005	
3/10/2021		<0.0005					
3/11/2021	<0.0005		0.00017 (J)	<0.0005	<0.0005		
3/16/2021						<0.0005	
3/17/2021							0.00012 (J)
8/4/2021	<0.0005	<0.0005	0.00014 (J)				
8/5/2021					<0.0005		
8/6/2021				<0.0005			
8/9/2021							<0.0005
8/10/2021						<0.0005	
1/31/2022	<0.0005	<0.0005	0.00018 (J)	<0.0005	<0.0005		
2/1/2022							<0.0005
2/3/2022						<0.0005	
8/10/2022			0.00034 (J)		<0.0005		
8/11/2022	<0.0005	<0.0005		<0.0005			
8/16/2022							<0.0005
8/17/2022						<0.0005	
2/13/2023	<0.0005	<0.0005	<0.0005		<0.0005		
2/14/2023				<0.0005			
2/16/2023							<0.0005
2/17/2023						<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005
11/1/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005
11/18/2007				<0.0005	<0.0005		
11/19/2007						<0.001	<0.0005
11/20/2007		<0.0005	<0.0005				
1/16/2008						<0.001	
1/30/2008		<0.0005	<0.0005	<0.0005	<0.0005		
1/31/2008							<0.0005
3/5/2008				<0.0005		<0.001	<0.0005
3/6/2008		<0.0005	<0.0005		<0.0005		
5/7/2008				<0.0005	<0.0005		
5/8/2008			<0.0005				
5/12/2008		<0.0005					<0.0005
5/13/2008						<0.001	
12/12/2008	<0.0005						
12/13/2008		<0.0005				<0.001	<0.0005
12/14/2008			<0.0005	<0.0005	<0.0005		
4/16/2009						<0.001	
4/23/2009	<0.0005						
4/28/2009							<0.0005
4/29/2009		<0.0005	<0.0005	<0.0005	<0.0005		
10/6/2009	<0.0005						
10/20/2009		<0.0005					
10/21/2009			<0.0005			<0.001	<0.0005
10/22/2009				<0.0005	<0.0005		
4/21/2010			<0.0005	<0.0005	<0.0005		
4/26/2010		<0.0005					
4/27/2010						<0.001	
4/28/2010							<0.0005
5/3/2010	<0.0005						
9/28/2010			<0.0005	<0.0005			
9/29/2010		<0.0005			<0.0005		
10/5/2010						<0.001	<0.0005
10/11/2010	<0.0005						
4/12/2011			<0.0005	<0.0005			
4/13/2011		<0.0005			<0.0005		
4/19/2011						<0.001	<0.0005
4/27/2011	<0.0005						
10/4/2011			<0.0005	<0.0005	<0.0005		
10/5/2011		<0.0005					
10/12/2011						<0.001	
10/18/2011							<0.0005
10/19/2011	<0.0005						
4/3/2012			<0.0005	<0.0005			
4/4/2012		<0.0005			<0.0005		
4/24/2012						<0.001	
4/25/2012							<0.0005
5/1/2012	<0.0005						
10/2/2012	<0.0005					<0.001	<0.0005
10/3/2012		<0.0005		<0.0005	<0.0005		
10/8/2012			<0.0005				
4/2/2013						<0.001	<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.0005	<0.0005	<0.0005	<0.0005		
4/10/2013	<0.0005						
10/8/2013							<0.0005
10/9/2013				<0.0005	<0.0005	<0.001	
10/15/2013		<0.0005	<0.0005				
10/16/2013	<0.0005						
4/1/2014						<0.001	<0.0005
4/2/2014				<0.0005	<0.0005		
4/9/2014		<0.0005	<0.0005				
4/22/2014	<0.0005						
10/1/2014	<0.0005						<0.0005
10/2/2014		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	
3/30/2015	<0.0005						
4/1/2015				<0.0005	0.00033 (J)	<0.001	<0.0005
4/2/2015		<0.0005	<0.0005				
10/10/2015		<0.0005					
10/11/2015	<0.0005			<0.0005	0.00056 (J)		
10/12/2015			<0.0005				
10/14/2015						0.00025 (J)	
10/15/2015							<0.0005
3/28/2016	<0.0005						
3/31/2016		<0.0005	<0.0005				
4/4/2016				<0.0005	<0.0005	0.000136 (J)	<0.0005
5/25/2016	<0.0005						
5/26/2016		<0.0005	<0.0005	<0.0005	<0.0005		
5/27/2016						0.000131 (J)	
5/31/2016							<0.0005
8/1/2016	<0.0005						
8/3/2016			<0.0005	<0.0005		<0.001	
8/4/2016					<0.0005		<0.0005
8/5/2016		<0.0005					
9/26/2016	<0.0005						
9/28/2016		<0.0005	0.0002 (J)	<0.0005	<0.0005		
9/29/2016							<0.0005
9/30/2016						9E-05 (J)	
11/11/2016	<0.0005						
11/22/2016		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	
11/28/2016							<0.0005
1/30/2017	<0.0005						
2/7/2017		<0.0005	<0.0005				
2/8/2017				<0.0005	<0.0005		
2/9/2017							<0.0005
2/13/2017						0.0001 (J)	
4/3/2017	<0.0005						
4/10/2017		<0.0005	<0.0005	<0.0005	<0.0005		
4/11/2017						0.0003 (J)	
4/12/2017							<0.0005
6/12/2017	<0.0005						
6/14/2017		<0.0005	<0.0005			0.0003 (J)	
6/15/2017				<0.0005	<0.0005		
6/16/2017							<0.0005
10/2/2017	<0.0005						

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.0005	<0.0005	<0.0005	<0.0005	0.0002 (J)	
10/9/2017							<0.0005
3/16/2018	<0.0005						
3/20/2018		<0.0005					
3/21/2018			<0.0005	<0.0005			<0.0005
3/22/2018					<0.0005	0.00032 (J)	
9/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00057 (J)	
9/19/2018							<0.0005
3/19/2019	<0.0005						
3/22/2019		<0.0005	<0.0005				
3/23/2019				<0.0005	<0.0005	0.00035 (J)	<0.0005
9/12/2019	<0.0005						
9/17/2019		<0.0005	<0.0005	<0.0005	<0.0005	0.000575 (JD)	
9/18/2019							<0.0005
3/11/2020	<0.0005						
3/12/2020		<0.0005	<0.0005	<0.0005	<0.0005	0.00089 (J)	
3/13/2020							<0.0005
9/15/2020	<0.0005						
9/17/2020		<0.0005	<0.0005				
9/21/2020				<0.0005	<0.0005	0.00025 (J)	
9/22/2020							<0.0005
3/17/2021	<0.0005						
3/18/2021		<0.0005	<0.0005				<0.0005
3/19/2021				<0.0005	<0.0005	0.00027 (J)	
8/9/2021	<0.0005						
8/10/2021		<0.0005					
8/11/2021			<0.0005	<0.0005	<0.0005	0.00048 (J)	<0.0005
2/2/2022	<0.0005					0.0012	
2/4/2022		<0.0005	<0.0005	<0.0005	<0.0005		
2/17/2022							<0.0005
4/28/2022						0.00067	
8/17/2022	<0.0005	0.00018 (J)					
8/18/2022			<0.0005	<0.0005	<0.0005	0.00052	<0.0005
2/16/2023	<0.0005						
2/20/2023		<0.0005	<0.0005	<0.0005	<0.0005		
2/21/2023						0.0004 (J)	
2/22/2023							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.0005						
8/23/2007			<0.0005				
8/24/2007		<0.0005		<0.0005			
11/1/2007	<0.0005						
11/2/2007		<0.0005	<0.0005	<0.0005			
11/17/2007		<0.0005	<0.0005				
11/18/2007				<0.0005			
11/19/2007	<0.0005						
1/15/2008		<0.0005	<0.0005	<0.0005			
1/31/2008	<0.0005						
3/5/2008	<0.0005	<0.0005					
3/6/2008			<0.0005				
3/10/2008				<0.0005			
5/7/2008	<0.0005	<0.0005	<0.0005				
5/13/2008				<0.0005			
12/2/2008		<0.0005	<0.0005	<0.0005			
12/12/2008	<0.0005						
4/16/2009		<0.0005					
4/28/2009			<0.0005	<0.0005			
4/29/2009	<0.0005						
10/19/2009			<0.0005				
10/20/2009		<0.0005		<0.0005			
10/21/2009	<0.0005						
4/20/2010		<0.0005					
4/27/2010			<0.0005	<0.0005			
4/28/2010	<0.0005						
9/29/2010		<0.0005					
10/4/2010			<0.0005				
10/5/2010				<0.0005			
10/6/2010	<0.0005						
4/12/2011		<0.0005					
4/18/2011			<0.0005				
4/19/2011				<0.0005			
4/20/2011	<0.0005						
10/4/2011		<0.0005					
10/12/2011	<0.0005		<0.0005	<0.0005			
4/4/2012		<0.0005					
4/23/2012			<0.0005				
4/25/2012	<0.0005			<0.0005			
10/2/2012	<0.0005						
10/10/2012		<0.0005	<0.0005	<0.0005			
4/2/2013	<0.0005						
4/15/2013		<0.0005	<0.0005				
4/16/2013				<0.0005			
10/8/2013	<0.0005						
10/22/2013		<0.0005	<0.0005	<0.0005			
4/1/2014	<0.0005						
4/21/2014		<0.0005	<0.0005	<0.0005			
9/30/2014		<0.0005	<0.0005	<0.0005			
10/1/2014	<0.0005						
3/31/2015	<0.0005						
4/3/2015		<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.0005			
10/7/2015		<0.0005	0.00028 (J)				
10/14/2015	<0.0005						
3/16/2016					<0.0005	<0.0005	0.000113 (J)
4/4/2016	<0.0005						
4/5/2016		<0.0005	0.000194 (J)	<0.0005			
5/16/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
5/31/2016			0.000206 (J)	<0.0005			
6/1/2016	<0.0005	<0.0005					
7/25/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
8/4/2016			<0.0005				
8/9/2016		<0.0005					
9/19/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
9/29/2016			0.0002 (J)				
11/3/2016					<0.0005		<0.0005 (D)
11/4/2016						<0.0005 (D)	
11/23/2016			0.0001 (J)	<0.0005			
11/28/2016		<0.0005					
1/19/2017					<0.0005		
1/20/2017							<0.0005 (D)
1/23/2017						<0.0005 (D)	
2/9/2017		0.0001 (J)					
2/10/2017			<0.0005	<0.0005			
2/22/2017	<0.0005						
3/28/2017					<0.0005		
3/29/2017						<0.0005 (D)	<0.0005 (D)
4/11/2017	<0.0005	<0.0005		<0.0005			
4/12/2017			<0.0005				
6/5/2017					8E-05 (J)		
6/7/2017						<0.0005	<0.0005
6/14/2017		<0.0005					
6/15/2017			<0.0005	<0.0005			
6/16/2017	<0.0005						
7/12/2017	<0.0005	<0.0005		<0.0005			
7/26/2017				<0.0005			
7/28/2017	<0.0005						
8/10/2017	<0.0005						
9/26/2017					<0.0005		
9/27/2017						<0.0005	<0.0005
10/5/2017		<0.0005					
10/6/2017	<0.0005		<0.0005	<0.0005			
3/15/2018					<0.0005	<0.0005	<0.0005
3/22/2018		<0.0005					
3/23/2018	<0.0005		<0.0005	<0.0005			
9/12/2018					<0.0005		
9/13/2018						<0.0005	<0.0005
9/19/2018		<0.0005	<0.0005	<0.0005			
9/20/2018	<0.0005						
3/14/2019					<0.0005	<0.0005 (D)	<0.0005 (D)
3/22/2019	<0.0005	<0.0005		<0.0005			
3/25/2019			<0.0005				
9/11/2019					<0.0005	<0.0005 (D)	<0.0005 (D)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.0005	<0.0005	<0.0005			
9/18/2019	<0.0005						
3/10/2020					<0.0005	<0.0005	<0.0005
3/13/2020		<0.0005	<0.0005	<0.0005			
3/17/2020	<0.0005						
9/11/2020						<0.0005	<0.0005
9/15/2020					<0.0005		
9/21/2020		<0.0005	<0.0005	<0.0005			
9/22/2020	<0.0005						
3/11/2021					<0.0005	<0.0005	<0.0005
3/18/2021		<0.0005	<0.0005	<0.0005			
3/19/2021	<0.0005						
8/4/2021					<0.0005		
8/6/2021						<0.0005	<0.0005
8/11/2021		<0.0005	<0.0005	<0.0005			
8/12/2021	<0.0005						
1/31/2022					<0.0005		
2/1/2022						<0.0005	<0.0005
2/4/2022	<0.0005	<0.0005	<0.0005				
2/7/2022				<0.0005			
8/12/2022						<0.0005	<0.0005
8/15/2022					<0.0005		
8/18/2022		<0.0005					
8/19/2022	<0.0005		<0.0005	<0.0005			
2/14/2023					<0.0005	<0.0005	<0.0005
2/22/2023	<0.0005	<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.0005
10/25/2007							<0.0005
11/19/2007							<0.0005
1/23/2008							<0.0005
3/11/2008							<0.0005
5/12/2008							<0.0005
12/11/2008							<0.0005
4/15/2009							<0.0005
10/9/2009							<0.0005
5/4/2010							<0.0005
10/12/2010							<0.0005
4/28/2011							<0.0005
10/19/2011							<0.0005
5/2/2012							<0.0005
10/9/2012							<0.0005
4/11/2013							<0.0005
10/16/2013							<0.0005
4/23/2014							<0.0005
10/3/2014							0.00033 (J)
3/31/2015							<0.0005
10/12/2015							<0.0005
3/10/2016	<0.0005	<0.0005	<0.0005	0.000148 (J)			
3/17/2016					<0.0005	<0.0005	
3/28/2016							0.000102 (J)
5/17/2016	<0.0005			0.000251 (J)			
5/18/2016		<0.0005	<0.0005		<0.0005	<0.0005	
5/25/2016							0.000148 (J)
7/26/2016	<0.0005						
7/27/2016		<0.0005	<0.0005	0.0002 (J)	<0.0005		
7/28/2016						<0.0005	
8/1/2016							0.0001 (J)
9/20/2016	<0.0005	8E-05 (J)	<0.0005	0.0002 (J)			
9/21/2016					<0.0005	9E-05 (J)	
9/27/2016							0.0001 (J)
11/4/2016	<0.0005		<0.0005	0.0001 (J)	<0.0005		
11/7/2016		<0.0005				0.0001 (J)	
11/11/2016							9E-05 (J)
1/20/2017	<0.0005		<0.0005				
1/23/2017		<0.0005		<0.001			
1/24/2017					<0.0005	0.0002 (J)	
1/31/2017							<0.0005
3/28/2017	<0.0005			0.0001 (J)			
3/29/2017		<0.0005	<0.0005		<0.0005		
3/30/2017						0.0002 (J)	
4/3/2017							0.0001 (J)
6/7/2017	<0.0005						
6/8/2017		<0.0005	<0.0005	0.0002 (J)	<0.0005		
6/9/2017						0.0002 (J)	
6/12/2017							<0.0005
9/27/2017		<0.0005	<0.0005				
9/29/2017	<0.0005			0.0002 (J)	<0.0005	0.0002 (J)	
10/3/2017							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.0005	9.3E-05 (J)		0.00018 (J)	<0.0005	0.0001 (J)	
3/16/2018			<0.0005				
3/19/2018							<0.0005
9/13/2018	<0.0005	<0.0005	<0.0005	0.00012 (J)	<0.0005		
9/14/2018						<0.0005	
9/17/2018							<0.0005
3/15/2019		0.00015 (J)		0.00018 (J)			
3/18/2019	<0.0005				<0.0005		
3/19/2019			<0.0005			<0.0005	
3/20/2019							<0.0005
9/11/2019	<0.0005		<0.0005	0.00021 (JD)	<0.0005	<0.0005	
9/12/2019		<0.0005					
9/16/2019							<0.0005
3/9/2020		0.00015 (J)	<0.0005	0.00016 (J)		<0.0005	
3/10/2020	<0.0005						
3/11/2020					<0.0005		
3/16/2020							<0.0005
9/11/2020					<0.0005		
9/14/2020	<0.0005	0.00014 (J)		0.00019 (J)		<0.0005	
9/15/2020			<0.0005				
9/16/2020							<0.0005
3/11/2021	<0.0005	0.00018 (J)	<0.0005	0.00021 (J)			
3/15/2021					<0.0005	<0.0005	
3/17/2021							0.00013 (J)
8/4/2021				0.0002 (J)			
8/5/2021	<0.0005	<0.0005	<0.0005			<0.0005	
8/9/2021							<0.0005
8/11/2021					<0.0005		
1/31/2022	<0.0005			0.0002 (J)			
2/1/2022		0.00014 (J)	<0.0005		<0.0005	<0.0005	
2/2/2022							<0.0005
8/15/2022	<0.0005	<0.0005	0.00016 (J)	0.00022 (J)	<0.0005	<0.0005	
8/16/2022							<0.0005
2/14/2023	<0.0005	<0.0005	<0.0005	0.00015 (J)	<0.0005	<0.0005	
2/20/2023							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.0005					
8/23/2007						<0.0005
10/25/2007	<0.0005					
11/1/2007						<0.0005
11/19/2007						<0.0005
11/20/2007	<0.0005					
1/15/2008						<0.0005
1/23/2008	<0.0005					
3/6/2008						<0.0005
3/11/2008	<0.0005					
5/13/2008						<0.0005
5/14/2008	<0.0005					
12/11/2008	<0.0005					
12/12/2008						<0.0005
4/16/2009						<0.0005
4/23/2009	<0.0005					
10/9/2009	<0.0005					
10/13/2009						<0.0005
4/21/2010						<0.0005
5/4/2010	<0.0005					
9/29/2010						<0.0005
10/11/2010	<0.0005					
4/13/2011						<0.0005
4/26/2011	<0.0005					
10/5/2011						<0.0005
10/18/2011	<0.0005			<0.0005		
4/4/2012						<0.0005
4/30/2012				<0.0005		
5/2/2012	<0.0005					
10/3/2012				<0.0005		
10/8/2012	<0.0005					<0.0005
4/8/2013				<0.0005		<0.0005
4/10/2013	<0.0005					
10/8/2013	<0.0005					
10/9/2013				<0.0005		<0.0005
4/9/2014						<0.0005
4/10/2014				<0.0005		
4/14/2014	<0.0005					
9/30/2014						<0.0005
10/2/2014				<0.0005		
10/3/2014	<0.0005					
4/1/2015	<0.0005					
4/2/2015						<0.0005
4/3/2015				<0.0005		
5/26/2015		<0.0005			<0.0005	
6/18/2015		<0.0005 (D)			<0.0005 (D)	
7/2/2015		<0.0005			<0.0005	
10/8/2015				<0.0005	<0.0005	
10/9/2015	<0.0005	<0.0005				
10/10/2015						<0.0005 (D)
3/22/2016					<0.0005	
3/29/2016	<0.0005	<0.0005				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.0005		<0.0005
5/24/2016	<0.0005	<0.0005		<0.0005		
5/25/2016					<0.0005	
5/26/2016						<0.0005
5/31/2016			<0.0005			
8/1/2016	<0.0005	<0.0005				
8/2/2016			<0.0005	<0.0005	<0.0005	
8/5/2016						<0.0005
9/26/2016	8E-05 (J)	<0.0005			<0.0005	
9/27/2016			<0.0005	<0.0005		
9/28/2016						<0.0005
11/14/2016		<0.0005				
11/18/2016	8E-05 (J)					
11/21/2016			<0.0005		<0.0005	<0.0005
11/22/2016				<0.0005		
2/1/2017	<0.0005	<0.0005	9E-05 (J)			
2/3/2017					0.0001 (J)	
2/6/2017				<0.0005		<0.0005
4/6/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
4/7/2017					<0.0005	
6/13/2017	<0.0005	<0.0005	<0.0005		0.0002 (J)	<0.0005
6/14/2017				<0.0005		
7/14/2017			<0.0005			
10/3/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
10/4/2017				<0.0005		
3/19/2018	<0.0005					
3/20/2018		<0.0005	<0.0005		<0.0005	<0.0005
3/21/2018				<0.0005		
9/17/2018	<0.0005	<0.0005				
9/18/2018			<0.0005	<0.0005	<0.0005	<0.0005 (D)
3/21/2019	<0.0005	<0.0005	<0.0005			<0.0005
3/27/2019				<0.0005		
5/6/2019					<0.0005	
9/13/2019			<0.0005			
9/16/2019	<0.0005	<0.0005		<0.0005 (D)	<0.0005	<0.0005
3/12/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/16/2020					<0.0005	
9/16/2020	<0.0005	<0.0005	<0.0005			
9/17/2020				<0.0005	<0.0005	<0.0005
3/17/2021	<0.0005	<0.0005	<0.0005	<0.0005		
3/18/2021					<0.0005	<0.0005
8/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/17/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/17/2023	<0.0005	<0.0005				
2/20/2023			<0.0005		<0.0005	
2/21/2023				<0.0005		<0.0005

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					20		
3/15/2016							24
3/22/2016	32.6						
3/23/2016		54.1	46.5			2.05	
5/11/2016					9.76		22.1
5/16/2016				27.8 (D)			
5/19/2016	33.4		24.6				
5/20/2016		23.9					
5/23/2016						1.29	
7/19/2016					3.04		
7/21/2016							19.3
7/27/2016				21.2 (D)			
7/29/2016	26	25.3	14.9			1.29	
9/15/2016					4.78		18.2
9/22/2016			15			1.51	
9/23/2016	28.8	26.6					
11/2/2016					2.46		
11/3/2016							18.2
11/9/2016	27.9	16.1					
11/10/2016			12.6			1.54	
1/17/2017							22
1/18/2017					5.46		
1/30/2017	29.2						
1/31/2017		5.68	16.5			1.34	
2/21/2017				31.7 (D)			
3/24/2017							21.1
3/27/2017				31.9 (D)			
3/28/2017					13		
3/30/2017	30	25.2				1.31	
4/3/2017			16.6				
5/24/2017							23.5
6/7/2017					17		
6/8/2017				35 (D)			
6/9/2017	30.9		17.8				
6/12/2017		34.2				1.4	
7/17/2017				35.9 (D)			
7/27/2017				34.9 (D)			
8/9/2017				33.7 (D)			
9/26/2017					24.9		24.1
9/29/2017				33.4 (D)			
10/2/2017	31.5	1.69	20.6				
10/4/2017						1.13	
12/28/2017					17.9 (Y)		
3/14/2018					26.4		25.7
3/16/2018	28.5		33	32.6			
3/19/2018		63				1.2	
9/12/2018					25.1		18.4 (J)
9/14/2018		2.4	22.8 (J)	29.2			
9/17/2018	30.8					0.95	
3/13/2019							23.8 (X)
3/14/2019				33			
3/15/2019					20.3 (X)		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			31	13	30		
3/15/2016	24	38					
3/28/2016							3.89
5/12/2016	15.5						
5/13/2016		36		18.7	27.8		
5/16/2016			32				
5/23/2016							2.16
7/19/2016				12	25.3		
7/20/2016	16.5						
7/21/2016		33.5					
7/22/2016			28.5				
8/1/2016							1.37
9/15/2016	6.1						
9/16/2016				8.48	27.5		
9/19/2016			28.6				
9/21/2016		31.9					
9/26/2016							1.86
11/2/2016				11.4	26.2		
11/3/2016	13.7	28.9	26.6				
11/10/2016							1.86
1/17/2017		31.4	28.7				
1/18/2017	13.1			6.81	26.6		
1/30/2017							2.86
2/22/2017						54.7 (D)	
3/24/2017	17.3						
3/27/2017		31.7	30.4				
3/28/2017				5.61	29		
4/7/2017						46.8 (D)	2.34
6/6/2017	29.1	42.9		4.99	29.3		
6/7/2017			31.3				
6/12/2017							1.87
6/14/2017						52.4 (D)	
7/12/2017						51.1 (D)	
7/20/2017						47.5 (D)	
7/28/2017						44 (D)	
8/9/2017						48.3 (D)	
8/24/2017						41.9 (D)	
9/22/2017				4.24	32.2		
9/25/2017	17.6	29.3					
9/26/2017			29.5				
10/2/2017							2.53
10/3/2017						47.7 (D)	
12/28/2017					29 (Y)		
3/14/2018	39.6	41.4	32.6	3.6			
3/15/2018					28		
3/16/2018							1.8
3/21/2018						47.5	
9/12/2018	14.2 (J)	29		3.7	28.7		
9/14/2018			30.5				
9/17/2018							2.3
9/18/2018						48.1	
3/13/2019				2.9	29.2		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	7.04						
3/31/2016		36.4	45				
4/4/2016				21.3	27.9	8.63	36.9
5/25/2016	13.5						
5/26/2016		37.6	41.7	22.5	28.7		
5/27/2016						9.07	
5/31/2016							43.9
8/1/2016	2.2						
8/3/2016			35.2	17.5		6.82	
8/4/2016					18.6		45
8/5/2016		30.7					
9/26/2016	5.72						
9/28/2016		32.4	39.2	24.1	17.7		
9/29/2016							60.5
9/30/2016						8.8	
11/11/2016	2.5						
11/22/2016		31.4	37.2	15.7	20.2	8.08	
11/28/2016							54.7
1/30/2017	2.01						
2/7/2017		30.1	38.4				
2/8/2017				18.3	24.3		
2/9/2017							61
2/13/2017						8.51	
4/3/2017	6.26						
4/10/2017		23.6	38.7	18.5	29		
4/11/2017						7.5	
4/12/2017							52.3
6/12/2017	7.44						
6/14/2017		34.6	40.8			7.82	
6/15/2017				21	29		
6/16/2017							62.3
10/2/2017	6.55						
10/4/2017		35.2	40.1	9.4	23.9	8.32	
10/9/2017							58.6
3/16/2018	2.6						
3/20/2018		12 (J)					
3/21/2018			43.3	19.7 (J)			40.9
3/22/2018					27.5	7.5	
9/18/2018	1.3	36.7	45.4	17.6 (J)	26.3	8.2	
9/19/2018							45.9
3/19/2019	4.6						
3/22/2019		15.4 (J)	37.2				
3/23/2019				7.8	28.3	7.5	29.6
9/12/2019	3.7						
9/17/2019		36.7	40.5	16.8	27.6	7.8	
9/18/2019							40.7
3/11/2020	1.2						
3/12/2020		18.6	43.2	8	32.5	8.1	
3/13/2020							33
9/15/2020	0.94 (J)						
9/17/2020		32.6	39				
9/21/2020				17.7	26	8	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							43.1
3/17/2021	5.4						
3/18/2021		27	43.8				30.8
3/19/2021				19.7	31.3	7.8	
8/9/2021	1.7						
8/10/2021		29.4					
8/11/2021			44.3	9.1	33.2	8.4	28.4
2/2/2022	0.93 (J)					8.4	
2/4/2022		21.3	46.3	19.2	34.8		
2/17/2022							29.3
8/17/2022	3.8	36.7					
8/18/2022			48.5	10.2	36.9	9.2	33
2/16/2023	0.81 (J)						
2/20/2023		9	46.2	7.4	32.5		
2/21/2023						7.9	
2/22/2023							26.3

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					5.5	0.8	36
4/4/2016	26.5						
4/5/2016		35.7	37.7	12.2			
5/16/2016					4.3	0.877 (D)	37.4 (D)
5/31/2016			38.4	8.24			
6/1/2016	26.6	28.2					
7/25/2016					1.41	0.781 (D)	30.2 (D)
8/4/2016			28.6				
8/9/2016		43					
9/19/2016					1.01	0.775 (D)	32.3 (D)
9/29/2016			31.4				
11/3/2016					0.884		29.3 (D)
11/4/2016						0.792 (D)	
11/23/2016			62.5 (o)	24.5			
11/28/2016		24.8					
1/19/2017					1.41		
1/20/2017							28.7 (D)
1/23/2017						0.782 (D)	
2/9/2017		21.2					
2/10/2017			31.2	23.8			
2/22/2017	51.6						
3/28/2017					4.23		
3/29/2017						0.756 (D)	34.9 (D)
4/11/2017	45.2	21.1		25.7			
4/12/2017			34.1				
6/5/2017					10.1		
6/7/2017						0.944	30.9
6/14/2017		20.6					
6/15/2017			34.2	24.8			
6/16/2017	47.5						
7/12/2017	51.6	17.7		27.7			
7/26/2017				25.6			
7/28/2017	46						
8/10/2017	52.2						
9/26/2017					4.14		
9/27/2017						0.773	34.2
10/5/2017		20.1					
10/6/2017	42.2		35.4	24.7			
3/15/2018					9	0.77	34.6
3/22/2018		18.6 (J)					
3/23/2018	41.4		35.6	24.3 (J)			
9/12/2018					4.1		
9/13/2018						0.79	36.1
9/19/2018		20 (J)	35.7	23.7 (J)			
9/20/2018	47.5						
3/14/2019					17.2 (X)	0.9 (D)	37 (D)
3/22/2019	40.5	16.7 (J)		21.3 (J)			
3/25/2019			35.6				
9/11/2019					7.1	0.83 (D)	37.2 (D)
9/17/2019		11.4	39.5	22.1			
9/18/2019	42.9						
3/10/2020					16.9	0.89 (J)	43.5

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/13/2020		17	41	24.2			
3/17/2020	44.9						
9/11/2020						0.81 (J)	35.3
9/15/2020					8.3		
9/21/2020		13.1	36.5	22.6			
9/22/2020	47.7						
3/11/2021					11.9	0.93 (J)	43.1
3/18/2021		13	42.1	27.4			
3/19/2021	43						
8/4/2021					12.5		
8/6/2021						0.94 (J)	40.6
8/11/2021		14.3	38.6	25.4			
8/12/2021	43.1						
1/31/2022					11.2		
2/1/2022						1.1	43.9
2/4/2022	43.9	14.3	41.7				
2/7/2022				26.1			
8/12/2022						1.1	43.3
8/15/2022					10.6		
8/18/2022		14.7					
8/19/2022	47.3		40.4	28.1			
2/14/2023					12.5	1	47.5
2/22/2023	40.1	14.3	38.1	24.4			

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	50	26	25	12			
3/17/2016					24	6.4	
3/28/2016							4.29
5/17/2016	50.5			3.25			
5/18/2016		26.2	27.6		27.7	4.63	
5/25/2016							7.15
7/26/2016	40.7						
7/27/2016		19.3	23.9	3.2	21.7		
7/28/2016						2.25	
8/1/2016							3.35
9/20/2016	38.8	25.3	28.9	2.72			
9/21/2016					24.9	1.86	
9/27/2016							2.89
11/4/2016	40.7		32.1	1.69	23.6		
11/7/2016		23.6				1.65	
11/11/2016							3.33
1/20/2017	38.8		31.8				
1/23/2017		25.1		<0.5			
1/24/2017					23	1.62	
1/31/2017							3.21
3/28/2017	48.3			1.72			
3/29/2017		28.9	34.6		27.5		
3/30/2017						1.27	
4/3/2017							2.57
6/7/2017	43.4						
6/8/2017		25.6	34	3.11	27.1		
6/9/2017						1.18	
6/12/2017							6.22
9/27/2017		23.8	30.8				
9/29/2017	46.6			2.71	25.3	0.967	
10/3/2017							2.45
3/15/2018	46.2	21.6 (J)		3.5	24.4 (J)	0.81	
3/16/2018			30.2				
3/19/2018							3.3
9/13/2018	45.3	23.8 (J)	30.9	2.5	22.8 (J)		
9/14/2018						0.7	
9/17/2018							2
3/15/2019		20.4 (X)		4.4			
3/18/2019	46.1				31		
3/19/2019			28.4			1.1	
3/20/2019							2.7
9/11/2019	43.1		33.3	2.9	24.3	0.78	
9/12/2019		21.1					
9/16/2019							2.8
3/9/2020		22.3	35	4.5		0.87 (J)	
3/10/2020	51.6						
3/11/2020					27.1		
3/16/2020							12.1
9/11/2020					24.7		
9/14/2020	40.2	20.9		3.5		0.65 (J)	
9/15/2020			31.6				
9/16/2020							2.8

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	45.2	21.1	31.8	5.9			
3/15/2021					24.7	0.69 (J)	
3/17/2021							3
8/4/2021				2.8			
8/5/2021	43.7	20.4	29			0.67 (J)	
8/9/2021							2.6
8/11/2021					27.4		
1/31/2022	39.9			2.8			
2/1/2022		21.3	29.4		26	0.62 (J)	
2/2/2022							3.7
8/15/2022	38.7	33.7 (J)	22.3	5.6	25.4	0.7 (J)	
8/16/2022							3.7
2/14/2023	41.1	20.5	31.6	3	24.3	0.65 (J)	
2/20/2023							3.5

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					25.1	
3/29/2016	13.8	11.1				
3/30/2016				22.2		9.07
5/24/2016	14.8	12.6		25.2		
5/25/2016					23.7	
5/26/2016						15.8
5/31/2016			25.7			
8/2/2016			22.9	20.8	21.5	
8/5/2016						20.5
9/26/2016	13.3	11.8			21.4	
9/27/2016			22.2	23.1		
9/28/2016						24.9
11/14/2016		11.3				
11/18/2016	12.4					
11/21/2016			22.1		21	23.4
11/22/2016				22.3		
2/1/2017	13.3	12.6	21.7			
2/3/2017					20	
2/6/2017				21.4		1.7
4/6/2017	13.4	9.84	21.4	21.1		1.6
6/13/2017	14.6	13	24.4		21.5	3.82
6/14/2017				22.1		
7/14/2017			24.8			
10/3/2017	13.9	13.7	23.6		22.8	9.77
10/4/2017				23.1		
3/19/2018	14.4 (J)					
3/20/2018		11.5 (J)	22.9 (J)		20.3 (J)	1.4
3/21/2018				22.5 (J)		
9/17/2018	12.4 (J)	11 (J)				
9/18/2018			20.8 (J)	20.8 (J)	15.5 (J)	3.35 (D)
3/21/2019	14.9 (J)	8.3	25.2			4.8
3/27/2019				20.6 (J)		
5/6/2019					20 (J)	
9/13/2019			24.6			
9/16/2019	13.5	9.5		23	20.3	12
3/12/2020	16.2	9.3	26.4	21.8		1.8
3/16/2020					19.4	
9/16/2020	14.3	8.8	24.4			
9/17/2020				21.4	18.1	18.3
3/17/2021	14.1	9.5	23.9	22.4		
3/18/2021					9.6	1.9
8/10/2021	14.7	9.9	26.2	23.5	20	1.9
2/2/2022	15.5	10.5	26.9	23.9	20.8	2.2
8/17/2022	15.8	10	27.2	24	10.4	2.5
2/17/2023	15.2	9.7				
2/20/2023			26.1		18.5	
2/21/2023				18		2.3

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					1.795		
3/15/2016							1.1671
3/22/2016	1.5101						
3/23/2016		2.4904	0.9079			1.6092	
5/11/2016					2.04		0.8763
5/16/2016				1.74 (D)			
5/19/2016	1.5		0.9136				
5/20/2016		1.71					
5/23/2016						1.52	
7/19/2016					2.1		
7/21/2016							1.4
7/27/2016				2.1 (D)			
7/29/2016	1.7	2	1.1			1.5	
9/15/2016					1.7		
9/19/2016							1.1
9/22/2016			1			1.4	
9/23/2016	1.8	1.8					
11/2/2016					1.8		
11/3/2016							1.2
11/9/2016	2	1.6					
11/10/2016			1.2			1.6	
1/17/2017							1
1/18/2017					1.7		
1/30/2017	1.5						
1/31/2017		1.3	1.2			1.6	
2/21/2017				4 (D)			
3/24/2017							1.2
3/27/2017				2.6 (D)			
3/28/2017					1.3		
3/30/2017	1.8	1.6				1.4	
4/3/2017			0.99				
5/24/2017							1.5
6/7/2017					1.2		
6/8/2017				2.1 (D)			
6/9/2017	1.6		0.87				
6/12/2017		1.6				1.4	
7/17/2017				1.9 (D)			
7/27/2017				3 (D)			
8/9/2017				2.5 (D)			
9/26/2017					1.7		2.4
9/29/2017				2.7 (D)			
10/2/2017	1.6	0.94	1				
10/4/2017						1.5	
12/28/2017							3.9 (Y)
3/14/2018					1.4		2.4
3/16/2018	1.7		1.6	2.6			
3/19/2018		1.9				1.5	
9/12/2018					1.6		1
9/14/2018		0.98	0.92	1.9			
9/17/2018	1.55 (D)					1.5	
3/13/2019							2.2
3/14/2019				2.8			

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/15/2019					1.7		
3/19/2019			2				
3/20/2019	<1.4	<0.86				<1.5	
9/9/2019					1.2		0.83 (X)
9/10/2019				2.3			
9/12/2019	1.3	0.815 (JD)					
9/13/2019			0.94 (J)			1.5	
3/9/2020				1.5	1.2		1.5
3/11/2020	1.4	2	0.6 (J)			1.4	
9/10/2020					1.2		
9/11/2020							0.77 (J)
9/15/2020	1.3	1.2	0.75 (J)				
9/16/2020				1.7			
3/10/2021							0.97 (J)
3/12/2021					1.2		
3/16/2021	1.3		0.73 (J)	1.3			
3/17/2021		1.4					
3/29/2021						1.5	
8/4/2021					1.1		0.82 (J)
8/6/2021				1.3			
8/9/2021	1.3	1.5	1.1			1.4	
1/31/2022					1		0.71 (J)
2/1/2022	1.2	1.4	0.77 (J)				
2/2/2022				1.5		1.9	
8/10/2022					0.93 (J)		
8/12/2022							<1
8/16/2022	0.99 (J)	1.1	0.82 (J)	1.6		2.5	
2/13/2023					1.3		1.1
2/14/2023				1.6			
2/16/2023	1.2	1.6	1.9				
2/17/2023						6.3	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			2.4984	1.2562	1.9467		
3/15/2016	4.1666	6.1465					
3/28/2016							1.14
5/12/2016	1.78						
5/13/2016		3.08		1.32	2.14		
5/16/2016			2.22				
5/23/2016							1.19
7/19/2016				1.3	3.1		
7/20/2016	1.8						
7/21/2016		3.7					
7/22/2016			2.6				
8/1/2016							1.2
9/15/2016	1.4						
9/16/2016				1.2	3.5		
9/19/2016			2.5				
9/21/2016		2.4					
9/26/2016							1.1
11/2/2016				1.4	4.7		
11/3/2016	1.6	3.4	3				
11/10/2016							1.3
1/17/2017		1.9	2.9				
1/18/2017	1.5			1.2	4.9		
1/30/2017							1.2
2/22/2017						3.7 (D)	
3/24/2017	1.4						
3/27/2017		2.4	3				
3/28/2017				1.4	4.1		
4/7/2017						2.5 (D)	1.2
6/6/2017	2.8	4.5		1.4	3.6		
6/7/2017			3				
6/12/2017							1.1
6/14/2017						2.6 (D)	
7/12/2017						2.8 (D)	
7/20/2017						2.3 (D)	
7/28/2017						2 (D)	
8/9/2017						1.8 (D)	
8/24/2017						2.9 (D)	
9/22/2017				1.3	3.9		
9/25/2017	1.8	2.5					
9/26/2017			3.1				
10/2/2017							1.2
10/3/2017						2.8 (D)	
3/14/2018	3	4 (J)	3.2	1.3			
3/15/2018					2.8		
3/16/2018							1.4
3/21/2018						2.9	
9/12/2018	1.4	2.1		1.3	3.1		
9/14/2018			2.3				
9/17/2018							1.1
9/18/2018						3.1	
3/13/2019				1.6	2.9		
3/14/2019	2.6	2.9	3.6				

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							<1.2
3/21/2019						3.6 (D)	
9/10/2019	1.1	1.7	2				
9/11/2019				1.3	3.1		
9/12/2019						2.1 (D)	
9/13/2019							1
3/6/2020	1.3		2.7				
3/9/2020		1.3		1.2	2.2		
3/11/2020							0.91 (J)
3/12/2020						2.3	
9/10/2020	1.2	1.4	2				
9/11/2020				1.3			
9/14/2020					3.3		
9/16/2020							0.97 (J)
9/17/2020						2.4	
3/10/2021		1.6					
3/11/2021	1.5		2.5	1.3	2.7		
3/16/2021						2.7	
3/17/2021							1 (J)
8/4/2021	1.2	1.3	2.3				
8/5/2021					1.9		
8/6/2021				1.3			
8/9/2021							1 (J)
8/10/2021						2.8	
1/31/2022	1	1	2	1.1	1.7		
2/1/2022							0.91 (J)
2/3/2022						2.6	
8/10/2022			1.8		1.7		
8/11/2022	1.3	1.4		1.4			
8/16/2022							0.69 (J)
8/17/2022						2.6	
2/13/2023	1.6	1.5	2.4		1.8		
2/14/2023				1.3			
2/16/2023							0.91 (J)
2/17/2023						3	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	0.9204						
3/31/2016		2.72	2.79				
4/4/2016				1.42	1.67	1.03	3.55
5/25/2016	1.04						
5/26/2016		2.63	2.87	1.37	1.64		
5/27/2016						0.9684	
5/31/2016							3.55
8/1/2016	0.85						
8/3/2016			3.2	1.4		1.3	
8/4/2016					1.7		4.4
8/5/2016		3					
9/26/2016	0.87						
9/28/2016		2.5	3	1.2	1.4		
9/29/2016							4
9/30/2016						1.2	
11/11/2016	0.99						
11/22/2016		2.6	3.1	1.6	1.9	1.2	
11/28/2016							4
1/30/2017	0.95						
2/7/2017		2.3	3				
2/8/2017				1.4	1.7		
2/9/2017							7.5
2/13/2017						0.96	
4/3/2017	0.88						
4/10/2017		1.9	2.3	1.3	1.8		
4/11/2017						1.2	
4/12/2017							5.3
6/12/2017	0.83						
6/14/2017		1.9	2			0.89	
6/15/2017				1.2	1.5		
6/16/2017							5.4
10/2/2017	0.94						
10/4/2017		2	2.1	1.3	1.6	1	
10/9/2017							6.2
3/16/2018	<1						
3/20/2018		2.2					
3/21/2018			2.5	1.6			4.6
3/22/2018					2	<1.3	
9/18/2018	1	2.4	2.5	1.5	1.9	1.3	
9/19/2018							5.1
3/19/2019	<1						
3/22/2019		2.2	2.8				
3/23/2019				1.2	1.7	0.88	3.5
9/12/2019	0.74 (J)						
9/17/2019		2.4	2.8	1.1	1.4	0.835 (JD)	
9/18/2019							4
3/11/2020	0.73 (J)						
3/12/2020		2.3	3	1	1.5	0.84 (J)	
3/13/2020							3.3
9/15/2020	0.7 (J)						
9/17/2020		2.5	2.9				
9/21/2020				1	1.3	0.71 (J)	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							3.5
3/17/2021	0.81 (J)						
3/18/2021		2.1	2.5				3.4
3/19/2021				1.1	1.4	0.79 (J)	
8/9/2021	0.78 (J)						
8/10/2021		1.9					
8/11/2021			2.1	0.9 (J)	1.3	0.72 (J)	2.9
2/2/2022	0.7 (J)					0.79 (J)	
2/4/2022		1.9	2.2	1.1	1.4		
2/17/2022							3.1
8/17/2022	<1	1.6					
8/18/2022			2.5 (J)	1.2	1.7	1	3.4
2/16/2023	0.71 (J)						
2/20/2023		1.9	2.4	1.2	1.6		
2/21/2023						0.99 (J)	
2/22/2023							3.2

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					6.505	0.9445	3.0774
4/4/2016	3.3						
4/5/2016		1.93	2.08	0.9439			
5/16/2016					5.08	0.9104 (D)	3 (D)
5/31/2016			1.51	1			
6/1/2016	3.18	1.93					
7/25/2016					1.2	1.2 (D)	3 (D)
8/4/2016			1.7				
8/9/2016		2.4					
9/19/2016					1.9	1.1 (D)	3 (D)
9/29/2016			1.5				
11/3/2016					2		3 (D)
11/4/2016						1 (D)	
11/23/2016			1.9	1.7			
11/28/2016		3					
1/19/2017					2.6		
1/20/2017							3.3 (D)
1/23/2017						1.2 (D)	
2/9/2017		3					
2/10/2017			1.5	1.6			
2/22/2017	7.2						
3/28/2017					5.7		
3/29/2017						1.1 (D)	3.2 (D)
4/11/2017	5.5	4.5		1.5			
4/12/2017			1.7				
6/5/2017					7.8		
6/7/2017						1	3.1
6/14/2017		3					
6/15/2017			1.4	1			
6/16/2017	8.7						
7/12/2017	7.5	3.9		1.8			
7/20/2017					7.4		
7/26/2017				1.2			
7/28/2017	6.6						
8/10/2017	8.5						
9/26/2017					3.7		
9/27/2017						1.1	3.2
10/5/2017		2.7					
10/6/2017	8.9		1.6	1.7			
3/15/2018					6.5	<1	3.3
3/22/2018		3.4					
3/23/2018	8.3		1.5	<1			
9/12/2018					3.6		
9/13/2018						0.93	2.9
9/19/2018		2.8	1.7	1.1			
9/20/2018	9.6						
3/14/2019					6.4	<1 (D)	4.3 (D)
3/22/2019	7.4	3.7		1.2			
3/25/2019			1.9				
9/11/2019					3.7	0.81 (JXD)	2.9 (D)
9/17/2019		3.8	2	0.78 (X)			
9/18/2019	7.6						

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/10/2020					5.9	0.8 (J)	4.4
3/13/2020		4.2	1.6	0.7 (J)			
3/17/2020	7.7						
9/11/2020						0.79 (J)	3.1
9/15/2020					4.2		
9/21/2020		3.5	1.6	0.64 (J)			
9/22/2020	7						
3/11/2021					5.5	0.83 (J)	4
3/18/2021		4	1.7	0.67 (J)			
3/19/2021	7.4						
8/4/2021					4.9		
8/6/2021						0.86 (J)	3.8
8/11/2021		3.4	1.2	<1			
8/12/2021	5.8						
1/31/2022					4.2		
2/1/2022						0.79 (J)	4.3
2/4/2022	6.1	3.6	1.2				
2/7/2022				0.6 (J)			
8/12/2022						<1	3
8/15/2022					5.1		
8/18/2022		4.3					
8/19/2022	6.4		1.4	0.88 (J)			
2/14/2023					5.7	0.81 (J)	5.3
2/22/2023	5.8	4	1.5	0.83 (J)			

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	1.9859	2.2206	2.5934	2.4266			
3/17/2016					1.4476	1.0624	
3/28/2016							0.8659
5/17/2016	2.37			2.01			
5/18/2016		2.42	2.51		1.43	1.41	
5/25/2016							0.8639
7/26/2016	2.4						
7/27/2016		2.4	2.5	2.3	1.6		
7/28/2016						1.4	
8/1/2016							0.93
9/20/2016	2.4	2.4	2.4	2.2			
9/21/2016					1.6	1.2	
9/27/2016							0.8
11/4/2016	2.8		2.9	3	1.6		
11/7/2016		2.8				1.4	
11/11/2016							0.95
1/20/2017	2.2		2.7				
1/23/2017		2.4		2.5			
1/24/2017					1.7	<1.1 (*)	
1/31/2017							0.99
3/28/2017	2.3			2.2			
3/29/2017		2.8	2.3		1.6		
3/30/2017						1.2	
4/3/2017							0.93
6/7/2017	2.3						
6/8/2017		2.5	2.3	2.3	1.6		
6/9/2017						1.1	
6/12/2017							0.91
9/27/2017		2.4	2.4				
9/29/2017	2.1			2.5	1.7	1.2	
10/3/2017							0.95
3/15/2018	2	2.7		2.6	1.6	1.4	
3/16/2018			2.7				
3/19/2018							0.82
9/13/2018	1.9	2.6	2.5	2.8	1.3		
9/14/2018						1.1	
9/17/2018							0.9
3/15/2019		2.8		3.3			
3/18/2019	1.8				2.7		
3/19/2019			2.6			<1.1	
3/20/2019							<1
9/11/2019	1.4		2.1	3.3	1.4	1	
9/12/2019		2.3					
9/16/2019							0.73 (J)
3/9/2020		2.3	2.3	3.4		1	
3/10/2020	1.2						
3/11/2020					1.4		
3/16/2020							0.67 (J)
9/11/2020					1.2		
9/14/2020	1.1	2.2		4		0.98 (J)	
9/15/2020			2.2				
9/16/2020							0.7 (J)

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	1.1	2.3	2.4	4.5			
3/15/2021					1.2	0.98 (J)	
3/17/2021							0.69 (J)
8/4/2021				5			
8/5/2021	1.2	2.2	2.3			1	
8/9/2021							0.74 (J)
8/11/2021					1.1		
1/31/2022	1.7			4.8			
2/1/2022		2	2.3		1.1	0.93 (J)	
2/2/2022							0.66 (J)
4/28/2022				5			
8/15/2022	3	2.4	2.2	5.4	1.3	1.2	
8/16/2022							<1
2/14/2023	3.7	2	2.8	6	1	1	
2/20/2023							0.88 (J)

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					1.4231	
3/29/2016	1.3977	1.6645				
3/30/2016				0.9409		2.21
5/24/2016	1.33	1.58		0.92		
5/25/2016					1.11	
5/26/2016						2.1
5/31/2016			1.33			
8/1/2016	1.2	1.4				
8/2/2016			1.5	1.2	1.5	
8/5/2016						2.4
9/26/2016	1.1	1.4			1.6	
9/27/2016			1.4	1.1		
9/28/2016						2.1
11/14/2016		1.6				
11/18/2016	1.2					
11/21/2016			1.5		1.5	2.2
11/22/2016				1.2		
2/1/2017	1.3	1.4	1.5			
2/3/2017					1.8	
2/6/2017				1.1		2.5
4/6/2017	1.1	1.5	1.2	1.2		2.2
4/7/2017					1.5	
6/13/2017	1.2	1.3	0.98		1.3	2
6/14/2017				0.92		
7/14/2017			1.1			
10/3/2017	1.2	1.3	1		1.4	2
10/4/2017				1		
3/19/2018	1.2					
3/20/2018		1.7	1.5		1.8	2.4
3/21/2018				1.3		
9/17/2018	1.1	1.3				
9/18/2018			1.3	1.2	1.9	2.4 (D)
3/21/2019	<1.4	<1.5	<1			2
3/27/2019				0.9		
5/6/2019					1.1	
9/13/2019			1			
9/16/2019	1.1	1.2		0.75 (JD)	1.4	1.9
3/12/2020	1.3	1.3	0.72 (J)	0.93 (J)		1.9
3/16/2020					1.3	
9/16/2020	1.2	1.2	0.79 (J)			
9/17/2020				0.77 (J)	1.4	1.9
3/17/2021	1.2	1.4	0.79 (J)	0.78 (J)		
3/18/2021					1.6	2.2
8/10/2021	1	1.1	0.68 (J)	0.68 (J)	1.2	1.8
2/2/2022	1.1	1.3	0.76 (J)	0.77 (J)	1.4	2.1
8/17/2022	0.89 (J)	0.99 (J)	<1	<1	1.3	1.9
2/17/2023	1.4	1.5				
2/20/2023			0.94 (J)		1.6	
2/21/2023				0.97 (J)		2.1

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	0.0045	<0.005			<0.005	
10/23/2007	0.011						
10/24/2007		0.039 (O)	0.0033				
11/2/2007						0.027 (O)	
11/18/2007	0.038 (O)	0.059 (O)	0.012			0.17 (O)	
1/30/2008	0.11 (O)						
1/31/2008		0.0067	0.052 (O)			0.012	
3/10/2008	0.038 (O)		0.01				
3/11/2008		0.03 (O)				0.063 (O)	
5/6/2008		0.0062					
5/13/2008	0.012		0.0068				
5/14/2008						0.057 (O)	
12/4/2008		0.009	0.0017				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		0.0022	<0.005				
10/7/2009	0.0065	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	0.0019						
4/15/2013		0.0013					
10/15/2013		0.0023					
10/16/2013	0.0024		<0.005			0.0013	
4/10/2014			<0.005				
4/11/2014	0.0013 (J)						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	0.0047	0.0011 (J)	<0.005				

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
5/19/2016	<0.005		<0.005				
5/20/2016		<0.005					
5/23/2016						<0.005	
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				0.0017 (JD)			
7/29/2016	<0.005	<0.005	<0.005			<0.005	
9/15/2016					<0.005		<0.005
9/22/2016			<0.005			0.0013 (J)	
9/23/2016	<0.005	<0.005					
11/2/2016					<0.005		
11/3/2016							<0.005
11/9/2016	0.0011 (J)	<0.005					
11/10/2016			<0.005			<0.005	
1/17/2017							<0.005
1/18/2017					<0.005		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			<0.005	
2/21/2017				0.001 (J)			
3/24/2017							<0.005 (*)
3/27/2017				<0.005 (D)			
3/28/2017					<0.005 (*)		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			<0.005				
5/24/2017							0.0008 (J)
6/7/2017					<0.005		
6/8/2017				<0.005 (D)			
6/9/2017	<0.005		<0.005				
6/12/2017		0.0008 (J)				<0.005	
7/17/2017				<0.005 (D)			
7/27/2017				0.0005 (J)			
8/9/2017				0.0005 (J)			
9/26/2017					<0.005		0.0005 (J)
9/29/2017				0.0006 (JD)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		0.0031 (J)				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				0.004 (J)			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	<0.005	<0.005 (D)					
9/13/2019			<0.005			0.00073 (J)	
3/9/2020				0.0016 (J)	0.069 (o)		0.0009 (J)
3/11/2020	0.0012 (J)	0.0025 (J)	0.0042 (J)			0.00095 (J)	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	0.00086 (J)	<0.005				
9/16/2020				0.00058 (J)			
3/10/2021							0.00075 (J)
3/12/2021					0.00064 (J)		
3/16/2021	<0.005		<0.005	0.0008 (J)			
3/17/2021		<0.005					
3/29/2021						0.00062 (J)	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	<0.005			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				0.0012 (J)		0.0069	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							0.0014
4/14/2011							0.0014
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							0.0013 (J)
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	0.00212 (J)		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	0.0006 (J)		
7/20/2016	<0.005						
7/21/2016		<0.005					
7/22/2016			<0.005				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	0.0014 (J)		
1/30/2017							<0.005
2/22/2017						<0.005	
3/24/2017	<0.005 (*)						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005 (*)	<0.005 (*)		
4/7/2017						<0.005	<0.005
6/6/2017	<0.005	0.0004 (J)		0.0004 (J)	0.0009 (J)		
6/7/2017			<0.005				
6/12/2017							<0.005
6/14/2017						<0.005 (D)	
7/12/2017						<0.005 (D)	
7/20/2017						<0.005 (D)	
7/28/2017						<0.005	
8/9/2017						<0.005	
8/24/2017						<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				0.0008 (J)	0.0006 (J)		
9/25/2017	<0.005	<0.005					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					0.0017 (J)		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				0.00051 (J)	0.00066 (J)		
9/12/2019						<0.005 (D)	
9/13/2019							<0.005
3/6/2020	0.015		0.00045 (J)				
3/9/2020		0.0004 (J)		0.0033 (J)	0.0014 (J)		
3/11/2020							0.0011 (J)
3/12/2020						<0.005	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					0.0011 (J)		
9/16/2020							<0.005
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	0.0015 (J)		<0.005	<0.005	0.0011 (J)		
3/16/2021						<0.005	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005	<0.005	0.0011 (J)		
2/1/2022							<0.005
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				0.0016 (J)			
2/16/2023							<0.005
2/17/2023						<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.0015	0.036 (O)	<0.005	0.037	0.0013	0.0019
11/1/2007		0.011	0.01	<0.005	0.04	<0.005	0.01
11/18/2007				<0.005	0.045		
11/19/2007						0.0056	0.021
11/20/2007		0.042 (o)	0.0039				
1/16/2008						0.039 (o)	
1/30/2008		0.034	0.019 (O)	<0.005	0.041		
1/31/2008							0.035
3/5/2008				<0.005		0.03	0.012
3/6/2008		0.027	<0.005		0.042		
5/7/2008				0.025 (o)	0.029		
5/8/2008			0.01				
5/12/2008		0.015					0.02
5/13/2008						0.0057	
12/12/2008	<0.005						
12/13/2008		0.0036				<0.005	0.014
12/14/2008			0.0038	0.0021	0.032		
4/16/2009						<0.005	
4/23/2009	0.0031						
4/28/2009							0.0079
4/29/2009		<0.005	<0.005	0.011	0.017		
10/6/2009	0.0024						
10/20/2009		<0.005					
10/21/2009			<0.005			0.0015	0.0092
10/22/2009				0.01	0.022		
4/21/2010			<0.005	0.0053	0.021		
4/26/2010		<0.005					
4/27/2010						0.0036	
4/28/2010							0.0086
5/3/2010	<0.005						
9/28/2010			<0.005	0.0076			
9/29/2010		0.0034			0.024		
10/5/2010						<0.005	0.0085
10/11/2010	0.0028						
4/12/2011			<0.005	0.0095			
4/13/2011		<0.005			0.014		
4/19/2011						0.003	0.0089
4/27/2011	0.0041						
10/4/2011			0.0019	0.0091	0.017		
10/5/2011		0.0032					
10/12/2011						<0.005	
10/18/2011							0.0093
10/19/2011	<0.005						
4/3/2012			<0.005	0.0076			
4/4/2012		<0.005			0.014		
4/24/2012						<0.005	
4/25/2012							0.0075
5/1/2012	<0.005						
10/2/2012	0.0019					<0.005	0.017
10/3/2012		0.0047		0.0039	0.0033		
10/8/2012			<0.005				
4/2/2013						0.0018	0.0097

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0014	<0.005	<0.005	0.017		
4/10/2013	0.0027						
10/8/2013							0.011
10/9/2013				0.0089	0.015	<0.005	
10/15/2013		0.002	<0.005				
10/16/2013	0.0029						
4/1/2014						<0.005	0.0074
4/2/2014				<0.005	0.014		
4/9/2014		<0.005	<0.005				
4/22/2014	0.0024						
10/1/2014	<0.005						0.0049
10/2/2014		<0.005	<0.005	<0.005	0.0048	<0.005	
3/30/2015	0.0022						
4/1/2015				0.0062	0.0084	<0.005	0.0072
4/2/2015		<0.005	<0.005				
10/10/2015		0.0013					
10/11/2015	<0.005			<0.005	0.019		
10/12/2015			<0.005				
10/14/2015						<0.005	
10/15/2015							0.0077
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				0.00656 (J)	0.00728 (J)	<0.005	0.00615 (J)
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	0.00752 (J)	0.00553 (J)		
5/27/2016						<0.005	
5/31/2016							0.00588 (J)
8/1/2016	<0.005						
8/3/2016			<0.005	0.0067 (J)		<0.005	
8/4/2016					0.0071 (J)		0.0056 (J)
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	0.0082 (J)	0.0093 (J)		
9/29/2016							0.0065 (J)
9/30/2016						<0.005	
11/11/2016	<0.005						
11/22/2016		0.0024 (J)	<0.005	0.0045 (J)	0.0058 (J)	<0.005	
11/28/2016							0.0064 (J)
1/30/2017	<0.005						
2/7/2017		0.0015 (J)	0.0019 (J)				
2/8/2017				0.0101	0.0072 (J)		
2/9/2017							0.0078 (J)
2/13/2017						<0.005	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	0.0094 (J)	<0.01		
4/11/2017						<0.005	
4/12/2017							0.0077 (J)
6/12/2017	0.0005 (J)						
6/14/2017		0.0006 (J)	<0.005			<0.005	
6/15/2017				0.009 (J)	0.0066 (J)		
6/16/2017							0.0072 (J)
10/2/2017	<0.005						

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		0.0027 (J)	<0.005	0.0008 (J)	0.0079 (J)	<0.005	
10/9/2017							0.0079 (J)
3/16/2018	<0.005						
3/20/2018		<0.005					
3/21/2018			<0.005	0.0079 (J)			0.0055 (J)
3/22/2018					0.0062 (J)	<0.005	
9/18/2018	<0.005	<0.005	<0.005	0.0081 (J)	0.0062 (J)	<0.005	
9/19/2018							0.0059 (J)
3/19/2019	<0.005						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	0.0048 (J)	<0.005	0.0058 (J)
9/12/2019	<0.005						
9/17/2019		0.0009 (J)	0.00067 (J)	0.0079 (J)	0.0042 (J)	0.0058 (JD)	
9/18/2019							0.0063 (J)
3/11/2020	<0.005						
3/12/2020		0.00047 (J)	<0.005	0.00084 (J)	0.0042 (J)	<0.005	
3/13/2020							0.0054 (J)
9/15/2020	<0.005						
9/17/2020		0.0011 (J)	<0.005				
9/21/2020				0.0081 (J)	0.0056 (J)	<0.005	
9/22/2020							0.0062 (J)
3/17/2021	<0.005						
3/18/2021		0.00068 (J)	0.002 (J)				0.0058
3/19/2021				0.0073	0.0079	<0.005	
8/9/2021	<0.005						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	0.0042 (J)	<0.005	0.0074
2/2/2022	<0.005					<0.005	
2/4/2022		<0.005	<0.005	0.0071	0.0042 (J)		
2/17/2022							0.0053
8/17/2022	<0.005	0.0013 (J)					
8/18/2022			<0.005	<0.005	0.0046 (J)	<0.005	0.0044 (J)
2/16/2023	<0.005						
2/20/2023		<0.005	<0.005	0.0015 (J)	0.0037 (J)		
2/21/2023						<0.005	
2/22/2023							0.0038 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			0.014				
8/24/2007		0.083 (O)		0.061 (O)			
11/1/2007	0.0042						
11/2/2007		0.0071	0.0036	0.078 (O)			
11/17/2007		0.012	0.031 (O)				
11/18/2007				0.085 (O)			
11/19/2007	0.0049						
1/15/2008		0.043 (o)	0.011	0.079 (O)			
1/31/2008	<0.005						
3/5/2008	<0.005	0.0044					
3/6/2008			0.0027				
3/10/2008				0.062 (O)			
5/7/2008	<0.005	0.0084	0.008				
5/13/2008				0.044 (O)			
12/2/2008		0.0056	0.0059	0.027			
12/12/2008	0.019 (O)						
4/16/2009		0.0042					
4/28/2009			<0.005	0.016			
4/29/2009	0.002						
10/19/2009			<0.005				
10/20/2009		0.0037		0.018			
10/21/2009	0.002						
4/20/2010		<0.005					
4/27/2010			<0.005	0.012			
4/28/2010	0.0049						
9/29/2010		0.0028					
10/4/2010			0.0013				
10/5/2010				0.0067			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				0.0081			
4/20/2011	<0.005						
10/4/2011		0.0015					
10/12/2011	<0.005		0.0014	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	0.0015						
10/10/2012		0.0029	<0.005	<0.005			
4/2/2013	0.0017						
4/15/2013		0.0036	0.0021				
4/16/2013				0.0029			
10/8/2013	<0.005						
10/22/2013		0.0048	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		0.0043	0.0013 (J)	<0.005			
9/30/2014		0.0037	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		0.016	<0.005	<0.005			

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		0.0092	<0.005				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		0.00605 (J)	<0.005	<0.005			
5/16/2016					<0.005	<0.005 (D)	<0.005 (D)
5/31/2016			<0.005	<0.005			
6/1/2016	<0.005 (D)	0.006 (J)					
7/25/2016					<0.005	<0.005 (D)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		0.0086 (JD)					
9/19/2016					<0.005	<0.005 (D)	<0.005 (D)
9/29/2016			<0.005				
11/3/2016					<0.005		<0.005 (D)
11/4/2016						<0.005 (D)	
11/23/2016			<0.005	<0.005			
11/28/2016		<0.005					
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						<0.005 (D)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	0.0012 (J)						
3/28/2017					<0.005		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			<0.005				
6/5/2017					<0.005		
6/7/2017						<0.005	0.0004 (J)
6/14/2017		0.0006 (J)					
6/15/2017			0.0005 (J)	0.0005 (J)			
6/16/2017	<0.005						
7/12/2017	<0.005	0.0005 (J)		0.0008 (J)			
7/26/2017				0.0006 (J)			
7/28/2017	<0.005						
8/10/2017	<0.005						
9/26/2017					<0.005		
9/27/2017						<0.005	<0.005
10/5/2017		0.0006 (J)					
10/6/2017	<0.005		<0.005	0.0008 (J)			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					<0.005	<0.005 (D)	<0.005 (D)

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		0.00046 (X)	0.00044 (J)	0.00064 (X)			
9/18/2019	<0.005						
3/10/2020					0.00074 (J)	0.0007 (J)	0.00092 (J)
3/13/2020		0.00093 (J)	0.0011 (J)	0.0012 (J)			
3/17/2020	0.002 (J)						
9/11/2020						<0.005	0.00067 (J)
9/15/2020					<0.005		
9/21/2020		<0.005	0.0016 (J)	0.00089 (J)			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		0.0023 (J)	0.00089 (J)	0.00078 (J)			
3/19/2021	<0.005						
8/4/2021					<0.005		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				0.0011 (J)			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.0015 (J)	<0.005	0.0058
2/22/2023	0.0024 (J)	<0.005	<0.005	0.0014 (J)			

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0076
10/25/2007							0.015
11/19/2007							0.013
1/23/2008							0.032
3/11/2008							0.024
5/12/2008							0.016
12/11/2008							0.013
4/15/2009							0.0073
10/9/2009							0.0037
5/4/2010							<0.005
10/12/2010							0.0023
4/28/2011							0.002
10/19/2011							0.0015
5/2/2012							<0.005
10/9/2012							<0.005
4/11/2013							0.0015
10/16/2013							<0.005
4/23/2014							0.0013 (J)
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.01	0.00202 (J)	0.00668 (J)	0.00207 (J)			
3/17/2016					<0.005	0.00778 (J)	
3/28/2016							<0.005
5/17/2016	<0.01			<0.01			
5/18/2016		0.00248 (J)	0.00606 (JO)		<0.005	<0.005	
5/25/2016							<0.005
7/26/2016	0.0017 (J)						
7/27/2016		0.0021 (J)	0.0023 (J)	0.0017 (J)	0.0006 (J)		
7/28/2016						0.0014 (J)	
8/1/2016							<0.005
9/20/2016	0.0015 (J)	0.002 (J)	0.0021 (J)	0.0024 (J)			
9/21/2016					0.0011 (J)	0.0009 (J)	
9/27/2016							<0.005
11/4/2016	0.0016 (J)		0.0016 (J)	0.0013 (J)	<0.005		
11/7/2016		0.0023 (J)				<0.005	
11/11/2016							<0.005
1/20/2017	0.0018 (J)		0.0016 (J)				
1/23/2017		0.0011 (J)		<0.01			
1/24/2017					<0.005	<0.005	
1/31/2017							<0.005
3/28/2017	<0.01 (*)			<0.01 (*)			
3/29/2017		0.0012 (J)	0.001 (J)		0.0004 (J)		
3/30/2017						<0.005	
4/3/2017							<0.005
6/7/2017	0.0018 (J)						
6/8/2017		0.0015 (J)	0.0024 (J)	0.0016 (J)	0.0005 (J)		
6/9/2017						<0.005	
6/12/2017							0.0005 (J)
9/27/2017		0.0021 (J)	0.0021 (J)				
9/29/2017	0.0033 (J)			0.002 (J)	0.0005 (J)	<0.005	
10/3/2017							<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	0.0021 (J)	0.0023 (J)		<0.01	<0.005	<0.005	
3/16/2018			0.003 (J)				
3/19/2018							<0.005
9/13/2018	0.0041 (J)	<0.01	0.0017 (J)	<0.01	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.01		0.0023 (J)			
3/18/2019	0.0022 (J)				<0.005		
3/19/2019			0.018			0.0017 (J)	
3/20/2019							<0.005
9/11/2019	0.0038 (J)		0.0015 (J)	0.00165 (JD)	0.00063 (J)	0.002 (J)	
9/12/2019		0.0014 (J)					
9/16/2019							<0.005
3/9/2020		0.0012 (J)	0.0023 (J)	0.0023 (J)		0.00096 (J)	
3/10/2020	0.0035 (J)						
3/11/2020					0.0012 (J)		
3/16/2020							0.00078 (J)
9/11/2020					<0.005		
9/14/2020	0.006 (J)	0.0022 (J)		0.0024 (J)		<0.005	
9/15/2020			0.0017 (J)				
9/16/2020							<0.005
3/11/2021	0.0059	0.0013 (J)	0.0019 (J)	0.0021 (J)			
3/15/2021					0.00076 (J)	<0.005	
3/17/2021							0.00069 (J)
5/26/2021	0.0052						
8/4/2021				0.0018 (J)			
8/5/2021	0.0057	0.0014 (J)	0.0022 (J)			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	0.0051			0.002 (J)			
2/1/2022		0.0015 (J)	0.0022 (J)		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	0.006	0.0015 (J)	0.0013 (J)	0.0019 (J)	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	0.005 (J)	0.0018 (J)	0.0027 (J)	0.0019 (J)	<0.005	<0.005	
2/20/2023							<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.005
10/25/2007	0.002					
11/1/2007						0.0061
11/19/2007						0.018 (J)
11/20/2007	0.017					
1/15/2008						0.078 (O)
1/23/2008	0.064 (O)					
3/6/2008						0.054 (O)
3/11/2008	0.013					
5/13/2008						0.0085
5/14/2008	0.027					
12/11/2008	<0.01					
12/12/2008						0.0023
4/16/2009						<0.005
4/23/2009	<0.01					
10/9/2009	0.0014					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.01					
9/29/2010						<0.005
10/11/2010	0.0027					
4/13/2011						<0.005
4/26/2011	0.0015					
10/5/2011						<0.005
10/18/2011	<0.01			<0.01		
4/4/2012						<0.005
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.005
4/8/2013				<0.01		<0.005
4/10/2013	0.0013					
10/8/2013	0.0017					
10/9/2013				0.0019		0.0013
4/9/2014						<0.005
4/10/2014				0.0034		
4/14/2014	0.004					
9/30/2014						<0.005
10/2/2014				0.0056		
10/3/2014	0.0017					
4/1/2015	0.0027					
4/2/2015						<0.005
4/3/2015				0.0022		
5/26/2015		0.0015			<0.005	
6/18/2015		0.0013 (D)			0.0024 (D)	
7/2/2015		0.0014			<0.005	
10/8/2015				0.0033	<0.005	
10/9/2015	0.0016	0.0015				
10/10/2015						0.00115 (JD)
3/22/2016					0.00302 (J)	
3/29/2016	0.00363 (J)	<0.01				

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.00308 (J)		<0.005
5/24/2016	0.00263 (J)	<0.01		<0.01		
5/25/2016					0.00441 (J)	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.01	<0.01				
8/2/2016			<0.005	<0.01	<0.005	
8/5/2016						<0.005
9/26/2016	0.0014 (J)	0.002 (J)			0.002 (J)	
9/27/2016			<0.005	<0.01		
9/28/2016						<0.005
11/14/2016		<0.01				
11/18/2016	<0.01					
11/21/2016			<0.005		0.0017 (J)	<0.005
11/22/2016				<0.01		
2/1/2017	0.0024 (J)	0.0017 (J)	<0.005			
2/3/2017					0.0018 (J)	
2/6/2017				<0.01		<0.005
4/6/2017	<0.01	<0.01	<0.005	<0.01		<0.005
4/7/2017					<0.005	
6/13/2017	0.0031 (J)	0.0015 (J)	<0.005		0.0019 (J)	<0.005
6/14/2017				0.0009 (J)		
7/14/2017			<0.005			
10/3/2017	0.0025 (J)	0.0018 (J)	<0.005		0.0022 (J)	<0.005
10/4/2017				<0.01		
3/19/2018	0.0035 (J)					
3/20/2018		0.0017 (J)	<0.005		0.0017 (J)	<0.005
3/21/2018				<0.01		
9/17/2018	0.0024 (J)	0.002 (J)				
9/18/2018			<0.005	<0.01	<0.005	<0.005 (D)
3/21/2019	0.0029 (J)	0.0025 (J)	<0.005			<0.005
3/27/2019				0.0021 (J)		
5/6/2019					0.0048 (J)	
9/13/2019			<0.005			
9/16/2019	0.002 (J)	0.002 (J)		0.000465 (JD)	0.002 (J)	<0.005
3/12/2020	0.0034 (J)	0.0028 (J)	0.0014 (J)	0.0031 (J)		0.00045 (J)
3/16/2020					0.0015 (J)	
9/16/2020	0.0022 (J)	0.0023 (J)	<0.005			
9/17/2020				0.00086 (J)	0.0017 (J)	<0.005
3/17/2021	0.0027 (J)	0.0021 (J)	<0.005	0.00079 (J)		
3/18/2021					0.0015 (J)	<0.005
8/10/2021	0.0027 (J)	0.0021 (J)	<0.005	0.0014 (J)	0.0019 (J)	<0.005
2/2/2022	0.0026 (J)	0.0024 (J)	<0.005	0.0015 (J)	0.0021 (J)	<0.005
8/17/2022	0.0025 (J)	0.0024 (J)	<0.005	0.0011 (J)	0.0014 (J)	<0.005
2/17/2023	0.0031 (J)	0.0022 (J)				
2/20/2023			0.0012 (J)		<0.005	
2/21/2023				0.0053		<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			0.0033	
10/23/2007	<0.005						
10/24/2007		0.013	<0.005				
11/2/2007						0.0046	
11/18/2007	<0.005	0.0041	<0.005			0.0057	
1/30/2008	0.0045						
1/31/2008		<0.005	0.0083 (O)			0.0055	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				0.0033	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						0.0044	
12/4/2008		0.012	<0.005				
12/5/2008	<0.005					0.0035	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	0.0041	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						0.0013 (J)	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						0.00081 (J)	
3/30/2015	0.0012 (J)	<0.005	<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0021	
10/12/2015						0.00078 (J)	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					0.00503 (J)		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					0.0114		<0.005
5/16/2016				0.00313 (JD)			
5/19/2016	<0.005		<0.005				
5/20/2016		<0.005					
5/23/2016						<0.005	
7/19/2016					0.0013 (J)		
7/21/2016							<0.005
7/27/2016				0.0057 (JD)			
7/29/2016	0.0004 (J)	<0.005	<0.005			0.0007 (J)	
9/15/2016					0.002 (J)		<0.005
9/22/2016			<0.005			0.0007 (J)	
9/23/2016	<0.005	<0.005					
11/2/2016					0.0005 (J)		
11/3/2016							<0.005
11/9/2016	<0.005	<0.005					
11/10/2016			<0.005			0.0007 (J)	
1/17/2017							<0.005
1/18/2017					0.0015 (J)		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			0.0007 (J)	
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005 (D)			
3/28/2017					0.0025 (J)		
3/30/2017	<0.005	<0.005				0.0007 (J)	
4/3/2017			<0.005				
5/24/2017							<0.005
6/7/2017					0.0023 (J)		
6/8/2017				<0.005 (D)			
6/9/2017	<0.005		<0.005				
6/12/2017		<0.005				0.0007 (J)	
7/17/2017				<0.005 (D)			
7/27/2017				<0.005			
8/9/2017				<0.005			
9/26/2017					0.0011 (J)		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						0.0006 (J)	
3/14/2018					0.00058 (J)		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		<0.005				0.00059 (J)	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					0.00057 (J)	
3/13/2019							<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	0.00078 (J)	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	0.00047 (J)	<0.005 (D)					
9/13/2019			<0.005			0.00046 (J)	
3/9/2020				<0.005	0.00075 (J)		<0.005
3/11/2020	0.00037 (J)	<0.005	<0.005			0.00041 (J)	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	0.00048 (J)	<0.005	0.001 (J)				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					0.00079 (J)		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.0016 (J)			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	0.00093 (J)				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	0.0004 (J)	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	0.00065 (J)				
2/17/2023						<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							<0.005
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		0.0006 (J)					
7/22/2016			0.0004 (J)				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
1/30/2017							<0.005
2/22/2017						<0.01	
3/24/2017	<0.005						
3/27/2017		0.0005 (J)	<0.005				
3/28/2017				<0.005	<0.005		
4/7/2017						0.0018 (J)	<0.005
6/6/2017	<0.005	<0.005		<0.005	<0.005		
6/7/2017			<0.005				
6/12/2017							<0.005
6/14/2017						0.0045 (JD)	
7/12/2017						0.0046 (JD)	
7/20/2017						0.0109 (D)	
7/28/2017						0.0104	
8/9/2017						0.0022 (J)	
8/24/2017						0.0076 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	0.0006 (J)					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						0.0028 (JD)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						0.014	
9/12/2018	<0.005	0.0011 (J)		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						0.017	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						0.022 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						0.02 (D)	
9/13/2019							<0.005
3/6/2020	<0.005		0.00039 (J)				
3/9/2020		<0.005		0.00039 (J)	<0.005		
3/11/2020							<0.005
3/12/2020						0.013	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						0.019	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						0.015	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						0.011	
1/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
2/1/2022							<0.005
2/3/2022						0.0059	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						0.015	
2/13/2023	<0.005	<0.005	0.00039 (J)		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						0.017	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	0.0031	<0.005	<0.0013	0.01
11/1/2007		<0.005	<0.005	0.0034	<0.005	0.0041	<0.005
11/18/2007				0.0045	<0.005		
11/19/2007						0.0055	<0.005
11/20/2007		0.0046	<0.005				
1/16/2008						0.008	
1/30/2008		0.0079	<0.005	0.0027	<0.005		
1/31/2008							0.0037
3/5/2008				<0.005		0.98 (O)	<0.005
3/6/2008		0.0037	<0.005		0.11 (O)		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						0.01	
12/12/2008	<0.005						
12/13/2008		0.013				0.0073	0.011
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						0.0033	
4/23/2009	0.0029						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	<0.005		
10/6/2009	<0.005						
10/20/2009		<0.005					
10/21/2009			<0.005			0.0039	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						0.0044	
4/28/2010							<0.005
5/3/2010	<0.005						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						0.005	<0.005
10/11/2010	<0.005						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						0.0039	<0.005
4/27/2011	0.0028						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						0.0032	
10/18/2011							<0.005
10/19/2011	<0.005						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.0013	
4/25/2012							<0.005
5/1/2012	<0.005						
10/2/2012	<0.005					<0.0013	<0.005
10/3/2012		0.0018		0.0037	<0.005		
10/8/2012			<0.005				
4/2/2013						0.0038	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0014	<0.005	<0.005	<0.005		
4/10/2013	0.0014						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	0.003	
10/15/2013		0.0018	<0.005				
10/16/2013	0.0014						
4/1/2014						0.0027	<0.005
4/2/2014				0.0036	<0.005		
4/9/2014		0.0013 (J)	<0.005				
4/22/2014	0.0013						
10/1/2014	<0.005						<0.005
10/2/2014		<0.005	<0.005	0.016	<0.005	0.0027	
3/30/2015	0.00079 (J)						
4/1/2015				<0.005	0.0026	0.0028	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	<0.005			<0.005	0.00065 (J)		
10/12/2015			<0.005				
10/14/2015						0.003	
10/15/2015							0.00051 (J)
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	0.00351 (J)	<0.005
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	<0.005	<0.005		
5/27/2016						0.00332 (J)	
5/31/2016							<0.005
8/1/2016	<0.005						
8/3/2016			<0.005	<0.005		0.003 (J)	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	<0.005	<0.005		
9/29/2016							<0.005
9/30/2016						0.0035 (J)	
11/11/2016	<0.005						
11/22/2016		0.0006 (J)	<0.005	<0.005	<0.005	0.0027 (J)	
11/28/2016							<0.005
1/30/2017	<0.005						
2/7/2017		0.0017 (J)	<0.005				
2/8/2017				<0.005	<0.005		
2/9/2017							<0.005
2/13/2017						0.003 (J)	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						0.0031 (J)	
4/12/2017							<0.005
6/12/2017	<0.005						
6/14/2017		<0.005	<0.005			0.0031 (J)	
6/15/2017				<0.005	<0.005		
6/16/2017							<0.005
10/2/2017	<0.005						

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.005	<0.005	<0.005	<0.005	0.0032 (J)	
10/9/2017							<0.005
3/16/2018	<0.005						
3/20/2018		0.0021 (J)					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	0.0033 (J)	
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	0.0031 (J)	
9/19/2018							<0.005
3/19/2019	<0.005						
3/22/2019		0.0011 (J)	<0.005				
3/23/2019				<0.005	<0.005	0.0032 (J)	<0.005
9/12/2019	<0.005						
9/17/2019		<0.005	<0.005	<0.005	<0.005	0.00305 (D)	
9/18/2019							0.0005 (J)
3/11/2020	<0.005						
3/12/2020		0.0017 (J)	<0.005	<0.005	<0.005	0.0031 (J)	
3/13/2020							<0.005
9/15/2020	<0.005						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	0.0029 (J)	
9/22/2020							<0.005
3/17/2021	<0.005						
3/18/2021		0.001 (J)	<0.005				<0.005
3/19/2021				<0.005	<0.005	0.0029 (J)	
8/9/2021	<0.005						
8/10/2021		0.00075 (J)					
8/11/2021			<0.005	<0.005	<0.005	0.0026 (J)	<0.005
2/2/2022	<0.005					0.0034 (J)	
2/4/2022		0.0018 (J)	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	<0.005	0.00051 (J)					
8/18/2022			<0.005	<0.005	<0.005	0.0028 (J)	<0.005
2/16/2023	<0.005						
2/20/2023		0.0026 (J)	<0.005	<0.005	<0.005		
2/21/2023						0.0029 (J)	
2/22/2023							<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		0.0039	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	0.0029			
1/31/2008	<0.005						
3/5/2008	<0.005	0.005					
3/6/2008			<0.005				
3/10/2008				0.069 (O)			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		0.011	<0.005	0.0027			
12/12/2008	0.0079						
4/16/2009		0.005					
4/28/2009			<0.005	<0.005			
4/29/2009	<0.005						
10/19/2009			<0.005				
10/20/2009		0.0074		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	<0.005						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					0.002 (J)	<0.01	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.01	<0.01 (D)	<0.005 (D)
5/31/2016			<0.005	<0.005			
6/1/2016	<0.005	<0.005					
7/25/2016					0.0015 (J)	0.0017 (JD)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		0.0003 (J)					
9/19/2016					0.0014 (J)	0.0017 (JD)	<0.005 (D)
9/29/2016			<0.005				
11/3/2016					0.0013 (J)		<0.005 (D)
11/4/2016						0.0013 (JD)	
11/23/2016			<0.005	<0.005			
11/28/2016		<0.005					
1/19/2017					0.0013 (J)		
1/20/2017							<0.005 (D)
1/23/2017						0.0013 (JD)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	<0.005						
3/28/2017					0.0019 (J)		
3/29/2017						0.0013 (JD)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			0.0006 (J)				
6/5/2017					0.0022 (J)		
6/7/2017						0.0011 (J)	<0.005
6/14/2017		<0.005					
6/15/2017			0.0004 (J)	<0.005			
6/16/2017	<0.005						
7/12/2017	<0.005	<0.005		<0.005			
7/26/2017				<0.005			
7/28/2017	<0.005						
8/10/2017	<0.005						
9/26/2017					0.0018 (J)		
9/27/2017						0.0013 (J)	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		<0.005	<0.005			
3/15/2018					0.0018 (J)	0.0012 (J)	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					0.0016 (J)		
9/13/2018						0.001 (J)	<0.005
9/19/2018		0.00058 (J)	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					0.0022 (J)	0.0015 (JD)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					0.0018 (J)	0.0014 (JD)	<0.005 (D)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	<0.005						
3/10/2020					0.0021 (J)	0.0012 (J)	<0.005
3/13/2020		<0.005	<0.005	<0.005			
3/17/2020	<0.005						
9/11/2020						0.0012 (J)	<0.005
9/15/2020					0.0015 (J)		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					0.0016 (J)	0.0011 (J)	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					0.0016 (J)		
8/6/2021						0.0011 (J)	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					0.0017 (J)		
2/1/2022						0.0013 (J)	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						0.0011 (J)	<0.005
8/15/2022					0.0014 (J)		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.0014 (J)	0.0012 (J)	<0.005
2/22/2023	<0.005	<0.005	<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							0.0073
3/11/2008							0.0025
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							<0.005
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							0.0024
4/11/2013							0.002
10/16/2013							0.0023
4/23/2014							0.003
10/3/2014							0.0034
3/31/2015							0.00079 (J)
10/12/2015							0.00063 (J)
3/10/2016	<0.005	<0.005	<0.005	0.00235 (J)			
3/17/2016					<0.005	<0.01	
3/28/2016							<0.005
5/17/2016	<0.005			0.0025 (J)			
5/18/2016		<0.005	<0.005		<0.005	<0.01	
5/25/2016							<0.005
7/26/2016	0.0006 (J)						
7/27/2016		<0.005	<0.005	0.0014 (J)	<0.005		
7/28/2016						0.0026 (J)	
8/1/2016							0.0005 (J)
9/20/2016	<0.005	<0.005	<0.005	0.0015 (J)			
9/21/2016					<0.005	0.0044 (J)	
9/27/2016							<0.005
11/4/2016	<0.005		<0.005	0.0014 (J)	<0.005		
11/7/2016		<0.005				0.0044 (J)	
11/11/2016							0.0006 (J)
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.01			
1/24/2017					<0.005	0.0049 (J)	
1/31/2017							0.0007 (J)
3/28/2017	<0.005			0.0015 (J)			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						0.0041 (J)	
4/3/2017							0.0005 (J)
6/7/2017	<0.005						
6/8/2017		<0.005	<0.005	0.0016 (J)	<0.005		
6/9/2017						0.0054 (J)	
6/12/2017							0.0004 (J)
9/27/2017		<0.005	<0.005				
9/29/2017	<0.005			0.0015 (J)	<0.005	0.0038 (J)	
10/3/2017							0.0003 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.005	<0.005		0.0013 (J)	<0.005	0.0026 (J)	
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	<0.005	0.0013 (J)	<0.005		
9/14/2018						0.0017 (J)	
9/17/2018							<0.005
3/15/2019		<0.005		0.0012 (J)			
3/18/2019	<0.005				<0.005		
3/19/2019			<0.005			0.00069 (J)	
3/20/2019							<0.005
9/11/2019	<0.005		<0.005	0.00135 (JD)	<0.005	0.00075 (J)	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	<0.005	0.0016 (J)		0.0028 (J)	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							0.00031 (J)
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		0.0017 (J)		0.0014 (J)	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	0.0025 (J)			
3/15/2021					<0.005	0.00056 (J)	
3/17/2021							<0.005
8/4/2021				0.0017 (J)			
8/5/2021	<0.005	<0.005	<0.005			0.0025 (J)	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			0.0021 (J)			
2/1/2022		<0.005	<0.005		<0.005	0.00066 (J)	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	0.0027 (J)	<0.005	0.0015 (J)	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	0.0025 (J)	<0.005	0.00096 (J)	
2/20/2023							<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	0.0038					
11/1/2007						<0.005
11/19/2007						0.0034
11/20/2007	<0.005					
1/15/2008						0.0067
1/23/2008	0.0047					
3/6/2008						0.13 (O)
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						0.0042
4/16/2009						0.0047
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						0.0037
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		0.0013
4/9/2014						0.0013 (J)
4/10/2014				0.0013 (J)		
4/14/2014	0.0013 (J)					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	0.00071 (J)					
4/1/2015	<0.005					
4/2/2015						0.00064 (J)
4/3/2015				<0.005		
5/26/2015		<0.005			0.0018	
6/18/2015		<0.005 (D)			0.0018 (D)	
7/2/2015		<0.005			0.0013	
10/8/2015				0.0014	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						0.0015 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			0.0018 (J)	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			0.0011 (J)	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			0.0008 (J)		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	0.0008 (J)			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	<0.005	<0.005	0.0008 (J)	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	0.0007 (J)		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			0.0005 (J)			
10/3/2017	<0.005	<0.005	0.0007 (J)		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	0.00076 (J)		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			0.00055 (J)	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	0.00059 (J)			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			0.00099 (J)			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	<0.005
3/12/2020	<0.005	<0.005	0.00031 (J)	<0.005		0.00044 (J)
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	0.00072 (J)			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	<0.005	0.00045 (J)	<0.005		
3/18/2021					<0.005	<0.005
8/10/2021	<0.005	<0.005	0.00087 (J)	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	0.00042 (J)	<0.005	<0.005	0.00043 (J)
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.00043 (J)
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		0.00043 (J)

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	0.0066	<0.005	0.0036			0.017	
10/23/2007	0.0076						
10/24/2007		0.0088	<0.005				
11/2/2007						0.016	
11/18/2007	0.0055 (J)	0.0075	0.013			0.048	
1/30/2008	0.0094						
1/31/2008		<0.005	0.0069			0.039	
3/10/2008	0.0056		0.0044				
3/11/2008		0.0068				0.037	
5/6/2008		<0.005					
5/13/2008	0.0027		0.0033				
5/14/2008						0.051	
12/4/2008		0.013	<0.005				
12/5/2008	<0.005					0.038	
4/15/2009	<0.005					0.033	
4/21/2009		<0.005	<0.005				
10/7/2009	0.0076	<0.005					
10/8/2009			<0.005			0.037	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						0.037	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		0.0027					
10/6/2010						0.041	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		0.0029					
4/21/2011						0.034	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						0.048	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						0.0427	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			0.038	
4/11/2013			<0.005			0.038	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			0.036	
4/10/2014			0.005 (J)				
4/11/2014	0.005 (J)						
4/22/2014		<0.005					
4/23/2014						0.03	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						0.029	
3/30/2015	0.0033 (J)	<0.005	<0.005				

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.026	
10/12/2015						0.05	
10/13/2015	0.0013 (J)	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			0.0297	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005			
7/19/2016					0.0005 (J)		
7/21/2016							<0.005
7/27/2016				0.0271 (o)			
7/29/2016	<0.005	0.0032 (J)	0.0006 (J)			0.0419	
9/15/2016					<0.005		<0.005
11/2/2016					<0.005		
11/3/2016							<0.005
1/17/2017							<0.005
1/18/2017					<0.005		
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005			
3/28/2017					<0.005 (*)		
3/30/2017	0.0004 (J)	<0.005				0.0392	
4/3/2017			0.0004 (J)				
9/26/2017					0.0005 (J)		<0.005
9/29/2017				<0.005			
10/2/2017	0.0003 (J)	<0.005	0.0003 (J)				
10/4/2017						0.0343	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		0.0025 (J)				0.033	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	0.002 (J)			
9/17/2018	<0.005 (D)					0.033	
3/13/2019							<0.005
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				0.026	
9/9/2019					<0.005		0.0022 (J)
9/12/2019	<0.005	0.01273 (JD)					
9/13/2019			0.00055 (J)			0.026	
3/9/2020				0.011 (J)	0.0007 (J)		<0.005
3/11/2020	<0.005	0.0002 (J)	0.0011 (J)			0.027	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	<0.005				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.0013 (J)			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	0.00096 (J)				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	0.0011 (J)				
2/17/2023						<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.018
4/23/2009							0.013
10/6/2009							0.012
4/27/2010							0.0095
9/30/2010							0.0087
4/14/2011							0.0061
10/5/2011							<0.025
4/11/2012							<0.025
10/2/2012							<0.025
4/9/2013							0.0053
10/15/2013							0.0076
4/10/2014							0.005
10/1/2014							0.0047 (J)
3/30/2015							0.0048 (J)
10/11/2015							0.0055
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.025
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		0.0005 (J)					
7/22/2016			<0.005				
8/1/2016							0.0025 (J)
9/15/2016	0.0007 (J)						
9/16/2016				<0.005	<0.005		
9/19/2016			0.003 (J)				
9/21/2016		<0.005					
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
3/24/2017	<0.005						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005 (*)	<0.005 (*)		
4/7/2017						0.0004 (J)	0.003 (J)
9/22/2017				0.0004 (J)	0.0006 (J)		
9/25/2017	0.0003 (J)	0.0007 (J)					
9/26/2017			<0.005				
10/2/2017							0.0031 (J)
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	0.0021 (J)	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							0.0037 (J)
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							0.0028 (J)
9/18/2018						<0.005	
3/13/2019				<0.005	0.0015 (J)		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.005	0.0022 (J)	<0.005				
3/19/2019							0.0023 (J)
3/21/2019						<0.005 (D)	
9/10/2019	0.00038 (JD)	0.0022 (J)	<0.005				
9/11/2019				0.00036 (J)	0.00026 (J)		
9/12/2019						0.00045 (JD)	
9/13/2019							0.0023 (J)
3/6/2020	0.00093 (J)		0.00019 (J)				
3/9/2020		0.0014 (J)		0.00035 (J)	0.00035 (J)		
3/11/2020							0.0026 (J)
3/12/2020						0.0002 (J)	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							0.0018 (J)
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							0.0019 (J)
8/4/2021	<0.005	0.0008 (J)	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							0.0017 (J)
8/10/2021						<0.005	
1/31/2022	<0.005	0.0028 (J)	<0.005	0.0014 (J)	<0.005		
2/1/2022							0.0017 (J)
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							0.0014 (J)
8/17/2022						<0.005	
2/13/2023	<0.005	0.0012 (J)	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							0.0015 (J)
2/17/2023						<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.0058	0.007	<0.005	0.0032	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	0.0031	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						0.0029	0.0035
11/20/2007		0.006	0.0032				
1/16/2008						0.0067	
1/30/2008		0.0037	0.0039	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		0.0058	<0.005
3/6/2008		0.004	<0.005		<0.005		
5/7/2008				0.0037	0.0029		
5/8/2008			0.0039				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	0.064 (O)						
12/13/2008		0.0051				<0.005	0.0028
12/14/2008			0.0046	<0.005	<0.005		
4/16/2009						0.0032	
4/23/2009	0.034						
4/28/2009							<0.005
4/29/2009		0.003	<0.005	<0.005	<0.005		
10/6/2009	0.026						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.005	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						0.0034	
4/28/2010							<0.005
5/3/2010	0.014						
9/28/2010			<0.005	0.0028			
9/29/2010		<0.005			<0.005		
10/5/2010						<0.005	<0.005
10/11/2010	0.014						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	0.028						
10/4/2011			<0.005	0.013	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.013						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.005	
4/25/2012							<0.005
5/1/2012	0.0198						
10/2/2012	0.011					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						0.0063	<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.005	<0.005	<0.005	<0.005		
4/10/2013	0.018						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.005	
10/15/2013		<0.005	<0.005				
10/16/2013	0.016						
4/1/2014						<0.005	<0.005
4/2/2014				<0.005	0.005 (J)		
4/9/2014		<0.005	<0.005				
4/22/2014	0.014						
10/1/2014	0.0041 (J)						<0.005
10/2/2014		<0.005	<0.005	0.00084 (J)	0.0022 (J)	<0.005	
3/30/2015	0.012						
4/1/2015				<0.005	0.019	<0.005	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		0.0027 (J)					
10/11/2015	0.0049 (J)			<0.005	0.013		
10/12/2015			<0.005				
10/14/2015						0.0017 (J)	
10/15/2015							<0.005
3/28/2016	0.00734 (J)						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	<0.005	<0.005
8/1/2016	0.0049 (J)						
8/3/2016			<0.005	<0.005		<0.005	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
4/3/2017	0.0023 (J)						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						0.0003 (J)	
4/12/2017							0.0003 (J)
10/2/2017	0.0023 (J)						
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005	
10/9/2017							0.0005 (J)
3/16/2018	0.0035 (J)						
3/20/2018		<0.005					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	<0.005	
9/18/2018	0.0041 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	
9/19/2018							<0.005
3/19/2019	0.0029 (J)						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	<0.005	<0.005	<0.005
9/12/2019	0.0028 (J)						
9/17/2019		<0.005	0.00029 (J)	<0.005	0.00031 (J)	<0.005 (D)	
9/18/2019							0.00057 (J)
3/11/2020	0.0035 (J)						
3/12/2020		<0.005	<0.005	0.00023 (J)	0.00032 (J)	<0.005	
3/13/2020							0.00033 (J)
9/15/2020	0.0031 (J)						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.005
3/17/2021	0.0024 (J)						
3/18/2021		<0.005	<0.005				<0.005
3/19/2021				<0.005	0.0018 (J)	<0.005	
8/9/2021	0.0028 (J)						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	0.0033 (J)					<0.005	
2/4/2022		<0.005	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	0.0098	<0.005					
8/18/2022			<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2023	0.0028 (J)						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						<0.005	
2/22/2023							<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		0.0048 (J)		0.021			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	0.0037			
11/17/2007		0.0031	0.02				
11/18/2007				0.007 (J)			
11/19/2007	0.0043						
1/15/2008		0.0033	0.0043	0.0055			
1/31/2008	<0.005						
3/5/2008	<0.005	0.0026					
3/6/2008			<0.005				
3/10/2008				0.0042			
5/7/2008	<0.005	0.0028	0.0026				
5/13/2008				<0.005			
12/2/2008		0.0029	<0.005	0.0039			
12/12/2008	0.013						
4/16/2009		0.0035					
4/28/2009			0.003	<0.005			
4/29/2009	0.0029						
10/19/2009			<0.005				
10/20/2009		0.0056		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	0.0032						
9/29/2010		<0.005					
10/4/2010			0.0025				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	0.005 (J)						
4/21/2014		<0.005	<0.005	0.005 (J)			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		0.0012 (J)	0.00093 (J)				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.005	<0.005 (D)	<0.005 (D)
7/25/2016					0.0005 (J)	<0.005 (D)	<0.005 (D)
8/4/2016			0.0007 (J)				
8/9/2016		<0.005					
9/19/2016					<0.005	0.0032 (JD)	<0.005 (D)
11/3/2016					<0.005		<0.005 (D)
11/4/2016						0.0006 (JD)	
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						0.0008 (JD)	
3/28/2017					<0.005 (*)		
3/29/2017						0.0005 (JD)	0.0022 (JD)
4/11/2017	<0.005	<0.005		0.0003 (J)			
4/12/2017			<0.005				
9/26/2017					0.0006 (J)		
9/27/2017						0.0014 (J)	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		0.0003 (J)	<0.005			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					0.00043 (J)	0.012 (JD)	<0.005 (D)
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	0.00021 (X)						
3/10/2020					0.00067 (J)	0.00031 (J)	<0.005
3/13/2020		<0.005	0.00029 (J)	0.0002 (J)			
3/17/2020	0.00045 (J)						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					0.0006 (J)		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					0.00053 (J)		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.0054	<0.005	<0.005
2/22/2023	0.0014 (J)	<0.005	<0.005	<0.005			

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0064
10/25/2007							0.0081
11/19/2007							0.0059
1/23/2008							0.018
3/11/2008							0.027
5/12/2008							0.016
12/11/2008							0.016
4/15/2009							0.017
10/9/2009							0.045
5/4/2010							0.031
10/12/2010							0.024
4/28/2011							0.0044
10/19/2011							0.038
5/2/2012							0.0865 (O)
10/9/2012							0.053
4/11/2013							0.04
10/16/2013							0.054
4/23/2014							0.054
10/3/2014							0.066
3/31/2015							0.025
10/12/2015							0.018
3/10/2016	<0.005	<0.005	<0.005	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							0.0256
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	<0.005		<0.005	<0.005	
7/26/2016	<0.005						
7/27/2016		<0.005	<0.005	<0.005	<0.005		
7/28/2016						0.0007 (J)	
8/1/2016							0.0178 (J)
9/20/2016	0.0008 (J)	0.0011 (J)	0.001 (J)	0.0018 (J)			
9/21/2016					<0.005	0.0018 (J)	
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
3/28/2017	<0.005			<0.005 (*)			
3/29/2017		0.0003 (J)	0.0003 (J)		<0.005		
3/30/2017						0.0003 (J)	
4/3/2017							0.0272
9/27/2017		<0.005	0.0011 (J)				
9/29/2017	<0.005			0.0003 (J)	<0.005	<0.005	
10/3/2017							0.0239 (J)
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	
3/16/2018			<0.005				
3/19/2018							0.021 (J)
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							0.018 (J)
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			<0.005			<0.005	
3/20/2019							0.023 (J)
9/11/2019	<0.005		0.0008 (J)	0.000535 (JD)	<0.005	0.00021 (J)	
9/12/2019		<0.005					
9/16/2019							0.016 (J)
3/9/2020		<0.005	0.00032 (J)	0.00035 (J)		0.00035 (J)	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							0.012 (J)
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							0.017 (J)
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							0.019
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	<0.005			0.00061 (J)	
8/9/2021							0.026
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							0.024
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							0.021
2/14/2023	<0.005	0.0016 (J)	<0.005	<0.005	<0.005	<0.005	
2/20/2023							0.023

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.0033					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						0.0047
11/19/2007						0.0067 (J)
11/20/2007	0.0052					
1/15/2008						0.01
1/23/2008	0.0069					
3/6/2008						0.007
3/11/2008	0.0029					
5/13/2008						<0.005
5/14/2008	0.0035					
12/11/2008	<0.005					
12/12/2008						0.0048
4/16/2009						0.0042
4/23/2009	0.0038					
10/9/2009	0.0032					
10/13/2009						0.0034
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	0.0029					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	0.005 (J)					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	0.00091 (J)					
4/1/2015	0.0011 (J)					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.002 (J)	0.00091 (J)	
10/9/2015	<0.005	<0.005				
10/10/2015						0.00345 (JD)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
8/1/2016	<0.005	<0.005				
8/2/2016			<0.005	<0.005	<0.005	
8/5/2016						<0.005
4/6/2017	<0.005	<0.005	0.0004 (J)	<0.005		0.0003 (J)
4/7/2017					<0.005	
10/3/2017	<0.005	<0.005	0.0006 (J)		0.0003 (J)	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	0.0018 (J)	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			0.00025 (J)			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	0.00021 (J)
3/12/2020	<0.005	0.00028 (J)	0.00021 (J)	<0.005		0.00031 (J)
3/16/2020					0.00024 (J)	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	<0.005	<0.005	<0.005		
3/18/2021					<0.005	<0.005
8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		<0.005

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					0.0657 (J)		
3/15/2016							0.0267 (J)
3/22/2016	0.0614 (J)						
3/23/2016		0.0477 (J)	0.0826 (J)			<0.1	
5/11/2016					0.0401 (J)		0.0255 (J)
5/16/2016				0.0202 (JD)			
5/19/2016	0.064 (J)		0.0409 (J)				
5/20/2016		0.033 (J)					
5/23/2016						<0.1	
7/19/2016					<0.1		
7/21/2016							<0.1
7/27/2016				0.08 (JD)			
7/29/2016	0.11 (J)	0.16 (J)	0.07 (J)			<0.1	
9/15/2016					<0.1		
9/19/2016							<0.1
9/22/2016			<0.1			<0.1	
9/23/2016	0.03 (J)	0.1 (J)					
11/2/2016					0.04 (J)		
11/3/2016							0.11 (J)
11/9/2016	0.1 (J)	0.04 (J)					
11/10/2016			0.03 (J)			<0.1	
1/17/2017							0.02 (J)
1/18/2017					0.03 (J)		
1/30/2017	<0.1						
1/31/2017		<0.1	<0.1			<0.1	
2/21/2017				0.17 (JD)			
3/24/2017							<0.1
3/27/2017				0.09 (JD)			
3/28/2017					0.06 (J)		
3/30/2017	0.01 (J)	0.02 (J)				<0.1	
4/3/2017			0.02 (J)				
5/24/2017							<0.1
6/7/2017					0.06 (J)		
6/8/2017				0.05 (JD)			
6/9/2017	0.04 (J)		0.06 (J)				
6/12/2017		0.17 (J)				<0.1	
7/17/2017				0.05 (JD)			
7/27/2017				0.08 (JD)			
8/9/2017				<0.1 (*)			
9/26/2017					0.04 (J)		<0.1
9/29/2017				0.04 (JD)			
10/2/2017	0.07 (J)	<0.1	<0.1				
10/4/2017						<0.1	
3/14/2018					0.14 (J)		0.055 (J)
3/16/2018	0.029 (J)		<0.1	0.27 (J)			
3/19/2018		1.1 (O)				<0.1	
9/12/2018					<0.1		<0.1
9/14/2018		<0.1	<0.1	0.1 (J)			
9/17/2018	<0.1 (D)					<0.1	
3/13/2019							0.045 (X)
3/14/2019				0.066 (X)			
3/15/2019					<0.1		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/19/2019			0.056 (J)				
3/20/2019	<0.1	<0.1				<0.1	
9/9/2019					0.054 (X)		<0.1
9/10/2019				0.055 (X)			
9/12/2019	0.051 (J)	<0.1 (D)					
9/13/2019			0.055 (J)			<0.1	
3/9/2020				<0.1	<0.1		<0.1
3/11/2020	0.052 (J)	<0.1	0.052 (J)			<0.1	
9/10/2020					<0.1		
9/11/2020							<0.1
9/15/2020	0.05 (J)	<0.1	<0.1				
9/16/2020				<0.1			
3/10/2021							<0.1
3/12/2021					0.051 (J)		
3/16/2021	<0.1		<0.1	<0.1			
3/17/2021		<0.1					
3/29/2021						0.053 (J)	
8/4/2021					<0.1		<0.1
8/6/2021				<0.1			
8/9/2021	<0.1	<0.1	<0.1			0.055 (J)	
1/31/2022					<0.1		<0.1
2/1/2022	<0.1	<0.1	<0.1				
2/2/2022				<0.1		<0.1	
8/10/2022					0.075 (J)		
8/12/2022							0.068 (J)
8/16/2022	0.089 (J)	0.086 (J)	0.09 (J)	<0.1		0.082 (J)	
2/13/2023					0.064 (J)		0.054 (J)
2/14/2023				0.074 (J)			
2/16/2023	0.07 (J)	0.061 (J)	0.079 (J)				
2/17/2023						0.055 (J)	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			0.0296 (J)	0.0329 (J)	0.0141 (J)		
3/15/2016	0.0285 (J)	0.0394 (J)					
3/28/2016							0.0314 (J)
5/12/2016	0.022 (J)						
5/13/2016		0.0234 (J)		0.0459 (J)	0.0141 (J)		
5/16/2016			0.0287 (J)				
5/23/2016							0.027 (J)
7/19/2016				<0.1	<0.1		
7/20/2016	<0.1						
7/21/2016		<0.1					
7/22/2016			0.04 (J)				
8/1/2016							<0.1
9/15/2016	<0.1						
9/16/2016				<0.1	<0.1		
9/19/2016			<0.1				
9/21/2016		<0.1					
9/26/2016							<0.1
11/2/2016				0.04 (J)	0.04 (J)		
11/3/2016	0.05 (J)	0.12 (J)	0.04 (J)				
11/10/2016							0.04 (J)
1/17/2017		0.01 (J)	0.02 (J)				
1/18/2017	0.02 (J)			<0.1	0.02 (J)		
1/30/2017							<0.1
2/22/2017						0.3 (D)	
3/24/2017	<0.1						
3/27/2017		<0.1	<0.1				
3/28/2017				<0.1	<0.1		
4/7/2017						0.19 (JD)	<0.1
6/6/2017	<0.1	<0.1		<0.1	<0.1		
6/7/2017			<0.1				
6/12/2017							0.07 (J)
6/14/2017						0.19 (JD)	
7/12/2017						0.18 (JD)	
7/20/2017						0.17 (JD)	
7/28/2017						0.13 (JD)	
8/9/2017						0.245 (JD)	
8/24/2017						0.16 (JD)	
9/22/2017				<0.1	<0.1		
9/25/2017	<0.1	<0.1					
9/26/2017			<0.1				
10/2/2017							<0.1
10/3/2017						0.17 (JD)	
3/14/2018	<0.1	<0.1	0.06 (J)	<0.1			
3/15/2018					<0.1		
3/16/2018							<0.1
3/21/2018						0.24 (J)	
9/12/2018	<0.1	<0.1		<0.1	<0.1		
9/14/2018			<0.1				
9/17/2018							<0.1
9/18/2018						<0.3	
3/13/2019				<0.1	0.036 (X)		
3/14/2019	0.039 (X)	0.04 (X)	0.058 (X)				

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							<0.1
3/21/2019						0.19 (JD)	
9/10/2019	<0.1	<0.1	<0.1				
9/11/2019				<0.1	<0.1		
9/12/2019						0.1 (JD)	
9/13/2019							<0.1
3/6/2020	<0.1		<0.1				
3/9/2020		<0.1		<0.1	<0.1		
3/11/2020							<0.1
3/12/2020						0.18 (J)	
9/10/2020	<0.1	<0.1	<0.1				
9/11/2020				<0.1			
9/14/2020					<0.1		
9/16/2020							<0.1
9/17/2020						0.12 (J)	
3/10/2021		<0.1					
3/11/2021	<0.1		<0.1	<0.1	<0.1		
3/16/2021						0.1	
3/17/2021							<0.1
8/4/2021	<0.1	<0.1	<0.1				
8/5/2021					<0.1		
8/6/2021				<0.1			
8/9/2021							<0.1
8/10/2021						0.087 (J)	
1/31/2022	<0.1	<0.1	<0.1	<0.1	<0.1		
2/1/2022							<0.1
2/3/2022						0.15	
8/10/2022			0.068 (J)		0.062 (J)		
8/11/2022	<0.1	<0.1		<0.1			
8/16/2022							0.06 (J)
8/17/2022						0.11	
2/13/2023	0.05 (J)	<0.1	0.056 (J)		<0.1		
2/14/2023				0.052 (J)			
2/16/2023							<0.1
2/17/2023						0.11	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	0.0326 (J)						
3/31/2016		0.0389 (J)	0.0209 (J)				
4/4/2016				0.0357 (J)	0.022 (J)	0.035 (J)	0.026 (J)
5/25/2016	0.0285 (J)						
5/26/2016		0.0375 (J)	0.037 (J)	0.042 (J)	0.023 (J)		
5/27/2016						0.032 (J)	
5/31/2016							0.0234 (J)
8/1/2016	<0.1						
8/3/2016			<0.1	0.04 (J)		<0.1	
8/4/2016					0.05 (J)		0.09 (J)
8/5/2016		0.03 (J)					
9/26/2016	<0.1						
9/28/2016		<0.1	0.05 (J)	<0.1	<0.1		
9/29/2016							<0.1
9/30/2016						<0.1	
11/11/2016	<0.1						
11/22/2016		0.04 (J)	0.04 (J)	0.06 (J)	0.04 (J)	0.03 (J)	
11/28/2016							0.08 (J)
1/30/2017	<0.1						
2/7/2017		<0.1	<0.1				
2/8/2017				0.05 (J)	<0.1		
2/9/2017							0.24 (J)
2/13/2017						<0.1	
4/3/2017	0.04 (J)						
4/10/2017		<0.1	<0.1	<0.1	<0.1		
4/11/2017						<0.1	
4/12/2017							<0.1
6/12/2017	0.06 (J)						
6/14/2017		0.02 (J)	<0.1			0.01 (J)	
6/15/2017				0.03 (J)	<0.1		
6/16/2017							0.04 (J)
10/2/2017	<0.1						
10/4/2017		<0.1	<0.1	<0.1	<0.1	<0.1	
10/9/2017							<0.1
3/16/2018	<0.1						
3/20/2018		<0.1					
3/21/2018			<0.1	<0.1			<0.1
3/22/2018					<0.1	<0.1	
9/18/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
9/19/2018							<0.1
3/19/2019	<0.1						
3/22/2019		0.045 (J)	<0.1				
3/23/2019				<0.1	<0.1	<0.1	<0.1
9/12/2019	<0.1						
9/17/2019		<0.1	<0.1	<0.1	<0.1	<0.1 (D)	
9/18/2019							<0.1
3/11/2020	<0.1						
3/12/2020		<0.1	<0.1	<0.1	<0.1	<0.1	
3/13/2020							<0.1
9/15/2020	<0.1						
9/17/2020		<0.1	<0.1				
9/21/2020				<0.1	<0.1	<0.1	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.1
3/17/2021	<0.1						
3/18/2021		<0.1	<0.1				<0.1
3/19/2021				<0.1	<0.1	<0.1	
8/9/2021	<0.1						
8/10/2021		<0.1					
8/11/2021			<0.1	<0.1	<0.1	<0.1	<0.1
2/2/2022	<0.1					<0.1	
2/4/2022		<0.1	<0.1	<0.1	<0.1		
2/17/2022							<0.1
8/17/2022	0.063 (J)	0.094 (J)					
8/18/2022			0.051 (J)	<0.1	<0.1	0.052 (J)	0.061 (J)
2/16/2023	<0.1						
2/20/2023		<0.1	<0.1	<0.1	<0.1		
2/21/2023						0.054 (J)	
2/22/2023							0.06 (J)

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					0.0657 (J)	<0.1	0.0167 (J)
4/4/2016	0.044 (J)						
4/5/2016		0.019 (J)	0.027 (J)	0.053 (J)			
5/16/2016					0.0415 (J)	<0.1 (D)	0.0161 (JD)
5/31/2016			0.0233 (J)	0.0669 (J)			
6/1/2016	0.0338 (J)	0.0148 (J)					
7/25/2016					0.14 (J)	0.02 (JD)	0.14 (JD)
8/4/2016			<0.1				
8/9/2016		0.04 (J)					
9/19/2016					<0.1	<0.1 (D)	<0.1 (D)
9/29/2016			<0.1				
11/3/2016					0.06 (J)		0.08 (JD)
11/4/2016						0.04 (JD)	
11/23/2016			0.04 (J)	0.03 (J)			
11/28/2016		0.07 (J)					
1/19/2017					0.009 (J)		
1/20/2017							0.01 (JD)
1/23/2017						0.006 (JD)	
2/9/2017		0.08 (J)					
2/10/2017			<0.1	<0.1			
2/22/2017	0.22 (J)						
3/28/2017					0.04 (J)		
3/29/2017						<0.1 (D)	<0.1 (D)
4/11/2017	0.16 (J)	<0.1		<0.1			
4/12/2017			<0.1				
6/5/2017					0.06 (J)		
6/7/2017						<0.1	<0.1
6/14/2017		0.01 (J)					
6/15/2017			0.06 (J)	0.02 (J)			
6/16/2017	0.2 (J)						
7/12/2017	0.2 (J)	0.05 (J)		0.04 (J)			
7/20/2017					0.21 (J)		
7/26/2017				0.03 (J)			
7/28/2017	0.18 (J)						
8/10/2017	<0.3						
9/26/2017					0.14 (J)		
9/27/2017						<0.1	<0.1
10/5/2017		<0.1					
10/6/2017	0.14 (J)		<0.1	<0.1			
3/15/2018					0.11 (J)	<0.1	<0.1
3/22/2018		<0.1					
3/23/2018	0.24 (J)		<0.1	<0.1			
9/12/2018					0.062 (J)		
9/13/2018						<0.1	<0.1
9/19/2018		<0.1	<0.1	<0.1			
9/20/2018	<0.3						
3/14/2019					0.13 (X)	<0.1 (D)	0.039 (JXD)
3/22/2019	0.12 (J)	<0.1		<0.1			
3/25/2019			<0.1				
9/11/2019					<0.1	<0.1 (D)	<0.1 (D)
9/17/2019		<0.1	<0.1	<0.1			
9/18/2019	0.17 (X)						

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/10/2020					0.13 (J)	<0.1	<0.1
3/13/2020		<0.1	<0.1	<0.1			
3/17/2020	0.11 (J)						
9/11/2020						<0.1	<0.1
9/15/2020					<0.1		
9/21/2020		<0.1	<0.1	<0.1			
9/22/2020	0.1 (J)						
3/11/2021					<0.1	<0.1	<0.1
3/18/2021		<0.1	<0.1	<0.1			
3/19/2021	0.12						
8/4/2021					<0.1		
8/6/2021						<0.1	<0.1
8/11/2021		<0.1	<0.1	<0.1			
8/12/2021	0.11						
1/31/2022					<0.1		
2/1/2022						<0.1	<0.1
2/4/2022	0.13	<0.1	<0.1				
2/7/2022				<0.1			
8/12/2022						<0.1	0.063 (J)
8/15/2022					0.056 (J)		
8/18/2022		<0.1					
8/19/2022	0.14		0.054 (J)	0.053 (J)			
2/14/2023					0.075 (J)	<0.1	<0.1
2/22/2023	0.15	<0.1	0.05 (J)	<0.1			

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	0.0235 (J)	0.0439 (J)	0.0551 (J)	0.0195 (J)			
3/17/2016					0.0257 (J)	0.017 (J)	
3/28/2016							0.0284 (J)
5/17/2016	0.0281 (J)			0.0156 (J)			
5/18/2016		0.059 (J)	0.065 (J)		0.022 (J)	0.015 (J)	
5/25/2016							0.0207 (J)
7/26/2016	<0.1						
7/27/2016		0.1 (J)	0.09 (J)	<0.1	0.07 (J)		
7/28/2016						0.08 (J)	
8/1/2016							<0.1
9/20/2016	<0.1	0.04 (J)	<0.1	0.03 (J)			
9/21/2016					<0.1	<0.1	
9/27/2016							<0.1
11/4/2016	0.05 (J)		0.04 (J)	0.06 (J)	0.03 (J)		
11/7/2016		0.1 (J)				<0.1	
11/11/2016							0.04 (J)
1/20/2017	0.01 (J)		0.009 (J)				
1/23/2017		0.13 (J)		0.02 (J)			
1/24/2017					<0.1	<0.1	
1/31/2017							<0.1
3/28/2017	<0.1			<0.1			
3/29/2017		0.04 (J)	<0.1		<0.1		
3/30/2017						<0.1	
4/3/2017							<0.1
6/7/2017	<0.1						
6/8/2017		0.05 (J)	<0.1 (*)	0.06 (J)	<0.1 (*)		
6/9/2017						<0.1	
6/12/2017							0.02 (J)
9/27/2017		0.04 (J)	<0.1				
9/29/2017	<0.1			<0.1	<0.1	<0.1	
10/3/2017							<0.1
3/15/2018	<0.1	<0.1		<0.1	<0.1	<0.1	
3/16/2018			0.13 (J)				
3/19/2018							<0.1
9/13/2018	<0.1	0.047 (J)	<0.1	<0.1	<0.1		
9/14/2018						<0.1	
9/17/2018							<0.1
3/15/2019		<0.1		<0.1			
3/18/2019	<0.1				<0.1		
3/19/2019			<0.1			<0.1	
3/20/2019							<0.1
9/11/2019	<0.1		<0.1	<0.1	<0.1	<0.1	
9/12/2019		<0.1					
9/16/2019							<0.1
3/9/2020		<0.1	<0.1	<0.1		<0.1	
3/10/2020	<0.1						
3/11/2020					<0.1		
3/16/2020							<0.1
9/11/2020					<0.1		
9/14/2020	<0.1	<0.1		<0.1		<0.1	
9/15/2020			<0.1				
9/16/2020							<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	<0.1	<0.1	<0.1	<0.1			
3/15/2021					<0.1	<0.1	
3/17/2021							<0.1
8/4/2021				<0.1			
8/5/2021	<0.1	<0.1	<0.1			<0.1	
8/9/2021							<0.1
8/11/2021					<0.1		
1/31/2022	<0.1			<0.1			
2/1/2022		<0.1	<0.1		<0.1	<0.1	
2/2/2022							<0.1
8/15/2022	0.06 (J)	0.058 (J)	0.069 (J)	0.065 (J)	<0.1	<0.1	
8/16/2022							0.062 (J)
2/14/2023	0.091 (J)	0.064 (J)	0.081 (J)	0.058 (J)	<0.1	<0.1	
2/20/2023							<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					0.048 (J)	
3/29/2016	0.0239 (J)	0.0364 (J)				
3/30/2016				0.0228 (J)		0.0241 (J)
5/24/2016	0.023 (J)	0.0286 (J)		0.019 (J)		
5/25/2016					0.0345 (J)	
5/26/2016						0.0307 (J)
5/31/2016			0.043 (J)			
8/1/2016	<0.1	0.08 (J)				
8/2/2016			<0.1	<0.1	0.08 (J)	
8/5/2016						<0.1
9/26/2016	<0.1	<0.1			0.07 (J)	
9/27/2016			<0.1	<0.1		
9/28/2016						<0.1
11/14/2016		0.08 (J)				
11/18/2016	0.02 (J)					
11/21/2016			0.22 (J)		0.07 (J)	0.05 (J)
11/22/2016				0.02 (J)		
2/1/2017	<0.1	<0.1	<0.1			
2/3/2017					<0.1	
2/6/2017				<0.1		<0.1
4/6/2017	<0.1	<0.1	0.008 (J)	<0.1		<0.1
4/7/2017					0.03 (J)	
6/13/2017	0.006 (J)	0.05 (J)	0.03 (J)		0.05 (J)	<0.1
6/14/2017				<0.1		
7/14/2017			0.05 (J)			
10/3/2017	<0.1	<0.1	0.06 (J)		0.1 (J)	<0.1
10/4/2017				<0.1		
3/19/2018	<0.1					
3/20/2018		<0.1	<0.1		<0.1	<0.1
3/21/2018				<0.1		
9/17/2018	<0.1	<0.1				
9/18/2018			<0.1	<0.1	<0.1	<0.1 (D)
3/21/2019	<0.1	<0.1	<0.1			<0.1
3/27/2019				<0.1		
5/6/2019					<0.1	
9/13/2019			<0.1			
9/16/2019	<0.1	<0.1		<0.1 (D)	<0.1	<0.1
3/12/2020	<0.1	<0.1	<0.1	<0.1		<0.1
3/16/2020					<0.1	
9/16/2020	<0.1	<0.1	<0.1			
9/17/2020				<0.1	<0.1	<0.1
3/17/2021	<0.1	<0.1	<0.1	<0.1		
3/18/2021					<0.1	<0.1
8/10/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2/2/2022	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8/17/2022	0.064 (J)	0.07 (J)	0.073 (J)	0.062 (J)	0.062 (J)	0.067 (J)
2/17/2023	<0.1	0.052 (J)				
2/20/2023			0.057 (J)		0.061 (J)	
2/21/2023				0.057 (J)		<0.1

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.001	<0.001	<0.001			<0.001	
10/23/2007	<0.001						
10/24/2007		<0.001	<0.001				
11/2/2007						<0.001	
11/18/2007	<0.001	<0.001	<0.001			<0.001	
1/30/2008	<0.001						
1/31/2008		<0.001	<0.001			<0.001	
3/10/2008	<0.001		<0.001				
3/11/2008		<0.001				<0.001	
5/6/2008		<0.001					
5/13/2008	<0.001		<0.001				
5/14/2008						<0.001	
12/4/2008		<0.001	<0.001				
12/5/2008	<0.001					<0.001	
4/15/2009	<0.001					<0.001	
4/21/2009		<0.001	<0.001				
10/7/2009	<0.001	<0.001					
10/8/2009			<0.001			<0.001	
4/21/2010			<0.001				
4/26/2010		<0.001					
4/28/2010						<0.001	
5/3/2010	<0.001						
9/28/2010			<0.001				
10/4/2010		<0.001					
10/6/2010						<0.001	
10/12/2010	<0.001						
4/12/2011			<0.001				
4/13/2011		<0.001					
4/21/2011						<0.001	
4/27/2011	<0.001						
10/4/2011			<0.001				
10/5/2011		<0.001					
10/13/2011						<0.001	
10/17/2011	<0.001						
4/3/2012			<0.001				
4/11/2012		<0.001					
5/1/2012						<0.001	
5/2/2012	<0.001						
10/8/2012	<0.001						
10/9/2012		<0.001	<0.001			<0.001	
4/11/2013			<0.001			<0.001	
4/12/2013	<0.001						
4/15/2013		<0.001					
10/15/2013		<0.001					
10/16/2013	<0.001		<0.001			<0.001	
4/10/2014			<0.001				
4/11/2014	<0.001						
4/22/2014		<0.001					
4/23/2014						<0.001	
9/30/2014	<0.001	<0.001	<0.001				
10/4/2014						<0.001	
3/30/2015	0.0028 (J)	<0.001	<0.001				

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.001	
10/12/2015						<0.001	
10/13/2015	<0.001	<0.001	<0.001				
3/14/2016					<0.001		
3/15/2016							<0.001
3/22/2016	<0.001						
3/23/2016		<0.001	<0.001			<0.001	
5/11/2016					<0.001		<0.001
5/16/2016				<0.001 (D)			
5/19/2016	<0.001		<0.001				
5/20/2016		<0.001					
5/23/2016						<0.001	
7/19/2016					<0.001		
7/21/2016							<0.001
7/27/2016				0.0011 (JD)			
7/29/2016	0.0002 (J)	0.0001 (J)	<0.001			<0.001	
9/15/2016					<0.001		<0.001
9/22/2016			<0.001			<0.001	
9/23/2016	<0.001	<0.001					
11/2/2016					<0.001		
11/3/2016							<0.001
11/9/2016	0.0004 (J)	<0.001					
11/10/2016			<0.001			<0.001	
1/17/2017							<0.001
1/18/2017					<0.001		
1/30/2017	<0.001						
1/31/2017		<0.001	<0.001			<0.001	
2/21/2017				<0.001			
3/24/2017							<0.001 (*)
3/27/2017				<0.001 (D)			
3/28/2017					<0.001 (*)		
3/30/2017	8E-05 (J)	<0.001				<0.001	
4/3/2017			<0.001				
5/24/2017							0.0001 (J)
6/7/2017					8E-05 (J)		
6/8/2017				<0.001 (D)			
6/9/2017	0.0001 (J)		<0.001				
6/12/2017		<0.001				<0.001	
7/17/2017				<0.001 (D)			
7/27/2017				0.0001 (J)			
8/9/2017				<0.001			
9/26/2017					0.0002 (J)		0.0001 (J)
9/29/2017				<0.001 (D)			
10/2/2017	0.0002 (J)	<0.001	<0.001				
10/4/2017						<0.001	
3/14/2018					<0.001		0.00046 (J)
3/16/2018	<0.001		<0.001	<0.001			
3/19/2018		<0.001				<0.001	
9/12/2018					<0.001		<0.001
9/14/2018		<0.001	<0.001	<0.001			
9/17/2018	<0.001 (D)					<0.001	
3/13/2019							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.001			
3/15/2019					<0.001		
3/19/2019			<0.001				
3/20/2019	<0.001	<0.001				<0.001	
9/9/2019					<0.001		<0.001
9/12/2019	<0.001	0.002536 (JD)					
9/13/2019			<0.001			<0.001	
3/9/2020				0.00027 (J)	5.5E-05 (J)		9.5E-05 (J)
3/11/2020	<0.001	<0.001	5.8E-05 (J)			<0.001	
9/10/2020					<0.001		
9/11/2020							<0.001
9/15/2020	9.3E-05 (J)	<0.001	5E-05 (J)				
9/16/2020				0.0005 (J)			
3/10/2021							<0.001
3/12/2021					0.0002 (J)		
3/16/2021	5.2E-05 (J)		7E-05 (J)	0.0002 (J)			
3/17/2021		<0.001					
3/29/2021						<0.001	
8/4/2021					<0.001		<0.001
8/6/2021				<0.001			
8/9/2021	<0.001	<0.001	<0.001			<0.001	
1/31/2022					<0.001		<0.001
2/1/2022	<0.001	<0.001	<0.001				
2/2/2022				<0.001		<0.001	
8/10/2022					<0.001		
8/12/2022							<0.001
8/16/2022	<0.001	<0.001	<0.001	<0.001		<0.001	
2/13/2023					<0.001		<0.001
2/14/2023				<0.001			
2/16/2023	<0.001	<0.001	<0.001				
2/17/2023						<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.001
4/23/2009							<0.001
10/6/2009							<0.001
4/27/2010							<0.001
9/30/2010							<0.001
4/14/2011							<0.001
10/5/2011							<0.001
4/11/2012							<0.001
10/2/2012							<0.001
4/9/2013							<0.001
10/15/2013							<0.001
4/10/2014							<0.001
10/1/2014							<0.001
3/30/2015							<0.001
10/11/2015							<0.001
3/11/2016			<0.001	<0.001	<0.001		
3/15/2016	<0.001	<0.001					
3/28/2016							<0.001
5/12/2016	<0.001						
5/13/2016		<0.001		<0.001	<0.001		
5/16/2016			<0.001				
5/23/2016							<0.001
7/19/2016				<0.001	<0.001		
7/20/2016	<0.001						
7/21/2016		0.0001 (J)					
7/22/2016			0.0001 (J)				
8/1/2016							<0.001
9/15/2016	<0.001						
9/16/2016				<0.001	<0.001		
9/19/2016			0.0002 (J)				
9/21/2016		<0.001					
9/26/2016							0.0001 (J)
11/2/2016				<0.001	<0.001		
11/3/2016	<0.001	<0.001	<0.001				
11/10/2016							<0.001
1/17/2017		<0.001	<0.001				
1/18/2017	<0.001			<0.001	<0.001		
1/30/2017							<0.001
2/22/2017						0.0002 (J)	
3/24/2017	<0.001						
3/27/2017		<0.001	<0.001				
3/28/2017				<0.001	<0.001		
4/7/2017						<0.001	<0.001
6/6/2017	<0.001	<0.001		7E-05 (J)	0.0001 (J)		
6/7/2017			<0.001				
6/12/2017							<0.001
6/14/2017						<0.001 (D)	
7/12/2017						<0.001 (D)	
7/20/2017						<0.001 (D)	
7/28/2017						<0.001	
8/9/2017						<0.001	
8/24/2017						<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				8E-05 (J)	7E-05 (J)		
9/25/2017	<0.001	0.0001 (J)					
9/26/2017			<0.001				
10/2/2017							0.0003 (J)
10/3/2017						<0.001 (D)	
3/14/2018	<0.001	0.00031 (J)	<0.001	<0.001			
3/15/2018					0.0038 (J)		
3/16/2018							<0.001
3/21/2018						<0.001	
9/12/2018	<0.001	<0.001		<0.001	<0.001		
9/14/2018			<0.001				
9/17/2018							<0.001
9/18/2018						<0.001	
3/13/2019				<0.001	<0.001		
3/14/2019	<0.001	0.00031 (J)	<0.001				
3/19/2019							<0.001
3/21/2019						<0.001 (D)	
9/10/2019	<0.001 (D)	<0.001	<0.001				
9/11/2019				0.0001 (J)	9.2E-05 (J)		
9/12/2019						6.5E-05 (JD)	
9/13/2019							<0.001
3/6/2020	9.1E-05 (J)		0.00011 (J)				
3/9/2020		4.9E-05 (J)		9.1E-05 (J)	9.6E-05 (J)		
3/11/2020							<0.001
3/12/2020						<0.001	
9/10/2020	<0.001	<0.001	<0.001				
9/11/2020				4.6E-05 (J)			
9/14/2020					6.6E-05 (J)		
9/16/2020							9.3E-05 (J)
9/17/2020						<0.001	
3/10/2021		0.00012 (J)					
3/11/2021	<0.001		<0.001	6.3E-05 (J)	0.00013 (J)		
3/16/2021						<0.001	
3/17/2021							<0.001
8/4/2021	<0.001	<0.001	<0.001				
8/5/2021					<0.001		
8/6/2021				<0.001			
8/9/2021							<0.001
8/10/2021						<0.001	
1/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001		
2/1/2022							<0.001
2/3/2022						<0.001	
8/10/2022			<0.001		<0.001		
8/11/2022	<0.001	<0.001		<0.001			
8/16/2022							<0.001
8/17/2022						<0.001	
2/13/2023	<0.001	<0.001	<0.001		<0.001		
2/14/2023				<0.001			
2/16/2023							<0.001
2/17/2023						<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/1/2007		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/18/2007				<0.001	<0.001		
11/19/2007						<0.001	<0.001
11/20/2007		<0.001	<0.001				
1/16/2008						<0.001	
1/30/2008		<0.001	<0.001	<0.001	<0.001		
1/31/2008							<0.001
3/5/2008				<0.001		<0.001	<0.001
3/6/2008		<0.001	<0.001		<0.001		
5/7/2008				<0.001	<0.001		
5/8/2008			<0.001				
5/12/2008		<0.001					<0.001
5/13/2008						<0.001	
12/12/2008	<0.001						
12/13/2008		<0.001				<0.001	<0.001
12/14/2008			<0.001	<0.001	<0.001		
4/16/2009						<0.001	
4/23/2009	<0.001						
4/28/2009							<0.001
4/29/2009		<0.001	<0.001	<0.001	<0.001		
10/6/2009	<0.001						
10/20/2009		<0.001					
10/21/2009			<0.001			<0.001	<0.001
10/22/2009				<0.001	<0.001		
4/21/2010			<0.001	<0.001	<0.001		
4/26/2010		<0.001					
4/27/2010						<0.001	
4/28/2010							<0.001
5/3/2010	<0.001						
9/28/2010			<0.001	<0.001			
9/29/2010		<0.001			<0.001		
10/5/2010						<0.001	<0.001
10/11/2010	<0.001						
4/12/2011			<0.001	<0.001			
4/13/2011		<0.001			<0.001		
4/19/2011						<0.001	<0.001
4/27/2011	<0.001						
10/4/2011			<0.001	<0.001	<0.001		
10/5/2011		<0.001					
10/12/2011						<0.001	
10/18/2011							<0.001
10/19/2011	<0.001						
4/3/2012			<0.001	<0.001			
4/4/2012		<0.001			<0.001		
4/24/2012						<0.001	
4/25/2012							<0.001
5/1/2012	0.0012						
10/2/2012	<0.001					<0.001	<0.001
10/3/2012		<0.001		<0.001	<0.001		
10/8/2012			<0.001				
4/2/2013						<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.001	<0.001	<0.001	<0.001		
4/10/2013	<0.001						
10/8/2013							<0.001
10/9/2013				<0.001	<0.001	<0.001	
10/15/2013		<0.001	<0.001				
10/16/2013	<0.001						
4/1/2014						<0.001	<0.001
4/2/2014				<0.001	<0.001		
4/9/2014		<0.001	<0.001				
4/22/2014	<0.001						
10/1/2014	<0.001						<0.001
10/2/2014		<0.001	<0.001	<0.001	<0.001	<0.001	
3/30/2015	<0.001						
4/1/2015				<0.001	<0.001	<0.001	<0.001
4/2/2015		<0.001	<0.001				
10/10/2015		<0.001					
10/11/2015	<0.001			<0.001	<0.001		
10/12/2015			<0.001				
10/14/2015						<0.001	
10/15/2015							<0.001
3/28/2016	<0.001						
3/31/2016		<0.001	<0.001				
4/4/2016				<0.001	<0.001	<0.001	<0.001
5/25/2016	<0.001						
5/26/2016		<0.001	<0.001	<0.001	<0.001		
5/27/2016						<0.001	
5/31/2016							<0.001
8/1/2016	<0.001						
8/3/2016			<0.001	<0.001		<0.001	
8/4/2016					<0.001		0.0001 (J)
8/5/2016		<0.001					
9/26/2016	<0.001						
9/28/2016		<0.001	<0.001	<0.001	<0.001		
9/29/2016							0.0001 (J)
9/30/2016						<0.001	
11/11/2016	<0.001						
11/22/2016		<0.001	<0.001	<0.001	<0.001	<0.001	
11/28/2016							<0.001
1/30/2017	<0.001						
2/7/2017		<0.001	<0.001				
2/8/2017				<0.001	<0.001		
2/9/2017							0.0001 (J)
2/13/2017						<0.001	
4/3/2017	<0.001						
4/10/2017		<0.001	<0.001	<0.001	<0.001		
4/11/2017						<0.001	
4/12/2017							<0.001
6/12/2017	<0.001						
6/14/2017		<0.001	<0.001			<0.001	
6/15/2017				9E-05 (J)	<0.001		
6/16/2017							0.0002 (J)
10/2/2017	<0.001						

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.001	<0.001	<0.001	<0.001	<0.001	
10/9/2017							0.0001 (J)
3/16/2018	<0.001						
3/20/2018		<0.001					
3/21/2018			<0.001	<0.001			<0.001
3/22/2018					<0.001	<0.001	
9/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9/19/2018							<0.001
3/19/2019	<0.001						
3/22/2019		<0.001	<0.001				
3/23/2019				<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001						
9/17/2019		4.7E-05 (J)	0.00017 (J)	4.6E-05 (J)	8.2E-05 (J)	<0.001 (D)	
9/18/2019							0.0002 (J)
3/11/2020	<0.001						
3/12/2020		<0.001	<0.001	5.2E-05 (J)	4.6E-05 (J)	<0.001	
3/13/2020							0.00013 (J)
9/15/2020	<0.001						
9/17/2020		<0.001	<0.001				
9/21/2020				<0.001	<0.001	<0.001	
9/22/2020							0.00015 (J)
3/17/2021	<0.001						
3/18/2021		<0.001	<0.001				0.00024 (J)
3/19/2021				<0.001	0.00018 (J)	<0.001	
8/9/2021	<0.001						
8/10/2021		<0.001					
8/11/2021			<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001					<0.001	
2/4/2022		<0.001	<0.001	<0.001	<0.001		
2/17/2022							<0.001
8/17/2022	<0.001	<0.001					
8/18/2022			<0.001	<0.001	<0.001	<0.001	<0.001
2/16/2023	<0.001						
2/20/2023		<0.001	<0.001	<0.001	<0.001		
2/21/2023						<0.001	
2/22/2023							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.001						
8/23/2007			<0.001				
8/24/2007		<0.001		<0.001			
11/1/2007	<0.001						
11/2/2007		<0.001	<0.001	<0.001			
11/17/2007		<0.001	<0.001				
11/18/2007				<0.001			
11/19/2007	<0.001						
1/15/2008		<0.001	<0.001	<0.001			
1/31/2008	<0.001						
3/5/2008	<0.001	<0.001					
3/6/2008			<0.001				
3/10/2008				<0.001			
5/7/2008	<0.001	<0.001	<0.001				
5/13/2008				<0.001			
12/2/2008		<0.001	<0.001	<0.001			
12/12/2008	<0.001						
4/16/2009		<0.001					
4/28/2009			<0.001	<0.001			
4/29/2009	<0.001						
10/19/2009			<0.001				
10/20/2009		<0.001		<0.001			
10/21/2009	<0.001						
4/20/2010		<0.001					
4/27/2010			<0.001	<0.001			
4/28/2010	<0.001						
9/29/2010		<0.001					
10/4/2010			<0.001				
10/5/2010				<0.001			
10/6/2010	<0.001						
4/12/2011		<0.001					
4/18/2011			<0.001				
4/19/2011				<0.001			
4/20/2011	<0.001						
10/4/2011		<0.001					
10/12/2011	<0.001		<0.001	<0.001			
4/4/2012		<0.001					
4/23/2012			<0.001				
4/25/2012	<0.001			<0.001			
10/2/2012	<0.001						
10/10/2012		<0.001	<0.001	<0.001			
4/2/2013	<0.001						
4/15/2013		<0.001	<0.001				
4/16/2013				<0.001			
10/8/2013	<0.001						
10/22/2013		<0.001	<0.001	<0.001			
4/1/2014	<0.001						
4/21/2014		<0.001	<0.001	<0.001			
9/30/2014		<0.001	<0.001	<0.001			
10/1/2014	<0.001						
3/31/2015	<0.001						
4/3/2015		<0.001	<0.001	<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.001			
10/7/2015		<0.001	<0.001				
10/14/2015	<0.001						
3/16/2016					<0.001	<0.001	<0.001
4/4/2016	<0.001						
4/5/2016		<0.001	<0.001	<0.001			
5/16/2016					<0.001	<0.001 (D)	<0.001 (D)
5/31/2016			<0.001	<0.001			
6/1/2016	<0.001	<0.001					
7/25/2016					0.0003 (J)	0.0002 (JD)	0.0001 (JD)
8/4/2016			<0.001				
8/9/2016		<0.001					
9/19/2016					0.0002 (J)	0.0004 (JD)	<0.001 (D)
9/29/2016			0.0008 (J)				
11/3/2016					0.0002 (J)		<0.001 (D)
11/4/2016						0.0002 (JD)	
11/23/2016			0.0011 (J)	<0.001			
11/28/2016		<0.001					
1/19/2017					0.0003 (J)		
1/20/2017							<0.001 (D)
1/23/2017						0.0001 (JD)	
2/9/2017		0.0002 (J)					
2/10/2017			<0.001	<0.001			
2/22/2017	0.0003 (J)						
3/28/2017					<0.001 (*)		
3/29/2017						0.0001 (JD)	0.0001 (JD)
4/11/2017	<0.001	<0.001		<0.001			
4/12/2017			<0.001				
6/5/2017					0.0007 (J)		
6/7/2017						0.0001 (J)	8E-05 (J)
6/14/2017		<0.001					
6/15/2017			0.0005 (J)	<0.001			
6/16/2017	<0.001						
7/12/2017	<0.001	<0.001		<0.001			
7/26/2017				<0.001			
7/28/2017	<0.001						
8/10/2017	<0.001						
9/26/2017					0.0004 (J)		
9/27/2017						0.0003 (J)	9E-05 (J)
10/5/2017		<0.001					
10/6/2017	<0.001		0.0004 (J)	<0.001			
3/15/2018					0.00064 (J)	<0.001	<0.001
3/22/2018		<0.001					
3/23/2018	<0.001		0.00028 (J)	<0.001			
9/12/2018					0.00037 (J)		
9/13/2018						<0.001	<0.001
9/19/2018		<0.001	0.00029 (J)	<0.001			
9/20/2018	<0.001						
3/14/2019					0.00077 (J)	<0.001 (D)	<0.001 (D)
3/22/2019	<0.001	<0.001		<0.001			
3/25/2019			0.00047 (J)				
9/11/2019					0.00047 (J)	0.00016 (JD)	<0.001 (D)

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.001	0.00016 (J)	<0.001			
9/18/2019	4.8E-05 (X)						
3/10/2020					0.00066 (J)	0.00014 (J)	<0.001
3/13/2020		<0.001	0.00037 (J)	4.8E-05 (J)			
3/17/2020	<0.001						
9/11/2020						0.00012 (J)	<0.001
9/15/2020					0.00045 (J)		
9/21/2020		0.00023 (J)	0.00093 (J)	7.5E-05 (J)			
9/22/2020	7.1E-05 (J)						
3/11/2021					0.00053 (J)	0.00012 (J)	4.5E-05 (J)
3/18/2021		<0.001	0.00036 (J)	4E-05 (J)			
3/19/2021	7.4E-05 (J)						
8/4/2021					<0.001		
8/6/2021						<0.001	<0.001
8/11/2021		<0.001	<0.001	<0.001			
8/12/2021	<0.001						
1/31/2022					<0.001		
2/1/2022						<0.001	<0.001
2/4/2022	<0.001	<0.001	<0.001				
2/7/2022				<0.001			
8/12/2022						<0.001	<0.001
8/15/2022					<0.001		
8/18/2022		<0.001					
8/19/2022	<0.001		<0.001	<0.001			
2/14/2023					<0.001	<0.001	<0.001
2/22/2023	<0.001	<0.001	<0.001	<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.001
10/25/2007							<0.001
11/19/2007							<0.001
1/23/2008							<0.001
3/11/2008							<0.001
5/12/2008							<0.001
12/11/2008							<0.001
4/15/2009							<0.001
10/9/2009							<0.001
5/4/2010							<0.001
10/12/2010							<0.001
4/28/2011							<0.001
10/19/2011							<0.001
5/2/2012							<0.001
10/9/2012							<0.001
4/11/2013							<0.001
10/16/2013							<0.001
4/23/2014							<0.001
10/3/2014							<0.001
3/31/2015							<0.001
10/12/2015							<0.001
3/10/2016	<0.001	<0.001	<0.001	<0.001			
3/17/2016					<0.001	<0.001	
3/28/2016							<0.001
5/17/2016	<0.001			<0.001			
5/18/2016		<0.001	<0.001		<0.001	<0.001	
5/25/2016							<0.001
7/26/2016	<0.001						
7/27/2016		9E-05 (J)	9E-05 (J)	<0.001	<0.001		
7/28/2016						0.0002 (J)	
8/1/2016							<0.001
9/20/2016	<0.001	0.0003 (J)	0.0001 (J)	0.0002 (J)			
9/21/2016					<0.001	<0.001 (*)	
9/27/2016							<0.001
11/4/2016	<0.001		<0.001	<0.001	<0.001		
11/7/2016		<0.001				<0.001	
11/11/2016							<0.001
1/20/2017	<0.001		<0.001				
1/23/2017		<0.001		<0.001			
1/24/2017					<0.001	0.0002 (J)	
1/31/2017							<0.001
3/28/2017	<0.001			<0.001 (*)			
3/29/2017		<0.001	<0.001		<0.001		
3/30/2017						<0.001	
4/3/2017							<0.001
6/7/2017	<0.001						
6/8/2017		0.0001 (J)	<0.001	<0.001	<0.001		
6/9/2017						<0.001	
6/12/2017							<0.001
9/27/2017		<0.001	<0.001				
9/29/2017	<0.001			<0.001	<0.001	<0.001	
10/3/2017							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.001	<0.001		<0.001	<0.001	<0.001	
3/16/2018			<0.001				
3/19/2018							<0.001
9/13/2018	<0.001	<0.001	<0.001	<0.001	<0.001		
9/14/2018						<0.001	
9/17/2018							<0.001
3/15/2019		<0.001		<0.001			
3/18/2019	<0.001				<0.001		
3/19/2019			<0.001			<0.001	
3/20/2019							<0.001
9/11/2019	<0.001		8.5E-05 (J)	0.002529 (JD)	<0.001	8.2E-05 (J)	
9/12/2019		<0.001					
9/16/2019							<0.001
3/9/2020		5.8E-05 (J)	8E-05 (J)	<0.001		0.00017 (J)	
3/10/2020	<0.001						
3/11/2020					<0.001		
3/16/2020							5.1E-05 (J)
9/11/2020					<0.001		
9/14/2020	<0.001	<0.001		<0.001		7.8E-05 (J)	
9/15/2020			<0.001				
9/16/2020							<0.001
3/11/2021	<0.001	4.8E-05 (J)	<0.001	<0.001			
3/15/2021					<0.001	4.6E-05 (J)	
3/17/2021							<0.001
8/4/2021				<0.001			
8/5/2021	<0.001	<0.001	<0.001			<0.001	
8/9/2021							<0.001
8/11/2021					<0.001		
1/31/2022	<0.001			<0.001			
2/1/2022		<0.001	<0.001		<0.001	<0.001	
2/2/2022							<0.001
8/15/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/16/2022							<0.001
2/14/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/20/2023							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.001					
8/23/2007						<0.001
10/25/2007	<0.001					
11/1/2007						<0.001
11/19/2007						<0.001
11/20/2007	<0.001					
1/15/2008						<0.001
1/23/2008	<0.001					
3/6/2008						<0.001
3/11/2008	<0.001					
5/13/2008						<0.001
5/14/2008	<0.001					
12/11/2008	<0.001					
12/12/2008						<0.001
4/16/2009						<0.001
4/23/2009	<0.001					
10/9/2009	<0.001					
10/13/2009						<0.001
4/21/2010						<0.001
5/4/2010	<0.001					
9/29/2010						<0.001
10/11/2010	<0.001					
4/13/2011						<0.001
4/26/2011	<0.001					
10/5/2011						<0.001
10/18/2011	<0.001			<0.001		
4/4/2012						0.0012
4/30/2012				<0.001		
5/2/2012	<0.001					
10/3/2012				<0.001		
10/8/2012	<0.001					<0.001
4/8/2013				<0.001		<0.001
4/10/2013	<0.001					
10/8/2013	<0.001					
10/9/2013				<0.001		<0.001
4/9/2014						<0.001
4/10/2014				<0.001		
4/14/2014	<0.001					
9/30/2014						<0.001
10/2/2014				<0.001		
10/3/2014	<0.001					
4/1/2015	<0.001					
4/2/2015						<0.001
4/3/2015				<0.001		
5/26/2015		<0.001			<0.001	
6/18/2015		<0.001 (D)			<0.001 (D)	
7/2/2015		<0.001			<0.001	
10/8/2015				<0.001	<0.001	
10/9/2015	<0.001	<0.001				
10/10/2015						<0.001 (D)
3/22/2016					<0.001	
3/29/2016	<0.001	<0.001				

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.001		<0.001
5/24/2016	<0.001	<0.001		<0.001		
5/25/2016					<0.001	
5/26/2016						<0.001
5/31/2016			<0.001			
8/1/2016	<0.001	<0.001				
8/2/2016			0.0001 (J)	<0.001	0.0002 (J)	
8/5/2016						0.0001 (J)
9/26/2016	0.0003 (J)	<0.001			0.0001 (J)	
9/27/2016			0.0001 (J)	<0.001		
9/28/2016						0.0002 (J)
11/14/2016		<0.001				
11/18/2016	<0.001					
11/21/2016			0.0001 (J)		0.0001 (J)	0.0002 (J)
11/22/2016				<0.001		
2/1/2017	<0.001	<0.001	0.0001 (J)			
2/3/2017					0.0002 (J)	
2/6/2017				<0.001		0.0001 (J)
4/6/2017	7E-05 (J)	7E-05 (J)	0.0002 (J)	0.0001 (J)		0.0001 (J)
4/7/2017					0.0002 (J)	
6/13/2017	<0.001	8E-05 (J)	<0.001		0.0002 (J)	8E-05 (J)
6/14/2017				<0.001		
7/14/2017			<0.001			
10/3/2017	<0.001	<0.001	9E-05 (J)		0.0002 (J)	<0.001
10/4/2017				<0.001		
3/19/2018	<0.001					
3/20/2018		<0.001	<0.001		0.00042 (J)	<0.001
3/21/2018				<0.001		
9/17/2018	<0.001	<0.001				
9/18/2018			<0.001	<0.001	<0.001	<0.001 (D)
3/21/2019	<0.001	<0.001	<0.001			<0.001
3/27/2019				<0.001		
5/6/2019					0.00032 (J)	
9/13/2019			<0.001			
9/16/2019	0.0001 (J)	<0.001		<0.001 (D)	5.4E-05 (J)	6.1E-05 (J)
3/12/2020	0.0001 (J)	7E-05 (J)	8.2E-05 (J)	5.6E-05 (J)		0.00016 (J)
3/16/2020					0.00016 (J)	
9/16/2020	0.00012 (J)	<0.001	0.00011 (J)			
9/17/2020				8E-05 (J)	6.5E-05 (J)	7.9E-05 (J)
3/17/2021	7.4E-05 (J)	<0.001	4.9E-05 (J)	<0.001		
3/18/2021					0.00011 (J)	0.0001 (J)
8/10/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/17/2023	<0.001	<0.001				
2/20/2023			<0.001		<0.001	
2/21/2023				<0.001		<0.001

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005	
10/23/2007	<0.0005						
10/24/2007		<0.0005	<0.0005				
11/2/2007						<0.0005	
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005	
1/30/2008	<0.0005						
1/31/2008		<0.0005	<0.0005			<0.0005	
3/10/2008	<0.0005		<0.0005				
3/11/2008		<0.0005				<0.0005	
5/6/2008		0.000175					
5/13/2008	<0.0005		<0.0005				
5/14/2008						<0.0005	
12/4/2008		<0.0005	<0.0005				
12/5/2008	<0.0005					<0.0005	
4/15/2009	<0.0005					<0.0005	
4/21/2009		<0.0005	<0.0005				
10/7/2009	<0.0005	<0.0005					
10/8/2009			<0.0005			<0.0005	
4/21/2010			<0.0005				
4/26/2010		<0.0005					
4/28/2010						<0.0005	
5/3/2010	<0.0005						
9/28/2010			<0.0005				
10/4/2010		<0.0005					
10/6/2010						<0.0005	
10/12/2010	<0.0005						
4/12/2011			<0.0005				
4/13/2011		<0.0005					
4/21/2011						<0.0005	
4/27/2011	<0.0005						
10/4/2011			<0.0005				
10/5/2011		<0.0005					
10/13/2011						<0.0005	
10/17/2011	<0.0005						
4/3/2012			<0.0005				
4/11/2012		<0.0005					
5/1/2012						<0.0005	
5/2/2012	<0.0005						
10/8/2012	<0.0005						
10/9/2012		<0.0005	<0.0005			<0.0005	
4/11/2013			<0.0005			<0.0005	
4/12/2013	<0.0005						
4/15/2013		<0.0005					
10/15/2013		<0.0005					
10/16/2013	<0.0005		<0.0005			<0.0005	
4/10/2014			<0.0005				
4/11/2014	<0.0005						
4/22/2014		<0.0005					
4/23/2014						<0.0005	
9/30/2014	<0.0005	<0.0005	<0.0005				
10/4/2014						<0.0005	
3/30/2015	<0.0005	<0.0005	<0.0005				

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.0005	
10/12/2015						<0.0005	
10/13/2015	<0.0005	<0.0005	<0.0005				
3/14/2016					<0.0005		
3/15/2016							<0.0005
3/22/2016	<0.0005						
3/23/2016		<0.0005	<0.0005			<0.0005	
5/11/2016					<0.0005		<0.0005
5/16/2016				<0.0005 (D)			
5/19/2016	<0.0005		<0.0005				
5/20/2016		<0.0005					
5/23/2016						<0.0005	
7/19/2016					<0.0005		
7/21/2016							<0.0005
7/27/2016				<0.0005 (D)			
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005	
9/15/2016					<0.0005		<0.0005
9/22/2016			<0.0005			<0.0005	
9/23/2016	<0.0005	<0.0005					
11/2/2016					<0.0005		
11/3/2016							<0.0005
11/9/2016	<0.0005	<0.0005					
11/10/2016			<0.0005			<0.0005	
1/17/2017							<0.0005
1/18/2017					<0.0005		
1/30/2017	<0.0005						
1/31/2017		<0.0005	<0.0005			<0.0005	
2/21/2017				<0.0005			
3/24/2017							<0.0005
3/27/2017				<0.0005 (D)			
3/28/2017					<0.0005		
3/30/2017	<0.0005	<0.0005				<0.0005	
4/3/2017			<0.0005				
5/24/2017							<0.0005
6/7/2017					<0.0005		
6/8/2017				<0.0005 (D)			
6/9/2017	<0.0005		<0.0005				
6/12/2017		<0.0005				<0.0005	
7/17/2017				<0.0005 (D)			
7/27/2017				<0.0005			
8/9/2017				<0.0005			
9/26/2017					<0.0005		<0.0005
9/29/2017				<0.0005 (D)			
10/2/2017	<0.0005	<0.0005	<0.0005				
10/4/2017						<0.0005	
3/14/2018					<0.0005		<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005			
3/19/2018		<0.0005				<0.0005	
9/12/2018					<0.0005		3.8E-05 (J)
9/14/2018		<0.0005	<0.0005	4.1E-05 (J)			
9/17/2018	<0.0005 (D)					<0.0005	
3/13/2019							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.0005			
3/15/2019					<0.0005		
3/19/2019			<0.0005				
3/20/2019	<0.0005	<0.0005				<0.0005	
9/9/2019					<0.0005		<0.0005
9/12/2019	<0.0005	<0.0005 (D)					
9/13/2019			<0.0005			<0.0005	
3/9/2020				<0.0005	<0.0005		<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005	
9/10/2020					<0.0005		
9/11/2020							<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005				
9/16/2020				<0.0005			
3/10/2021							<0.0005
3/12/2021					<0.0005		
3/16/2021	<0.0005		<0.0005	<0.0005			
3/17/2021		<0.0005					
3/29/2021						<0.0005	
8/4/2021					0.00012 (J)		9.4E-05 (J)
8/6/2021				<0.0005			
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005	
1/31/2022					<0.0005		<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005				
2/2/2022				<0.0005		<0.0005	
8/10/2022					<0.0005		
8/12/2022							<0.0005
8/16/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
2/13/2023					<0.0005		<0.0005
2/14/2023				<0.0005			
2/16/2023	0.00017 (J)	0.00013 (J)	<0.0005				
2/17/2023						0.00013 (J)	

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.0005
4/23/2009							<0.0005
10/6/2009							<0.0005
4/27/2010							<0.0005
9/30/2010							<0.0005
4/14/2011							<0.0005
10/5/2011							<0.0005
4/11/2012							<0.0005
10/2/2012							<0.0005
4/9/2013							<0.0005
10/15/2013							<0.0005
4/10/2014							<0.0005
10/1/2014							<0.0005
3/30/2015							2.02E-05 (J)
10/11/2015							<0.0005
3/11/2016			<0.0005	<0.0005	<0.0005		
3/15/2016	<0.0005	<0.0005					
3/28/2016							<0.0005
5/12/2016	<0.0005						
5/13/2016		<0.0005		<0.0005	<0.0005		
5/16/2016			<0.0005				
5/23/2016							<0.0005
7/19/2016				<0.0005	<0.0005		
7/20/2016	<0.0005						
7/21/2016		<0.0005					
7/22/2016			<0.0005				
8/1/2016							<0.0005
9/15/2016	<0.0005						
9/16/2016				<0.0005	<0.0005		
9/19/2016			<0.0005				
9/21/2016		<0.0005					
9/26/2016							<0.0005
11/2/2016				<0.0005	<0.0005		
11/3/2016	<0.0005	<0.0005	<0.0005				
11/10/2016							<0.0005
1/17/2017		<0.0005	<0.0005				
1/18/2017	<0.0005			<0.0005	<0.0005		
1/30/2017							<0.0005
2/22/2017						<0.0005	
3/24/2017	<0.0005						
3/27/2017		<0.0005	<0.0005				
3/28/2017				<0.0005	<0.0005		
4/7/2017						<0.0005	<0.0005
6/6/2017	<0.0005	<0.0005		<0.0005	<0.0005		
6/7/2017			<0.0005				
6/12/2017							<0.0005
6/14/2017						0.000286 (JD)	
7/12/2017						<0.0005 (D)	
7/20/2017						<0.0005 (D)	
7/28/2017						<0.0005	
8/9/2017						<0.0005	
8/24/2017						<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.0005	<0.0005		
9/25/2017	<0.0005	<0.0005					
9/26/2017			<0.0005				
10/2/2017							<0.0005
10/3/2017						<0.0005 (D)	
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005			
3/15/2018					<0.0005		
3/16/2018							<0.0005
3/21/2018						<0.0005	
9/12/2018	<0.0005	<0.0005		<0.0005	3.9E-05 (J)		
9/14/2018			3.8E-05 (J)				
9/17/2018							<0.0005
9/18/2018						<0.0005	
3/13/2019				<0.0005	<0.0005		
3/14/2019	<0.0005	<0.0005	<0.0005				
3/19/2019							<0.0005
3/21/2019						<0.0005 (D)	
9/10/2019	<0.0005 (D)	<0.0005	<0.0005				
9/11/2019				<0.0005	<0.0005		
9/12/2019						<0.0005 (D)	
9/13/2019							<0.0005
3/6/2020	<0.0005		<0.0005				
3/9/2020		<0.0005		<0.0005	<0.0005		
3/11/2020							<0.0005
3/12/2020						<0.0005	
9/10/2020	<0.0005	<0.0005	<0.0005				
9/11/2020				<0.0005			
9/14/2020					<0.0005		
9/16/2020							<0.0005
9/17/2020						<0.0005	
3/10/2021		<0.0005					
3/11/2021	<0.0005		<0.0005	<0.0005	<0.0005		
3/16/2021						<0.0005	
3/17/2021							<0.0005
8/4/2021	9E-05 (J)	9.4E-05 (J)	8E-05 (J)				
8/5/2021					9.6E-05 (J)		
8/6/2021				<0.0005			
8/9/2021							<0.0005
8/10/2021						<0.0005	
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
2/1/2022							<0.0005
2/3/2022						<0.0005	
8/10/2022			<0.0005		<0.0005		
8/11/2022	<0.0005	<0.0005		<0.0005			
8/16/2022							<0.0005
8/17/2022						<0.0005	
2/13/2023	0.00017 (J)	0.00013 (J)	0.00014 (J)		<0.0005		
2/14/2023				<0.0005			
2/16/2023							<0.0005
2/17/2023						<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/1/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/18/2007				<0.0005	<0.0005		
11/19/2007						<0.0005	<0.0005
11/20/2007		<0.0005	<0.0005				
1/16/2008						<0.0005	
1/30/2008		<0.0005	<0.0005	<0.0005	<0.0005		
1/31/2008							<0.0005
3/5/2008				<0.0005		<0.0005	<0.0005
3/6/2008		<0.0005	<0.0005		<0.0005		
5/7/2008				0.000181	<0.0005		
5/8/2008			<0.0005				
5/12/2008		<0.0005					<0.0005
5/13/2008						<0.0005	
12/12/2008	<0.0005						
12/13/2008		<0.0005				<0.0005	<0.0005
12/14/2008			<0.0005	<0.0005	<0.0005		
4/16/2009						<0.0005	
4/23/2009	<0.0005						
4/28/2009							<0.0005
4/29/2009		<0.0005	<0.0005	<0.0005	<0.0005		
10/6/2009	<0.0005						
10/20/2009		<0.0005					
10/21/2009			<0.0005			<0.0005	<0.0005
10/22/2009				<0.0005	<0.0005		
4/21/2010			<0.0005	<0.0005	<0.0005		
4/26/2010		<0.0005					
4/27/2010						<0.0005	
4/28/2010							<0.0005
5/3/2010	<0.0005						
9/28/2010			<0.0005	<0.0005			
9/29/2010		<0.0005			<0.0005		
10/5/2010						<0.0005	<0.0005
10/11/2010	<0.0005						
4/12/2011			<0.0005	<0.0005			
4/13/2011		<0.0005			<0.0005		
4/19/2011						<0.0005	<0.0005
4/27/2011	<0.0005						
10/4/2011			<0.0005	<0.0005	<0.0005		
10/5/2011		<0.0005					
10/12/2011						<0.0005	
10/18/2011							<0.0005
10/19/2011	<0.0005						
4/3/2012			<0.0005	<0.0005			
4/4/2012		<0.0005			<0.0005		
4/24/2012						<0.0005	
4/25/2012							<0.0005
5/1/2012	<0.0005						
10/2/2012	<0.0005					<0.0005	<0.0005
10/3/2012		<0.0005		<0.0005	<0.0005		
10/8/2012			<0.0005				
4/2/2013						<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.0005	<0.0005	<0.0005	<0.0005		
4/10/2013	<0.0005						
10/8/2013							<0.0005
10/9/2013				<0.0005	<0.0005	<0.0005	
10/15/2013		<0.0005	<0.0005				
10/16/2013	<0.0005						
4/1/2014						0.0002 (J)	0.0002 (J)
4/2/2014				0.0002 (J)	<0.0005		
4/9/2014		<0.0005	<0.0005				
4/22/2014	<0.0005						
10/1/2014	<0.0005						<0.0005
10/2/2014		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/30/2015	<0.0005						
4/1/2015				<0.0005	<0.0005	<0.0005	<0.0005
4/2/2015		<0.0005	<0.0005				
10/10/2015		<0.0005					
10/11/2015	<0.0005			<0.0005	<0.0005		
10/12/2015			<0.0005				
10/14/2015						<0.0005	
10/15/2015							<0.0005
3/28/2016	<0.0005						
3/31/2016		<0.0005	<0.0005				
4/4/2016				<0.0005	<0.0005	<0.0005	<0.0005
5/25/2016	<0.0005						
5/26/2016		<0.0005	<0.0005	<0.0005	<0.0005		
5/27/2016						<0.0005	
5/31/2016							<0.0005
8/1/2016	<0.0005						
8/3/2016			<0.0005	<0.0005		<0.0005	
8/4/2016					<0.0005		<0.0005
8/5/2016		<0.0005					
9/26/2016	<0.0005						
9/28/2016		<0.0005	<0.0005	<0.0005	<0.0005		
9/29/2016							<0.0005
9/30/2016						<0.0005	
11/11/2016	<0.0005						
11/22/2016		<0.0005	<0.0005	<0.0005	<0.0005	8E-05 (J)	
11/28/2016							<0.0005
1/30/2017	<0.0005						
2/7/2017		<0.0005	<0.0005				
2/8/2017				<0.0005	<0.0005		
2/9/2017							<0.0005
2/13/2017						<0.0005	
4/3/2017	<0.0005						
4/10/2017		<0.0005	<0.0005	<0.0005	<0.0005		
4/11/2017						<0.0005	
4/12/2017							<0.0005
6/12/2017	<0.0005						
6/14/2017		<0.0005	<0.0005			<0.0005	
6/15/2017				<0.0005	<0.0005		
6/16/2017							<0.0005
10/2/2017	<0.0005						

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/9/2017							<0.0005
3/16/2018	<0.0005						
3/20/2018		<0.0005					
3/21/2018			<0.0005	<0.0005			<0.0005
3/22/2018					<0.0005	<0.0005	
9/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9/19/2018							<0.0005
3/19/2019	<0.0005						
3/22/2019		<0.0005	<0.0005				
3/23/2019				<0.0005	<0.0005	<0.0005	<0.0005
9/12/2019	<0.0005						
9/17/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 (D)	
9/18/2019							<0.0005
3/11/2020	<0.0005						
3/12/2020		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/13/2020							<0.0005
9/15/2020	<0.0005						
9/17/2020		<0.0005	<0.0005				
9/21/2020				<0.0005	<0.0005	<0.0005	
9/22/2020							<0.0005
3/17/2021	<0.0005						
3/18/2021		<0.0005	<0.0005				<0.0005
3/19/2021				<0.0005	<0.0005	<0.0005	
8/9/2021	<0.0005						
8/10/2021		<0.0005					
8/11/2021			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2022	<0.0005					<0.0005	
2/4/2022		<0.0005	<0.0005	<0.0005	<0.0005		
2/17/2022							<0.0005
8/17/2022	<0.0005	<0.0005					
8/18/2022			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/16/2023	<0.0005						
2/20/2023		0.00028 (J)	0.0003 (J)	0.00019 (J)	0.00016 (J)		
2/21/2023						<0.0005	
2/22/2023							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.0005						
8/23/2007			<0.0005				
8/24/2007		<0.0005		<0.0005			
11/1/2007	<0.0005						
11/2/2007		<0.0005	<0.0005	<0.0005			
11/17/2007		<0.0005	<0.0005				
11/18/2007				<0.0005			
11/19/2007	<0.0005						
1/15/2008		<0.0005	<0.0005	<0.0005			
1/31/2008	<0.0005						
3/5/2008	<0.0005	<0.0005					
3/6/2008			<0.0005				
3/10/2008				<0.0005			
5/7/2008	<0.0005	<0.0005	<0.0005				
5/13/2008				<0.0005			
12/2/2008		<0.0005	<0.0005	<0.0005			
12/12/2008	<0.0005						
4/16/2009		<0.0005					
4/28/2009			<0.0005	<0.0005			
4/29/2009	<0.0005						
10/19/2009			<0.0005				
10/20/2009		<0.0005		<0.0005			
10/21/2009	<0.0005						
4/20/2010		<0.0005					
4/27/2010			<0.0005	<0.0005			
4/28/2010	<0.0005						
9/29/2010		<0.0005					
10/4/2010			<0.0005				
10/5/2010				<0.0005			
10/6/2010	<0.0005						
4/12/2011		<0.0005					
4/18/2011			<0.0005				
4/19/2011				<0.0005			
4/20/2011	<0.0005						
10/4/2011		<0.0005					
10/12/2011	<0.0005		<0.0005	<0.0005			
4/4/2012		<0.0005					
4/23/2012			<0.0005				
4/25/2012	<0.0005			<0.0005			
10/2/2012	<0.0005						
10/10/2012		<0.0005	<0.0005	<0.0005			
4/2/2013	<0.0005						
4/15/2013		<0.0005	<0.0005				
4/16/2013				<0.0005			
10/8/2013	<0.0005						
10/22/2013		<0.0005	<0.0005	<0.0005			
4/1/2014	0.0002 (J)						
4/21/2014		<0.0005	<0.0005	<0.0005			
9/30/2014		<0.0005	<0.0005	<0.0005			
10/1/2014	<0.0005						
3/31/2015	<0.0005						
4/3/2015		<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.0005			
10/7/2015		<0.0005	<0.0005				
10/14/2015	<0.0005						
3/16/2016					<0.0005	<0.0005	<0.0005
4/4/2016	<0.0005						
4/5/2016		<0.0005	<0.0005	<0.0005			
5/16/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
5/31/2016			<0.0005	<0.0005			
6/1/2016	<0.0005	<0.0005					
7/25/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
8/4/2016			<0.0005				
8/9/2016		<0.0005					
9/19/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
9/29/2016			<0.0005				
11/3/2016					<0.0005		<0.0005 (D)
11/4/2016						<0.0005 (D)	
11/23/2016			5E-05 (J)	6E-05 (J)			
11/28/2016		<0.0005					
1/19/2017					<0.0005		
1/20/2017							<0.0005 (D)
1/23/2017						<0.0005 (D)	
2/9/2017		<0.0005					
2/10/2017			<0.0005	<0.0005			
2/22/2017	<0.0005						
3/28/2017					<0.0005		
3/29/2017						0.000285 (J*D)	0.000285 (J*D)
4/11/2017	<0.0005	<0.0005		<0.0005			
4/12/2017			<0.0005				
6/5/2017					<0.0005		
6/7/2017						<0.0005	<0.0005
6/14/2017		<0.0005					
6/15/2017			<0.0005	<0.0005			
6/16/2017	<0.0005						
7/12/2017	<0.0005	<0.0005		<0.0005			
7/26/2017				<0.0005			
7/28/2017	<0.0005						
8/10/2017	<0.0005						
9/26/2017					<0.0005		
9/27/2017						<0.0005	<0.0005
10/5/2017		<0.0005					
10/6/2017	<0.0005		<0.0005	<0.0005			
3/15/2018					<0.0005	<0.0005	<0.0005
3/22/2018		<0.0005					
3/23/2018	<0.0005		<0.0005	<0.0005			
9/12/2018					<0.0005		
9/13/2018						<0.0005	<0.0005
9/19/2018		<0.0005	<0.0005	<0.0005			
9/20/2018	<0.0005						
3/14/2019					<0.0005	<0.0005 (D)	<0.0005 (D)
3/22/2019	<0.0005	<0.0005		<0.0005			
3/25/2019			<0.0005				
9/11/2019					<0.0005	<0.0005 (D)	<0.0005 (D)

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.0005	<0.0005	<0.0005			
9/18/2019	<0.0005						
3/10/2020					<0.0005	<0.0005	<0.0005
3/13/2020		<0.0005	<0.0005	<0.0005			
3/17/2020	<0.0005						
9/11/2020						<0.0005	<0.0005
9/15/2020					<0.0005		
9/21/2020		<0.0005	<0.0005	<0.0005			
9/22/2020	<0.0005						
3/11/2021					<0.0005	<0.0005	<0.0005
3/18/2021		<0.0005	<0.0005	<0.0005			
3/19/2021	<0.0005						
8/4/2021					8.7E-05 (J)		
8/6/2021						<0.0005	<0.0005
8/11/2021		<0.0005	<0.0005	<0.0005			
8/12/2021	<0.0005						
1/31/2022					<0.0005		
2/1/2022						<0.0005	<0.0005
2/4/2022	<0.0005	<0.0005	<0.0005				
2/7/2022				<0.0005			
8/12/2022						<0.0005	<0.0005
8/15/2022					<0.0005		
8/18/2022		<0.0005					
8/19/2022	<0.0005		<0.0005	<0.0005			
2/14/2023					<0.0005	<0.0005	<0.0005
2/22/2023	<0.0005	<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.0005
10/25/2007							<0.0005
11/19/2007							<0.0005
1/23/2008							<0.0005
3/11/2008							<0.0005
5/12/2008							<0.0005
12/11/2008							<0.0005
4/15/2009							<0.0005
10/9/2009							<0.0005
5/4/2010							<0.0005
10/12/2010							<0.0005
4/28/2011							<0.0005
10/19/2011							<0.0005
5/2/2012							<0.0005
10/9/2012							<0.0005
4/11/2013							<0.0005
10/16/2013							<0.0005
4/23/2014							<0.0005
10/3/2014							3.71E-05 (J)
3/31/2015							<0.0005
10/12/2015							<0.0005
3/10/2016	<0.0005	<0.0005	<0.0005	<0.0005			
3/17/2016					<0.0005	<0.0005	
3/28/2016							<0.0005
5/17/2016	<0.0005			<0.0005			
5/18/2016		<0.0005	<0.0005		<0.0005	<0.0005	
5/25/2016							<0.0005
7/26/2016	<0.0005						
7/27/2016		<0.0005	<0.0005	<0.0005	<0.0005		
7/28/2016						<0.0005	
8/1/2016							<0.0005
9/20/2016	<0.0005	<0.0005	<0.0005	<0.0005			
9/21/2016					<0.0005	<0.0005	
9/27/2016							<0.0005
11/4/2016	<0.0005		<0.0005	<0.0005	<0.0005		
11/7/2016		<0.0005				<0.0005	
11/11/2016							<0.0005
1/20/2017	<0.0005		<0.0005				
1/23/2017		<0.0005		<0.0005			
1/24/2017					5E-05 (J)	5E-05 (J)	
1/31/2017							<0.0005
3/28/2017	<0.0005			<0.0005			
3/29/2017		<0.0005 (*)	<0.0005 (*)		<0.0005 (*)		
3/30/2017						<0.0005 (*)	
4/3/2017							<0.0005
6/7/2017	<0.0005						
6/8/2017		<0.0005	<0.0005	<0.0005	<0.0005		
6/9/2017						<0.0005	
6/12/2017							<0.0005
9/27/2017		<0.0005	<0.0005				
9/29/2017	<0.0005			<0.0005	4E-05 (J)	<0.0005	
10/3/2017							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	
3/16/2018			<0.0005				
3/19/2018							<0.0005
9/13/2018	<0.0005	<0.0005	<0.0005	6.2E-05 (J)	<0.0005		
9/14/2018						<0.0005	
9/17/2018							<0.0005
3/15/2019		<0.0005		<0.0005			
3/18/2019	<0.0005				<0.0005		
3/19/2019			5E-05 (J)			4.5E-05 (J)	
3/20/2019							<0.0005
9/11/2019	<0.0005		<0.0005	<0.0005 (D)	<0.0005	<0.0005	
9/12/2019		<0.0005					
9/16/2019							<0.0005
3/9/2020		<0.0005	<0.0005	<0.0005		<0.0005	
3/10/2020	<0.0005						
3/11/2020					<0.0005		
3/16/2020							<0.0005
9/11/2020					<0.0005		
9/14/2020	<0.0005	<0.0005		0.00015 (J)		<0.0005	
9/15/2020			<0.0005				
9/16/2020							<0.0005
3/11/2021	<0.0005	<0.0005	<0.0005	0.0002 (J)			
3/15/2021					<0.0005	<0.0005	
3/17/2021							<0.0005
8/4/2021				0.0005			
8/5/2021	0.00015 (J)	0.00021	0.00023			0.0002	
8/9/2021							<0.0005
8/11/2021					<0.0005		
10/28/2021		<0.0005	<0.0005				
1/31/2022	<0.0005			0.00039			
2/1/2022		<0.0005	<0.0005		<0.0005	<0.0005	
2/2/2022							<0.0005
4/28/2022				0.0004			
8/15/2022	<0.0005	<0.0005	<0.0005	0.00038	<0.0005	<0.0005	
8/16/2022							<0.0005
2/14/2023	<0.0005	<0.0005	0.00013 (J)	0.00064	<0.0005	<0.0005	
2/20/2023							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.0005					
8/23/2007						<0.0005
10/25/2007	<0.0005					
11/1/2007						<0.0005
11/19/2007						<0.0005
11/20/2007	<0.0005					
1/15/2008						<0.0005
1/23/2008	<0.0005					
3/6/2008						<0.0005
3/11/2008	<0.0005					
5/13/2008						<0.0005
5/14/2008	<0.0005					
12/11/2008	<0.0005					
12/12/2008						<0.0005
4/16/2009						<0.0005
4/23/2009	<0.0005					
10/9/2009	<0.0005					
10/13/2009						<0.0005
4/21/2010						<0.0005
5/4/2010	<0.0005					
9/29/2010						<0.0005
10/11/2010	<0.0005					
4/13/2011						<0.0005
4/26/2011	<0.0005					
10/5/2011						<0.0005
10/18/2011	<0.0005			<0.0005		
4/4/2012						<0.0005
4/30/2012				<0.0005		
5/2/2012	<0.0005					
10/3/2012				<0.0005		
10/8/2012	<0.0005					<0.0005
4/8/2013				<0.0005		<0.0005
4/10/2013	<0.0005					
10/8/2013	<0.0005					
10/9/2013				<0.0005		<0.0005
4/9/2014						<0.0005
4/10/2014				<0.0005		
4/14/2014	<0.0005					
9/30/2014						<0.0005
10/2/2014				3.83E-05 (J)		
10/3/2014	3.29E-05 (J)					
4/1/2015	<0.0005					
4/2/2015						<0.0005
4/3/2015				<0.0005		
5/26/2015		<0.0005			<0.0005	
6/18/2015		<0.0005 (D)			<0.0005 (D)	
7/2/2015		<0.0005			<0.0005	
8/13/2015		<0.0005 (D)				
8/14/2015					<0.0005 (D)	
10/8/2015				<0.0005	<0.0005	
10/9/2015	<0.0005	<0.0005				
10/10/2015						<0.0005 (D)

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					<0.0005	
3/29/2016	<0.0005	<0.0005				
3/30/2016				<0.0005		<0.0005
5/24/2016	<0.0005	<0.0005		<0.0005		
5/25/2016					<0.0005	
5/26/2016						<0.0005
5/31/2016			<0.0005			
8/1/2016	<0.0005	<0.0005				
8/2/2016			<0.0005	<0.0005	<0.0005	
8/5/2016						<0.0005
9/26/2016	<0.0005	<0.0005			<0.0005	
9/27/2016			<0.0005	<0.0005		
9/28/2016						<0.0005
11/14/2016		<0.0005				
11/18/2016	<0.0005					
11/21/2016			<0.0005		<0.0005	<0.0005
11/22/2016				8E-05 (J)		
2/1/2017	<0.0005	<0.0005	<0.0005			
2/3/2017					<0.0005	
2/6/2017				<0.0005		<0.0005
4/6/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
4/7/2017					<0.0005	
6/13/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
6/14/2017				<0.0005		
7/14/2017			<0.0005			
10/3/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
10/4/2017				<0.0005		
3/19/2018	<0.0005					
3/20/2018		<0.0005	<0.0005		<0.0005	<0.0005
3/21/2018				<0.0005		
9/17/2018	<0.0005	<0.0005				
9/18/2018			<0.0005	<0.0005	<0.0005	<0.0005 (D)
3/21/2019	<0.0005	<0.0005	<0.0005			<0.0005
3/27/2019				<0.0005		
5/6/2019					<0.0005	
9/13/2019			<0.0005			
9/16/2019	<0.0005	<0.0005		<0.0005 (D)	<0.0005	<0.0005
3/12/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/16/2020					<0.0005	
9/16/2020	<0.0005	<0.0005	<0.0005			
9/17/2020				<0.0005	<0.0005	<0.0005
3/17/2021	<0.0005	<0.0005	<0.0005	<0.0005		
3/18/2021					<0.0005	<0.0005
8/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/17/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/17/2023	<0.0005	<0.0005				
2/20/2023			<0.0005		<0.0005	
2/21/2023				<0.0005		<0.0005

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			0.028	
10/23/2007	0.0096						
10/24/2007		0.026 (O)	0.0025				
11/2/2007						0.041	
11/18/2007	0.023	0.043 (O)	0.0093			0.14 (O)	
1/30/2008	0.11 (O)						
1/31/2008		0.0075	0.054 (O)			0.053	
3/10/2008	0.024		0.0054				
3/11/2008		0.019				0.076 (o)	
5/6/2008		0.004					
5/13/2008	0.006		0.0043				
5/14/2008						0.074 (o)	
12/4/2008		0.02	<0.005				
12/5/2008	<0.005					0.032	
4/15/2009	<0.005					0.028	
4/21/2009		<0.005	<0.005				
10/7/2009	0.0096	<0.005					
10/8/2009			<0.005			0.032	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						0.029	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		0.0025					
10/6/2010						0.031	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						0.019	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						0.028	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						0.0253	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			0.023	
4/11/2013			<0.005			0.021	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		0.0028					
10/16/2013	<0.005		<0.005			0.018	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						0.015	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						0.017	
3/30/2015	0.004	0.0018 (J)	<0.005				

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.045	
10/12/2015						0.019	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					0.00544 (J)		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			0.019	
5/11/2016					0.0149		<0.005
5/16/2016				0.0136 (D)			
7/19/2016					0.0044 (J)		
7/21/2016							<0.005
7/27/2016				0.0224 (D)			
7/29/2016	<0.005	<0.005	<0.005			0.0161	
9/15/2016					0.0047 (J)		<0.005
11/2/2016					0.0025 (J)		
11/3/2016							<0.005
1/17/2017							<0.005
1/18/2017					0.004 (J)		
2/21/2017				0.0007 (J)			
3/24/2017							<0.005 (*)
3/27/2017				<0.005 (D)			
3/28/2017					0.0034 (J)		
3/30/2017	0.0004 (J)	0.0006 (J)				0.018	
4/3/2017			<0.005				
9/26/2017					0.0016 (J)		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						0.0158	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		<0.005				0.015	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					0.014	
3/13/2019							<0.005
3/14/2019				0.0017 (J)			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				0.01	
9/9/2019					0.0014 (J)		<0.005
9/12/2019	0.00038 (J)	0.00518 (JD)					
9/13/2019			<0.005			0.012	
3/9/2020				0.00083 (J)	0.04 (o)		<0.005
3/11/2020	0.00068 (J)	0.0014 (J)	0.002 (J)			0.012	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	0.0013 (J)				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					0.0015 (J)		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.00081 (J)			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					0.00095 (J)		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.0035
4/23/2009							0.0032
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							0.0028
10/5/2011							0.0028
4/11/2012							<0.005
10/2/2012							0.0026
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							0.0025 (J)
10/1/2014							<0.005
3/30/2015							0.0015 (J)
10/11/2015							0.0013 (J)
3/11/2016			<0.01	0.00288 (J)	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			0.00233 (J)				
7/19/2016				0.0006 (J)	<0.005		
7/20/2016	0.0006 (J)						
7/21/2016		0.0009 (J)					
7/22/2016			0.0014 (J)				
8/1/2016							<0.005
9/15/2016	0.0009 (J)						
9/16/2016				0.0008 (J)	<0.005		
9/19/2016			0.0014 (J)				
9/21/2016		<0.005					
11/2/2016				0.0007 (J)	<0.005		
11/3/2016	0.0011 (J)	<0.005	0.0013 (J)				
1/17/2017		<0.005	0.0011 (J)				
1/18/2017	0.0007 (J)			0.0006 (J)	0.0006 (J)		
3/24/2017	<0.005 (*)						
3/27/2017		<0.005 (*)	<0.01 (*)				
3/28/2017				<0.005 (*)	<0.005 (*)		
4/7/2017						<0.005	0.0011 (J)
9/22/2017				0.0007 (J)	<0.005		
9/25/2017	<0.005	0.0012 (J)					
9/26/2017			0.0011 (J)				
10/2/2017							0.0013 (J)
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	0.0014 (J)	0.0012 (J)	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	0.0011 (J)		<0.005	<0.005		
9/14/2018			0.0012 (J)				
9/17/2018							0.00096 (J)
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.005	0.001 (J)	0.0015 (J)				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	0.0004 (JD)	0.00084 (J)	0.0012 (J)				
9/11/2019				0.00082 (J)	<0.005		
9/12/2019						0.00032 (JD)	
9/13/2019							0.00063 (J)
3/6/2020	0.0089 (J)		0.0015 (J)				
3/9/2020		0.00036 (J)		0.00082 (J)	<0.005		
3/11/2020							0.00084 (J)
3/12/2020						0.00034 (J)	
9/10/2020	<0.005	<0.005	0.0011 (J)				
9/11/2020				0.00089 (J)			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		0.0011 (J)	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	0.0011 (J)				
8/5/2021					<0.005		
8/6/2021				0.00084 (J)			
8/9/2021							0.00077 (J)
8/10/2021						<0.005	
1/31/2022	<0.005	0.00091 (J)	0.0011 (J)	0.00077 (J)	<0.005		
2/1/2022							0.0008 (J)
2/3/2022						<0.005	
8/10/2022			0.0016 (J)		<0.005		
8/11/2022	0.00083 (J)	<0.005		<0.005			
8/16/2022							0.00071 (J)
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	0.0013 (J)		<0.005		
2/14/2023				<0.005			
2/16/2023							0.00082 (J)
2/17/2023						<0.005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.01	0.0076
11/1/2007		0.0042	0.006	<0.005	<0.005	<0.01	0.0043
11/18/2007				<0.005	<0.005		
11/19/2007						0.0047	0.0061
11/20/2007		0.026	<0.005				
1/16/2008						0.029	
1/30/2008		0.032	0.029 (C)	<0.005	<0.005		
1/31/2008							0.015
3/5/2008				<0.005		0.023	<0.005
3/6/2008		0.019	<0.005		0.0046		
5/7/2008				0.0087	<0.005		
5/8/2008			0.0057				
5/12/2008		0.0072					0.0035
5/13/2008						0.0032	
12/12/2008	0.0096						
12/13/2008		0.024				<0.01	0.0079
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						<0.01	
4/23/2009	0.015						
4/28/2009							<0.005
4/29/2009		0.0026	<0.005	<0.005	<0.005		
10/6/2009	0.008						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.01	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						<0.01	
4/28/2010							<0.005
5/3/2010	0.0053						
9/28/2010			<0.005	<0.005			
9/29/2010		0.0042			<0.005		
10/5/2010						<0.01	<0.005
10/11/2010	0.0061						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						0.0025	<0.005
4/27/2011	0.0087						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.01	
10/18/2011							0.0031
10/19/2011	0.0039						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.01	
4/25/2012							<0.005
5/1/2012	0.0054						
10/2/2012	0.0044					<0.01	<0.005
10/3/2012		0.004		0.0042	<0.005		
10/8/2012			<0.005				
4/2/2013						0.003	<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0028	<0.005	<0.005	<0.005		
4/10/2013	0.0053						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.01	
10/15/2013		0.0036	<0.005				
10/16/2013	0.0047						
4/1/2014						0.0025 (J)	<0.005
4/2/2014				0.0025 (J)	<0.005		
4/9/2014		0.0025 (J)	<0.005				
4/22/2014	0.0045						
10/1/2014	0.0018 (J)						<0.005
10/2/2014		<0.005	<0.005	0.0016 (J)	<0.005	<0.01	
3/30/2015	0.0037						
4/1/2015				<0.005	0.0041	0.0014 (J)	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	0.0018 (J)			<0.005	<0.005		
10/12/2015			<0.005				
10/14/2015						0.0021 (J)	
10/15/2015							<0.005
3/28/2016	0.0028 (J)						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	0.00264 (J)	<0.005
8/1/2016	<0.01						
8/3/2016			<0.005	<0.005		<0.01	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
4/3/2017	0.0022 (J)						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						0.0027 (J)	
4/12/2017							<0.005
10/2/2017	0.0021 (J)						
10/4/2017		<0.005	0.0006 (J)	<0.005	<0.005	0.0022 (J)	
10/9/2017							<0.005
3/16/2018	0.0014 (J)						
3/20/2018		0.0016 (J)					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	0.0025 (J)	
9/18/2018	0.0012 (J)	<0.005	<0.005	<0.005	<0.005	0.0024 (J)	
9/19/2018							<0.005
3/19/2019	0.0016 (J)						
3/22/2019		0.0022 (J)	<0.005				
3/23/2019				<0.005	<0.005	0.0026 (J)	<0.005
9/12/2019	0.0015 (J)						
9/17/2019		<0.005	<0.005	<0.005	<0.005	0.0033 (JD)	
9/18/2019							0.00046 (J)
3/11/2020	0.001 (J)						
3/12/2020		0.0015 (J)	0.00043 (J)	<0.005	<0.005	0.0022 (J)	
3/13/2020							<0.005
9/15/2020	0.0012 (J)						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	0.0019 (J)	

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.005
3/17/2021	0.0012 (J)						
3/18/2021		0.00094 (J)	0.0011 (J)				<0.005
3/19/2021				<0.005	<0.005	0.0022 (J)	
8/9/2021	0.00097 (J)						
8/10/2021		0.00081 (J)					
8/11/2021			<0.005	<0.005	<0.005	0.0019 (J)	<0.005
2/2/2022	0.00089 (J)					0.0025 (J)	
2/4/2022		0.0014 (J)	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	0.0011 (J)	<0.005					
8/18/2022			<0.005	<0.005	<0.005	0.0023 (J)	<0.005
2/16/2023	0.00081 (J)						
2/20/2023		0.0019 (J)	<0.005	<0.005	<0.005		
2/21/2023						0.0022 (J)	
2/22/2023							<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			0.0089				
8/24/2007		<0.005		<0.005			
11/1/2007	0.0033						
11/2/2007		0.0029	0.0036	<0.005			
11/17/2007		0.0086	0.014 (O)				
11/18/2007				0.0088 (J)			
11/19/2007	0.0029						
1/15/2008		0.011	0.0096	0.019			
1/31/2008	0.0039						
3/5/2008	<0.005	0.0072					
3/6/2008			0.0038				
3/10/2008				0.017			
5/7/2008	<0.005	0.0045	0.0056				
5/13/2008				0.0058			
12/2/2008		0.011	0.003	0.0043			
12/12/2008	0.022 (O)						
4/16/2009		0.0061					
4/28/2009			<0.005	<0.005			
4/29/2009	0.0034						
10/19/2009			<0.005				
10/20/2009		0.01		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			0.004	<0.005			
4/28/2010	0.0026						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.01	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.005	0.00316 (JD)	<0.005 (D)
7/25/2016					0.0006 (J)	0.0013 (JD)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		0.0021 (J)					
9/19/2016					0.0008 (J)	0.0013 (JD)	<0.005 (D)
11/3/2016					0.0007 (J)		<0.005 (D)
11/4/2016						0.0015 (JD)	
1/19/2017					0.0009 (J)		
1/20/2017							<0.005 (D)
1/23/2017						0.0015 (JD)	
3/28/2017					<0.005 (*)		
3/29/2017						0.0012 (JD)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			<0.005				
9/26/2017					0.0007 (J)		
9/27/2017						0.0014 (J)	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		0.001 (J)	<0.005			
3/15/2018					<0.005	0.0011 (J)	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						0.001 (J)	<0.005
9/19/2018		0.00096 (J)	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	0.001 (JD)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			0.0011 (J)				
9/11/2019					0.00058 (J)	0.0012 (JD)	<0.005 (D)
9/17/2019		0.0007 (X)	0.00057 (J)	<0.005			
9/18/2019	<0.005						
3/10/2020					0.00086 (J)	0.0012 (J)	<0.005
3/13/2020		0.00078 (J)	0.00072 (J)	<0.005			
3/17/2020	0.00082 (J)						
9/11/2020						0.00099 (J)	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	0.0015 (J)	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	0.00092 (J)	<0.005
3/18/2021		<0.005	0.00079 (J)	<0.005			
3/19/2021	<0.005						
8/4/2021					<0.005		
8/6/2021						0.00098 (J)	0.00095 (J)
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						0.0011 (J)	<0.005
2/4/2022	<0.005	<0.005	0.00093 (J)				
2/7/2022				<0.005			
8/12/2022						0.00086 (J)	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.00073 (J)	0.00092 (J)	0.004 (J)
2/22/2023	<0.005	<0.005	<0.005	<0.005			

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0069
10/25/2007							0.038
11/19/2007							0.025
1/23/2008							0.047
3/11/2008							0.042
5/12/2008							0.031
12/11/2008							0.027
4/15/2009							0.025
10/9/2009							0.051
5/4/2010							0.025
10/12/2010							0.024
4/28/2011							0.01
10/19/2011							0.03
5/2/2012							0.0429
10/9/2012							0.033
4/11/2013							0.02
10/16/2013							0.028
4/23/2014							0.024
10/3/2014							0.032
3/31/2015							0.012
10/12/2015							0.012
3/10/2016	<0.005	<0.005	<0.005	0.00432 (J)			
3/17/2016					<0.005	0.00421 (J)	
3/28/2016							0.0172
5/17/2016	<0.005			0.00489 (J)			
5/18/2016		<0.005	<0.005		<0.005	<0.01	
7/26/2016	<0.005						
7/27/2016		<0.005	0.0007 (J)	0.0036 (J)	<0.005		
7/28/2016						0.0024 (J)	
8/1/2016							0.0113
9/20/2016	0.0013 (J)	<0.005	0.0007 (J)	0.0035 (J)			
9/21/2016					<0.005	0.0044 (J)	
11/4/2016	<0.005		0.0006 (J)	0.0035 (J)	<0.005		
11/7/2016		<0.005				0.0035 (J)	
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.01			
1/24/2017					<0.005	0.005 (J)	
3/28/2017	<0.005			0.0033 (J)			
3/29/2017		0.0004 (J)	0.0003 (J)		<0.005		
3/30/2017						0.0046 (J)	
4/3/2017							0.0114
9/27/2017		<0.005	<0.005				
9/29/2017	<0.005			0.0036 (J)	<0.005	0.004 (J)	
10/3/2017							0.0098 (J)
3/15/2018	<0.005	<0.005		0.0033 (J)	<0.005	0.0028 (J)	
3/16/2018			<0.005				
3/19/2018							0.0092 (J)
9/13/2018	<0.005	<0.005	<0.005	0.0038 (J)	<0.005		
9/14/2018						0.0024 (J)	
9/17/2018							0.0085 (J)
3/15/2019		<0.005		0.0033 (J)			
3/18/2019	<0.005				<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			0.0042 (J)			0.0047 (J)	
3/20/2019							0.008 (J)
9/11/2019	<0.005		0.0014 (J)	0.00405 (JD)	<0.005	0.0012 (J)	
9/12/2019		<0.005					
9/16/2019							0.008 (J)
3/9/2020		<0.005	<0.005	0.0039 (J)		0.003 (J)	
3/10/2020	<0.005						
3/11/2020					0.0004 (J)		
3/16/2020							0.015
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		0.0046 (J)		0.0014 (J)	
9/15/2020			<0.005				
9/16/2020							0.0075 (J)
3/11/2021	<0.005	<0.005	<0.005	0.0047 (J)			
3/15/2021					<0.005	0.0013 (J)	
3/17/2021							0.0077
8/4/2021				0.0045 (J)			
8/5/2021	<0.005	<0.005	<0.005			0.0023 (J)	
8/9/2021							0.0089
8/11/2021					<0.005		
1/31/2022	<0.005			0.0052			
2/1/2022		<0.005	<0.005		<0.005	0.0014 (J)	
2/2/2022							0.0088
8/15/2022	<0.005	<0.005	<0.005	0.0056	<0.005	0.0022 (J)	
8/16/2022							0.0087
2/14/2023	<0.005	<0.005	<0.005	0.0058	<0.005	0.0018 (J)	
2/20/2023							0.0087

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						0.0046
10/25/2007	0.0028					
11/1/2007						0.0057
11/19/2007						0.014 (J)
11/20/2007	0.012					
1/15/2008						0.057 (O)
1/23/2008	0.046 (O)					
3/6/2008						0.046 (O)
3/11/2008	0.0091					
5/13/2008						0.0069
5/14/2008	0.022					
12/11/2008	0.005					
12/12/2008						0.0061
4/16/2009						0.0067 (J)
4/23/2009	0.0031					
10/9/2009	0.0053					
10/13/2009						0.0054
4/21/2010						<0.01
5/4/2010	<0.005					
9/29/2010						<0.01
10/11/2010	0.0042					
4/13/2011						<0.01
4/26/2011	0.0051					
10/5/2011						<0.01
10/18/2011	<0.005			<0.005		
4/4/2012						<0.01
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.01
4/8/2013				<0.005		<0.01
4/10/2013	<0.005					
10/8/2013	0.0025					
10/9/2013				<0.005		0.0029
4/9/2014						0.0025 (J)
4/10/2014				<0.005		
4/14/2014	0.0025 (J)					
9/30/2014						<0.01
10/2/2014				<0.005		
10/3/2014	0.0021 (J)					
4/1/2015	0.0026					
4/2/2015						0.0016 (J)
4/3/2015				<0.005		
5/26/2015		<0.005			0.002 (J)	
6/18/2015		<0.005 (D)			0.0025 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.003	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						0.00295 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.00202 (J)
8/1/2016	<0.005	<0.005				
8/2/2016			0.0011 (J)	<0.005	<0.005	
8/5/2016						<0.01
4/6/2017	0.0005 (J)	<0.005	0.0011 (J)	0.0003 (J)		0.001 (J)
4/7/2017					0.0007 (J)	
10/3/2017	<0.005	<0.005	0.0012 (J)		0.0006 (J)	0.0007 (J)
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	0.00097 (J)
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.01 (D)
3/21/2019	<0.005	<0.005	0.00099 (J)			0.001 (J)
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			0.00061 (J)			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	0.00062 (J)
3/12/2020	<0.005	<0.005	0.00078 (J)	<0.005		0.0011 (J)
3/16/2020					0.0006 (J)	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.01
3/17/2021	<0.005	<0.005	<0.005	<0.005		
3/18/2021					<0.005	0.001 (J)
8/10/2021	<0.005	<0.005	0.0009 (J)	<0.005	<0.005	0.001 (J)
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.0011 (J)
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.0011 (J)
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		0.001 (J)

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					6.91		
3/15/2016							7.58
3/22/2016	7.65						
3/23/2016		6.7	7.45			5.96	
5/11/2016					6.51		7.24
5/16/2016				7.61 (D)			
5/19/2016	7.6		7.5				
5/20/2016		6.36					
5/23/2016						5.73	
7/19/2016					6.12		
7/21/2016							7.53
7/27/2016				7.51 (D)			
7/29/2016	7.58	6.75	7.59			5.51	
9/15/2016					5.96		7
9/19/2016							7.19
9/22/2016			7.44			5.45	
9/23/2016	7.57	6.62					
11/2/2016					5.78		
11/3/2016							7.13
11/9/2016	7.45	6.42					
11/10/2016			7.55			5.51	
1/17/2017							7.51
1/18/2017					6.13		
1/30/2017	7.64						
1/31/2017		5.66	7.56			5.42	
2/21/2017				7.76 (D)			
3/24/2017							7.55
3/27/2017				7.7 (D)			
3/28/2017					6.59		
3/30/2017	7.51	6.33				5.43	
4/3/2017			7.46				
5/24/2017							7.6
6/7/2017					6.72		
6/8/2017				7.69 (D)			
6/9/2017	7.6		7.24				
6/12/2017		6.6				5.47	
7/17/2017				7.57 (D)			
7/26/2017				7.63			
7/27/2017				7.63			
8/8/2017				7.73			
8/9/2017				7.73			
9/26/2017					7.05		7.66
9/29/2017				7.7 (D)			
10/2/2017	7.55	5.61	7.35				
10/4/2017						5.23	
12/28/2017					6.79 (Y)		7.34 (Y)
3/14/2018					7.42		7.56
3/16/2018	7.58		7.31	7.49			
3/19/2018		6.55				5.4	
9/12/2018					6.86		7.12
9/14/2018		5.81	7.55	7.32			
9/17/2018	7.53 (D)					5.22	

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			7.37	6.43	7.89		
3/15/2016	6.74	7.15					
3/28/2016							6.22
5/12/2016	6.41						
5/13/2016		7.29		6.8	7.86		
5/16/2016			7.55				
5/23/2016							5.86
7/19/2016				6.42	7.83		
7/20/2016	6.59						
7/21/2016		7.43					
7/22/2016			7.51				
8/1/2016							6.39
9/16/2016				6.19	7.75		
9/19/2016			7.52				
9/21/2016		7.05					
9/26/2016							5.74
11/2/2016				6.36	7.77		
11/3/2016	6.45	7.4	7.56				
11/10/2016							5.78
1/17/2017		7.06	7.59				
1/18/2017	6.34			6.16	7.65		
1/30/2017							5.88
2/22/2017						7.38 (D)	
3/24/2017	6.42						
3/27/2017		7.13	7.63				
3/28/2017				5.8	7.79		
4/7/2017						7.35 (D)	5.94
6/6/2017	6.82	7.18		5.97	7.89		
6/7/2017			7.55				
6/12/2017							5.81
6/14/2017						7.3 (D)	
7/11/2017						7.39	
7/12/2017						7.39 (D)	
7/19/2017						7.44	
7/20/2017						7.44 (D)	
7/27/2017						7.5	
7/28/2017						7.5	
8/8/2017						7.52	
8/9/2017						7.52	
8/23/2017						7.5	
8/24/2017						7.5	
9/22/2017				5.77	7.8		
9/25/2017	6.63	6.88					
9/26/2017			7.59				
10/2/2017							5.93
10/3/2017						7.51 (D)	
12/28/2017					7.78 (Y)	7.32 (Y)	
3/14/2018	7.08	7.04	7.6	5.85			
3/15/2018					7.66		
3/16/2018							5.64
3/21/2018						7.3	
9/12/2018	6.54	7.02		5.65	7.75		

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	6.45						
3/31/2016		7.21	7.54				
4/4/2016				7.16	8.01	6.53	7.44
5/25/2016	6.96						
5/26/2016		7.3	7.43	7.23	7.91		
5/27/2016						6.45	
5/31/2016							7.37
8/1/2016	5.64						
8/3/2016			7.41	6.96		6.41	
8/4/2016					7.85		7.32
8/5/2016		7.54					
9/26/2016	6.26						
9/28/2016		7.48	7.26	7.6	8.26		
9/29/2016							7.38
9/30/2016						6.46	
11/11/2016	5.62						
11/22/2016		7.54	7.38	6.71	7.79	6.39	
11/28/2016							7.43
1/30/2017	5.49						
2/7/2017		7.17	7.46				
2/8/2017				6.84	7.77		
2/9/2017							7.36
2/13/2017						6.4	
4/3/2017	6.32						
4/10/2017		6.72	7.51	7.13	7.95		
4/11/2017						6.37	
4/12/2017							7.46
6/12/2017	6.48						
6/14/2017		6.83	7.34			5.85	
6/15/2017				7.1	7.79		
6/16/2017							7.36
10/2/2017	6.41						
10/4/2017		7.38	7.54	6.25	7.74	6.27	
10/9/2017							7.38
3/16/2018	5.46						
3/20/2018		6.23					
3/21/2018			7.33	7.07			7.33
3/22/2018					7.72	6.45	
9/18/2018	5.35	7.14	7.66	6.9	7.88	6.42	
9/19/2018							7.31
3/19/2019	6.01						
3/22/2019		6.23	7.34				
3/23/2019				6.27	7.56	6.34	7.27
9/12/2019	5.89						
9/17/2019		7.16	7.51	6.55	7.58	6.19 (D)	
9/18/2019							7.28
3/11/2020	5.4						
3/12/2020		6.43	7.49	6.3	7.6	6.17	
3/13/2020							7.25
9/15/2020	5.26						
9/17/2020		7.28	7.7				
9/21/2020				7.02	7.84	6.28	

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							7.34
3/17/2021	6.31						
3/18/2021		6.69	7.52				7.3
3/19/2021				7.05	7.64	6.31	
5/26/2021					7.55		
8/9/2021	5.16						
8/10/2021		6.63					
8/11/2021			7.46	6.02	7.65	6.05	7.07
2/2/2022	5.17					6.35	
2/4/2022		6.53	7.69	7.2	7.58		
2/17/2022							7.24
4/28/2022						6.33	
8/17/2022	5.7	7.01					
8/18/2022			7.52	6.08	7.57	6.03	6.95
2/16/2023	4.73						
2/20/2023		5.39	7.08	5.52	7.2		
2/21/2023						6.18	
2/22/2023							6.96

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					4.49	5.1	7.22
4/4/2016	8.56 (o)						
4/5/2016		10.61 (o)	7.71	7.71			
5/16/2016					4.55	5.15	7.34
5/31/2016			7.66	9.52 (o)			
6/1/2016	9.83 (o)	10.32 (o)					
7/25/2016					4.63	5.13	7.38
8/4/2016			7.8				
8/9/2016		8.23 (o)					
9/19/2016					4.65	5	7.37
9/29/2016			7.46				
11/3/2016					4.69		7.52
11/4/2016						5.02	
11/23/2016			7.62	7.88			
11/28/2016		7.29					
1/19/2017					4.58		
1/20/2017							7.3
1/23/2017						4.9	
2/9/2017		6.91					
2/10/2017			7.51	7.72			
2/22/2017	7.45						
3/28/2017					4.45		
3/29/2017						5.08	7.29
4/11/2017	6.37	6.68		7.83			
4/12/2017			7.54				
6/5/2017					4.33		
6/7/2017						5.06	7.43
6/14/2017		6.84					
6/15/2017			7.71	7.86			
6/16/2017	7.33						
7/12/2017	7.46	6.54		7.73			
7/20/2017					4.38		
7/26/2017				7.71			
7/27/2017	7.37						
7/28/2017	7.37						
8/9/2017	7.38						
8/10/2017	7.38						
9/26/2017					4.51		
9/27/2017						4.92	7.2
10/5/2017		6.93					
10/6/2017	6.55		7.58	7.74			
12/28/2017	7.43 (Y)						
12/29/2017						5.08 (Y)	
3/15/2018					4.34	4.6	6.87
3/22/2018		6.93					
3/23/2018	7.58		7.34	7.89			
9/12/2018					4.49		
9/13/2018						5.26	7.31
9/19/2018		6.88	7.66	7.77			
9/20/2018	7.43						
3/14/2019					4.41	5.01 (D)	7.14 (D)
3/22/2019	7.49	6.27		7.55			

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/25/2019			7.64				
9/11/2019					4.36	4.93 (D)	7.2 (D)
9/17/2019		6.04	7.35	7.76			
9/18/2019	7.5						
3/10/2020					4.44	4.98	7.05
3/13/2020		6.16	7.56	7.68			
3/17/2020	7.62						
9/11/2020						4.91	7.26
9/15/2020					4.46		
9/21/2020		6.06	7.48	7.65			
9/22/2020	6.95						
12/15/2020						4.92	
3/11/2021					4.21	4.68	7.21
3/18/2021		6.04	7.58	7.87			
3/19/2021	7.42						
8/4/2021					4.38		
8/6/2021						4.65	7.05
8/11/2021		6.09	7.59	7.81			
8/12/2021	7.11						
1/31/2022					4.78		
2/1/2022						4.88	7.15
2/4/2022	7.46	6.06	7.61				
2/7/2022				7.83			
8/12/2022						4.7	7.08
8/15/2022					4.3		
8/18/2022		5.95					
8/19/2022	6.66		7.5	7.6			
2/14/2023					3.95	4.26	6.71
2/22/2023	7.15	5.97	7.32	7.49			

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	7.39	7.56	8.08	5.66			
3/17/2016					7.82	6.4	
3/28/2016							7.04
5/17/2016	7.32			5.11			
5/18/2016		7.58	7.91		7.85	6.17	
5/25/2016							6.39
7/26/2016	7.32						
7/27/2016		7.58	7.83	5.17	7.87		
7/28/2016						5.85	
8/1/2016							6.13
9/20/2016	7.3	7.68	7.69	5.12			
9/21/2016					7.8	5.61	
9/27/2016							5.98
11/4/2016	7.38		7.75	5.03	7.89		
11/7/2016		7.7				5.71	
11/11/2016							6.11
1/20/2017	7.29		7.6				
1/23/2017		7.61		5.1			
1/24/2017					7.97	5.58	
1/31/2017							6.08
3/28/2017	7.21			5.03			
3/29/2017		7.57	7.63		7.71		
3/30/2017						5.44	
4/3/2017							6.13
6/7/2017	7.47						
6/8/2017		7.48	7.64	4.77	7.86		
6/9/2017						5.11	
6/12/2017							6.83
9/27/2017		7.55	7.62				
9/29/2017	7.42			5.06	7.72	5.51	
10/3/2017							6.2
12/28/2017		7.59 (Y)		5.07 (Y)	7.71 (Y)		
1/10/2018						5.51 (Y)	
3/15/2018	7.22	7.42		5.14	7.51	5.12	
3/16/2018			7.72				
3/19/2018							6.06
9/13/2018	7.52	7.49	7.68	5.02	8.02		
9/14/2018						5.38	
9/17/2018							6.14
3/15/2019		7.45		5.28			
3/18/2019	7.39				7.89		
3/19/2019			7.93			5.6	
3/20/2019							6.29
9/11/2019	7.36		7.55	4.93	8.22	5.35	
9/12/2019		7.48					
9/16/2019							6.09
3/9/2020		7.19	7.51	5.18		5.6	
3/10/2020	7.44						
3/11/2020					8.19		
3/16/2020							6.88
9/11/2020					8		
9/14/2020	7.43	7.54		5		5.32	

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/15/2020			7.64				
9/16/2020							6
3/11/2021	7.53	7.34	7.48	4.95			
3/15/2021					8.05	5.31	
3/17/2021							5.85
5/26/2021	7.39			4.72			
8/4/2021				4.91			
8/5/2021	7.44	7.41	7.45			5.34	
8/9/2021							5.71
8/11/2021					7.98		
10/28/2021		7.34	7.36				
1/31/2022	7.48			4.86			
2/1/2022		7.55	7.54		7.63	5	
2/2/2022							5.9
4/28/2022				5			5.78
8/15/2022	7.58	7.43	7.35	4.89	7.81	5.06	
8/16/2022							5.84
2/14/2023	7.49	7.2	7.38	4.75	7.75	5.15	
2/20/2023							5.78

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					7.53	
3/29/2016	7.54	7.24				
3/30/2016				8.2		6.07
5/24/2016	7.39	7.1		8.07		
5/25/2016					8.04	
5/26/2016						6.44
5/31/2016			7.98			
8/1/2016	7.26	7.07				
8/2/2016			7.64	8.07	7.74	
8/5/2016						6.67
9/26/2016	7.19	7.15			7.4	
9/27/2016			7.18	8.06		
9/28/2016						6.89
11/14/2016		7.15				
11/18/2016	7.04					
11/21/2016			7.49		7.4	6.89
11/22/2016				8.07		
2/1/2017	7.34	7.09	7.2			
2/3/2017					7.05	
2/6/2017				7.88		4.93
4/6/2017	7.49	7.23	7.42	7.86		4.92
4/7/2017					7.14	
6/13/2017	7.38	6.99	7.25		7.52	5.03
6/14/2017				7.66		
7/14/2017			7.5			
10/3/2017	7.39	7.09	7.5		7.38	6.01
10/4/2017				7.84		
1/9/2018				7.86 (Y)		
3/19/2018	7.32					
3/20/2018		6.9	6.76		7.27	4.88
3/21/2018				7.9		
9/17/2018	7.57	6.96				
9/18/2018			7.26	7.92	6.95	5.36 (D)
3/21/2019	7.21	6.82	7.3			5.33
3/27/2019				8.07		
5/6/2019					7.98	
9/13/2019			6.8			
9/16/2019	7.35	6.83		7.9 (D)	7.15	6.03
3/12/2020	7.4	6.88	7.53	8.02		4.82
3/16/2020					7.01	
9/16/2020	7.33	6.99	7.56			
9/17/2020				7.96	7.05	6.39
3/17/2021	7.57	7.03	7.52	8.08		
3/18/2021					6.45	4.78
8/10/2021	7.16	6.65	7.13	7.89	6.99	4.71
2/2/2022	7.4	6.8	7.54	8.13	8.92	4.81
4/28/2022					6.91	
8/17/2022	7.3	6.64	7.34	7.87	6.36	4.57
2/17/2023	7.11	6.41				
2/20/2023			7.4		6.87	
2/21/2023				7.88		4.59

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			<0.005	
10/23/2007	<0.005						
10/24/2007		<0.005	<0.005				
11/2/2007						<0.005	
11/18/2007	<0.005	<0.005	<0.005			<0.005	
1/30/2008	<0.005						
1/31/2008		<0.005	<0.005			<0.005	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				<0.005	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						<0.005	
12/4/2008		<0.005	<0.005				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	<0.005	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	<0.005	<0.005	<0.005				

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
5/19/2016	<0.005		<0.005				
5/20/2016		0.00216 (J)					
5/23/2016						<0.005	
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				<0.005 (D)			
7/29/2016	<0.005	0.001 (J)	<0.005			<0.005	
9/15/2016					<0.005		<0.005
9/22/2016			<0.005			<0.005	
9/23/2016	<0.005	<0.005					
11/2/2016					<0.005		
11/3/2016							<0.005
11/9/2016	<0.005	<0.005					
11/10/2016			<0.005			<0.005	
1/17/2017							<0.005
1/18/2017					<0.005		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			<0.005	
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005 (D)			
3/28/2017					<0.005		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			<0.005				
5/24/2017							<0.005
6/7/2017					<0.005		
6/8/2017				<0.005 (D)			
6/9/2017	<0.005		<0.005				
6/12/2017		<0.005				<0.005	
7/17/2017				<0.005 (D)			
7/27/2017				<0.005			
8/9/2017				<0.005			
9/26/2017					<0.005		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		0.0016 (J)				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	<0.005	<0.005 (D)					
9/13/2019			<0.005			<0.005	
3/9/2020				<0.005	<0.005		<0.005
3/11/2020	<0.005	0.0021 (J)	<0.005			<0.005	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	<0.005				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		0.0021 (J)	<0.005			
3/17/2021		0.0045 (J)					
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	<0.005			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	0.0014 (J)	<0.005				
2/17/2023						<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							<0.005
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	0.00236 (J)	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		<0.005					
7/22/2016			<0.005				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
1/30/2017							<0.005
2/22/2017						<0.005	
3/24/2017	<0.005						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005	<0.005		
4/7/2017						<0.005	<0.005
6/6/2017	<0.005	<0.005		<0.005	<0.005		
6/7/2017			<0.005				
6/12/2017							<0.005
6/14/2017						<0.005 (D)	
7/12/2017						<0.005 (D)	
7/20/2017						<0.005 (D)	
7/28/2017						<0.005	
8/9/2017						<0.005	
8/24/2017						<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	<0.005					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						<0.005 (D)	
9/13/2019							<0.005
3/6/2020	<0.005		<0.005				
3/9/2020		<0.005		<0.005	<0.005		
3/11/2020							<0.005
3/12/2020						<0.005	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
2/1/2022							<0.005
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						<0.005	<0.005
11/20/2007		<0.005	<0.005				
1/16/2008						<0.005	
1/30/2008		<0.005	<0.005	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		<0.005	<0.005
3/6/2008		<0.005	<0.005		<0.005		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	<0.005						
12/13/2008		<0.005				<0.005	<0.005
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						<0.005	
4/23/2009	<0.005						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	<0.005		
10/6/2009	<0.005						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.005	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						<0.005	
4/28/2010							<0.005
5/3/2010	<0.005						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						<0.005	<0.005
10/11/2010	<0.005						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	<0.005						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.005						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.005	
4/25/2012							<0.005
5/1/2012	<0.005						
10/2/2012	<0.005					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.005	<0.005	<0.005	<0.005		
4/10/2013	<0.005						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.005	
10/15/2013		<0.005	<0.005				
10/16/2013	<0.005						
4/1/2014						<0.005	<0.005
4/2/2014				<0.005	<0.005		
4/9/2014		<0.005	<0.005				
4/22/2014	<0.005						
10/1/2014	<0.005						<0.005
10/2/2014		<0.005	<0.005	<0.005	<0.005	<0.005	
3/30/2015	<0.005						
4/1/2015				<0.005	<0.005	<0.005	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	<0.005			<0.005	<0.005		
10/12/2015			<0.005				
10/14/2015						<0.005	
10/15/2015							0.0055
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	<0.005	0.00286 (J)
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	<0.005	<0.005		
5/27/2016						<0.005	
5/31/2016							0.00303 (J)
8/1/2016	<0.005						
8/3/2016			<0.005	<0.005		<0.005	
8/4/2016					<0.005		0.005 (J)
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	<0.005	<0.005		
9/29/2016							0.0074 (J)
9/30/2016						<0.005	
11/11/2016	<0.005						
11/22/2016		<0.005	<0.005	<0.005	<0.005	<0.005	
11/28/2016							0.0073 (J)
1/30/2017	<0.005						
2/7/2017		<0.005	<0.005				
2/8/2017				<0.005	<0.005		
2/9/2017							0.0067 (J)
2/13/2017						<0.005	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						<0.005	
4/12/2017							0.0048 (J)
6/12/2017	<0.005						
6/14/2017		<0.005	<0.005			<0.005	
6/15/2017				<0.005	<0.005		
6/16/2017							0.007 (J)
10/2/2017	<0.005						

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005	
10/9/2017							0.0048 (J)
3/16/2018	<0.005						
3/20/2018		<0.005					
3/21/2018			<0.005	<0.005			0.0021 (J)
3/22/2018					<0.005	<0.005	
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
9/19/2018							0.0019 (J)
3/19/2019	<0.005						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	<0.005	<0.005	<0.005
9/12/2019	<0.005						
9/17/2019		<0.005	<0.005	<0.005	<0.005	<0.005 (D)	
9/18/2019							0.0018 (J)
3/11/2020	<0.005						
3/12/2020		<0.005	<0.005	<0.005	<0.005	<0.005	
3/13/2020							0.0019 (J)
9/15/2020	<0.005						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	<0.005	
9/22/2020							<0.005
3/17/2021	<0.005						
3/18/2021		<0.005	<0.005				0.0021 (J)
3/19/2021				<0.005	<0.005	<0.005	
8/9/2021	<0.005						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005					<0.005	
2/4/2022		<0.005	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	<0.005	<0.005					
8/18/2022			<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2023	<0.005						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						<0.005	
2/22/2023							<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		<0.005	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	<0.005			
1/31/2008	<0.005						
3/5/2008	<0.005	<0.005					
3/6/2008			<0.005				
3/10/2008				<0.005			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		<0.005	<0.005	<0.005			
12/12/2008	<0.005						
4/16/2009		<0.005					
4/28/2009			<0.005	<0.005			
4/29/2009	<0.005						
10/19/2009			<0.005				
10/20/2009		<0.005		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	<0.005						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					0.00622 (J)	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					0.0021 (J)	<0.005 (D)	<0.005 (D)
5/31/2016			<0.005	<0.005			
6/1/2016	<0.005	<0.005					
7/25/2016					<0.005	<0.005 (D)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		<0.005					
9/19/2016					<0.005	<0.005 (D)	<0.005 (D)
9/29/2016			<0.005				
11/3/2016					<0.005		<0.005 (D)
11/4/2016						<0.005 (D)	
11/23/2016			0.0016 (J)	<0.005			
11/28/2016		<0.005					
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						<0.005 (D)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	0.0014 (J)						
3/28/2017					0.0033 (J)		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	0.0024 (J)	<0.005		<0.005			
4/12/2017			<0.005				
6/5/2017					0.0068 (J)		
6/7/2017						<0.005	<0.005
6/14/2017		<0.005					
6/15/2017			<0.005	<0.005			
6/16/2017	<0.005						
7/12/2017	0.0019 (J)	<0.005		<0.005			
7/26/2017				<0.005			
7/28/2017	<0.005						
8/10/2017	0.0019 (J)						
9/26/2017					0.0037 (J)		
10/5/2017		<0.005					
10/6/2017	<0.005		<0.005	<0.005			
3/15/2018					0.0031 (J)	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					0.0042 (J)	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					0.0021 (J)	<0.005 (D)	<0.005 (D)
9/17/2019		<0.005	<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/18/2019	<0.005						
3/10/2020					0.0063 (J)	<0.005	<0.005
3/13/2020		0.0016 (J)	<0.005	<0.005			
3/17/2020	<0.005						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		0.0016 (J)	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					0.0036 (J)		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					0.0018 (J)		
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					<0.005	<0.005	<0.005
2/22/2023	<0.005	<0.005	<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							<0.005
3/11/2008							<0.005
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							0.015 (O)
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							0.0054
4/11/2013							0.0072
10/16/2013							<0.005
4/23/2014							0.0067
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.005	<0.005	<0.005	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							<0.005
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	<0.005		<0.005	<0.005	
5/25/2016							<0.005
7/26/2016	0.0009 (J)						
7/27/2016		<0.005	<0.005	0.0009 (J)	<0.005		
7/28/2016						<0.005	
8/1/2016							<0.005
9/20/2016	<0.005	<0.005	<0.005	<0.005			
9/21/2016					<0.005	<0.005	
9/27/2016							<0.005
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
11/11/2016							<0.005
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
1/31/2017							<0.005
3/28/2017	<0.005			<0.005			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						<0.005	
4/3/2017							<0.005
6/7/2017	<0.005						
6/8/2017		<0.005	<0.005	<0.005	<0.005		
6/9/2017						<0.005	
6/12/2017							<0.005
9/29/2017	<0.005			<0.005	<0.005	<0.005	
10/3/2017							<0.005
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		
3/19/2019			<0.005			<0.005	
3/20/2019							<0.005
9/11/2019	<0.005		<0.005	<0.005 (D)	<0.005	<0.005	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	<0.005	<0.005		<0.005	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							<0.005
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							0.0019 (J)
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	<0.005			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/20/2023							<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						<0.005
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						<0.005
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				<0.005	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.00388 (J)
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			<0.005	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			<0.005	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			<0.005		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	<0.005			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	<0.005	<0.005	<0.005	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	<0.005		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			<0.005			
10/3/2017	<0.005	<0.005	<0.005		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			<0.005			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	<0.005
3/12/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	0.0038 (J)	<0.005	<0.005		
3/18/2021					0.0089	<0.005
8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			<0.005	
10/23/2007	<0.005						
10/24/2007		<0.005	<0.005				
11/2/2007						<0.005	
11/18/2007	<0.005	<0.005	<0.005			<0.005	
1/30/2008	<0.005						
1/31/2008		<0.005	<0.005			<0.005	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				<0.005	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						<0.005	
12/4/2008		<0.005	<0.005				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	<0.005	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	<0.005	<0.005	<0.005				

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				0.0012 (JD)			
7/29/2016	<0.005	<0.005	<0.005			<0.005	
9/15/2016					<0.005		<0.005
11/2/2016					<0.005		
11/3/2016							<0.005
1/17/2017							<0.005
1/18/2017					<0.005		
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005 (D)			
3/28/2017					<0.005		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			<0.005				
9/26/2017					<0.005		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		<0.005				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	<0.005	<0.005 (D)					
9/13/2019			<0.005			<0.005	
3/9/2020				<0.005	<0.005		<0.005
3/11/2020	<0.005	<0.005	<0.005			<0.005	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	<0.005				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	<0.005			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							0.0025 (J)
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		<0.005					
7/22/2016			<0.005				
8/1/2016							0.0004 (J)
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
3/24/2017	<0.005						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005	<0.005		
4/7/2017						<0.005	0.0005 (J)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	<0.005					
9/26/2017			<0.005				
10/2/2017							0.0006 (J)
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						<0.005 (D)	
9/13/2019							0.00045 (J)
3/6/2020	<0.005		<0.005				
3/9/2020		<0.005		<0.005	<0.005		
3/11/2020							0.00039 (J)
3/12/2020						<0.005	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							0.00042 (J)
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							0.00044 (J)
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
2/1/2022							<0.005
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						<0.005	<0.005
11/20/2007		<0.005	<0.005				
1/16/2008						<0.005	
1/30/2008		<0.005	<0.005	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		0.0046	<0.005
3/6/2008		<0.005	<0.005		<0.005		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	<0.0025						
12/13/2008		<0.005				<0.005	<0.005
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						<0.005	
4/23/2009	<0.0025						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	<0.005		
10/6/2009	0.0048						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.005	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						<0.005	
4/28/2010							<0.005
5/3/2010	<0.0025						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						<0.005	<0.005
10/11/2010	<0.0025						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	0.004						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.0025						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.005	
4/25/2012							<0.005
5/1/2012	<0.0025						
10/2/2012	<0.0025					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						<0.005	<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.005	<0.005	<0.005	<0.005		
4/10/2013	<0.0025						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.005	
10/15/2013		<0.005	<0.005				
10/16/2013	0.0034						
4/1/2014						<0.005	<0.005
4/2/2014				<0.005	<0.005		
4/9/2014		<0.005	<0.005				
4/22/2014	0.0034						
10/1/2014	0.0012 (J)						<0.005
10/2/2014		<0.005	<0.005	<0.005	<0.005	<0.005	
3/30/2015	0.003						
4/1/2015				<0.005	<0.005	<0.005	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	0.0018 (J)			<0.005	<0.005		
10/12/2015			<0.005				
10/14/2015						<0.005	
10/15/2015							<0.005
3/28/2016	0.0022 (J)						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	<0.005	<0.005
8/1/2016	0.0016 (J)						
8/3/2016			<0.005	<0.005		<0.005	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
4/3/2017	0.0022 (J)						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						<0.005	
4/12/2017							<0.005
10/2/2017	0.0021 (J)						
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005	
10/9/2017							<0.005
3/16/2018	0.0023 (J)						
3/20/2018		<0.005					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	<0.005	
9/18/2018	0.0017 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	
9/19/2018							<0.005
3/19/2019	0.0017 (J)						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	<0.005	<0.005	<0.005
9/12/2019	0.0028 (J)						
9/17/2019		<0.005	<0.005	<0.005	<0.005	<0.005 (D)	
9/18/2019							<0.005
3/11/2020	0.0013 (J)						
3/12/2020		<0.005	<0.005	<0.005	<0.005	<0.005	
3/13/2020							<0.005
9/15/2020	0.0012 (J)						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.005
3/17/2021	0.0026 (J)						
3/18/2021		<0.005	<0.005				<0.005
3/19/2021				<0.005	<0.005	<0.005	
8/9/2021	0.0015 (J)						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	0.0012 (J)					<0.005	
2/4/2022		<0.005	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	0.0021 (J)	<0.005					
8/18/2022			<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2023	0.0011 (J)						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						<0.005	
2/22/2023							<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		<0.005	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	<0.005			
1/31/2008	<0.005						
3/5/2008	<0.005	<0.005					
3/6/2008			<0.005				
3/10/2008				<0.005			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		<0.005	<0.005	<0.005			
12/12/2008	<0.005						
4/16/2009		<0.005					
4/28/2009			<0.005	<0.005			
4/29/2009	0.0026						
10/19/2009			<0.005				
10/20/2009		<0.005		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	<0.005						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.005	<0.005 (D)	<0.005 (D)
7/25/2016					<0.005	<0.005 (D)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		<0.005					
9/19/2016					<0.005	<0.005 (D)	<0.005 (D)
11/3/2016					<0.005		<0.005 (D)
11/4/2016						<0.005 (D)	
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						<0.005 (D)	
3/28/2017					<0.005		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			<0.005				
9/26/2017					<0.005		
9/27/2017						<0.005	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		<0.005	<0.005			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					<0.005	<0.005 (D)	<0.005 (D)
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	<0.005						
3/10/2020					<0.005	<0.005	<0.005
3/13/2020		<0.005	<0.005	<0.005			
3/17/2020	<0.005						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					<0.005		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					<0.005	<0.005	<0.005
2/22/2023	<0.005	<0.005	<0.005	<0.005			

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							<0.005
3/11/2008							<0.005
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							<0.005
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							<0.005
4/11/2013							<0.005
10/16/2013							<0.005
4/23/2014							<0.005
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.005	<0.005	<0.005	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							<0.005
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	<0.005		<0.005	<0.005	
7/26/2016	<0.005						
7/27/2016		<0.005	<0.005	<0.005	<0.005		
7/28/2016						<0.005	
8/1/2016							<0.005
9/20/2016	<0.005	<0.005	<0.005	<0.005			
9/21/2016					<0.005	<0.005	
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
3/28/2017	<0.005			<0.005			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						<0.005	
4/3/2017							<0.005
9/27/2017		<0.005	<0.005				
9/29/2017	<0.005			<0.005	<0.005	<0.005	
10/3/2017							<0.005
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			<0.005			<0.005	
3/20/2019							<0.005
9/11/2019	<0.005		<0.005	<0.005 (D)	<0.005	<0.005	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	<0.005	<0.005		<0.005	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							<0.005
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							<0.005
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	<0.005			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/20/2023							<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						<0.005
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						<0.005
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				<0.005	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
8/1/2016	<0.005	<0.005				
8/2/2016			<0.005	<0.005	<0.005	
8/5/2016						<0.005
4/6/2017	<0.005	<0.005	<0.005	<0.005		<0.005
4/7/2017					<0.005	
10/3/2017	<0.005	<0.005	<0.005		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			<0.005			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	<0.005
3/12/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	<0.005	<0.005	<0.005		
3/18/2021					<0.005	<0.005
8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		<0.005

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					4.2598		
3/15/2016							1.2104
3/22/2016	2.3685						
3/23/2016		105.552	26.8249			0.8724 (J)	
5/11/2016					6.05		1.28
5/16/2016				2.4 (D)			
5/19/2016	2.14		3.81				
5/20/2016		44.3					
5/23/2016						0.805 (J)	
7/19/2016					9.5		
7/21/2016							0.91 (J)
7/27/2016				3.6 (D)			
7/29/2016	1.9	48	1.1			0.84 (J)	
9/15/2016					6.7		
9/19/2016							1.3
9/22/2016			0.96 (J)			0.94 (J)	
9/23/2016	2	43					
11/2/2016					5.4		
11/3/2016							1.5
11/9/2016	1.6	31					
11/10/2016			0.72 (J)			1.1	
1/17/2017							<1.2 (*)
1/18/2017					5.5		
1/30/2017	1.8						
1/31/2017		4.2	1.5			0.92 (J)	
2/21/2017				26 (D)			
3/24/2017							0.86 (J)
3/27/2017				10 (D)			
3/28/2017					2.9		
3/30/2017	1.6	53				0.77 (J)	
4/3/2017			1.3				
5/24/2017							1.2
6/7/2017					2.3		
6/8/2017				6.7 (D)			
6/9/2017	1.7		1.2				
6/12/2017		95				0.68 (J)	
7/17/2017				6.4 (D)			
7/27/2017				18 (D)			
8/9/2017				18 (D)			
9/26/2017					3.2		4.2
9/29/2017				21 (D)			
10/2/2017	1.8	3.5	1.7				
10/4/2017						0.5 (J)	
12/28/2017							7.4 (Y)
3/14/2018					3.8		3.8
3/16/2018	1.5		14.8 (J)	15.5			
3/19/2018		147				0.49 (J)	
9/12/2018					3.7		1.7
9/14/2018		7.7	2.1	11.6			
9/17/2018	1.3 (D)					0.36 (J)	
3/13/2019							2.1
3/14/2019				9.3			

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/15/2019					3		
3/19/2019			32.5 (J)				
3/20/2019	1.5	3.6				0.38 (J)	
9/9/2019					2.4		1.6
9/10/2019				14			
9/12/2019	0.98 (J)	5.2					
9/13/2019			3.8			<1	
3/9/2020				5.8	0.84 (J)		1.2
3/11/2020	0.94 (J)	131	34.3			<1	
9/10/2020					0.95 (J)		
9/11/2020							1.3
9/15/2020	0.96 (J)	35.3	1				
9/16/2020				8.6			
3/10/2021							1.5
3/12/2021					2		
3/16/2021	0.99 (J)		3.3	3.5			
3/17/2021		90.7					
3/29/2021						5.4	
8/4/2021					1.3		1.4
8/6/2021				4.2			
8/9/2021	1.3	84.7	1.6			5	
1/31/2022					1.2		1.2
2/1/2022	0.93 (J)	86.1	1.5				
2/2/2022				4.5		3.4	
8/10/2022					1.3		
8/12/2022							1.2
8/16/2022	0.78 (J)	58.5	7.8	4.5		3.5	
2/13/2023					1.7		1.4
2/14/2023				6.3			
2/16/2023	1.1	115	38.9				
2/17/2023						2.5	

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			1.4538	1.1313	3.8282		
3/15/2016	4.9347	6.4987					
3/28/2016							0.7283 (J)
5/12/2016	2.3						
5/13/2016		3.68		1.96	3.56		
5/16/2016			1.18				
5/23/2016							0.728 (J)
7/19/2016				1.3	5.6		
7/20/2016	2						
7/21/2016		4.5					
7/22/2016			1.8				
8/1/2016							0.78 (J)
9/15/2016	1.1						
9/16/2016				1.1	6.7		
9/19/2016			1.4				
9/21/2016		2.8					
9/26/2016							0.82 (J)
11/2/2016				1.2	8.1		
11/3/2016	1.6	6.7	1.6				
11/10/2016							0.92 (J)
1/17/2017		<1.1 (*)	<1.8 (*)				
1/18/2017	1.5			0.84 (J)	8.9		
1/30/2017							<1
2/22/2017						22 (D)	
3/24/2017	1.6						
3/27/2017		0.85 (J)	2				
3/28/2017				0.7 (J)	8.2		
4/7/2017						18 (D)	0.82 (J)
6/6/2017	4.1	6.1		0.47 (J)	7		
6/7/2017			1.9				
6/12/2017							0.78 (J)
6/14/2017						20 (D)	
7/12/2017						18 (D)	
7/20/2017						20 (D)	
7/28/2017						18 (D)	
8/9/2017						19 (D)	
8/24/2017						21 (D)	
9/22/2017				0.59 (J)	8.3		
9/25/2017	1.9	3.5					
9/26/2017			2				
10/2/2017							0.71 (J)
10/3/2017						25 (D)	
12/28/2017						26 (Y)	
3/14/2018	11.5	10.9 (J)	2.1	0.39 (J)			
3/15/2018					5.1		
3/16/2018							0.67 (J)
3/21/2018						25.4	
9/12/2018	1.8	3.7		0.3 (J)	5.6		
9/14/2018			1.6				
9/17/2018							0.47 (J)
9/18/2018						22.8	
3/13/2019				0.43 (X)	4.4		

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	6.2	8.9	2.2				
3/19/2019							0.52 (J)
3/21/2019						24.9 (D)	
9/10/2019	1.2	8.4	1.2				
9/11/2019				<1	5		
9/12/2019						16.5 (D)	
9/13/2019							0.55 (J)
3/6/2020	10		1.7				
3/9/2020		8.5		<1	3.9		
3/11/2020							<1
3/12/2020						20.8	
9/10/2020	1.7	5.9	0.95 (J)				
9/11/2020				<1			
9/14/2020					4.9		
9/16/2020							<1
9/17/2020						20.3	
3/10/2021		8.4					
3/11/2021	6.1		1.6	<1	4.3		
3/16/2021						22.1	
3/17/2021							<1
8/4/2021	1.7	6.4	1.4				
8/5/2021					2.9		
8/6/2021				<1			
8/9/2021							<1
8/10/2021						20.7	
1/31/2022	1.8	8.5	1.1	<1	2.5		
2/1/2022							<1
2/3/2022						20.7	
8/10/2022			1		2.5		
8/11/2022	1.9	4.7		<1			
8/16/2022							<1
8/17/2022						18.1	
2/13/2023	6	10.2	1.6		2.5		
2/14/2023				<1			
2/16/2023							<1
2/17/2023						21.2	

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	0.9594 (J)						
3/31/2016		1.17	1.5				
4/4/2016				2.57	2.99	0.3574 (J)	24.8
5/25/2016	1.59						
5/26/2016		1.01	1.51	2.5	2.68		
5/27/2016						<1	
5/31/2016							42.5
8/1/2016	1						
8/3/2016			1.4	3		0.35 (J)	
8/4/2016					3.6		91
8/5/2016		1.1					
9/26/2016	1.2						
9/28/2016		1	1.6	2.3	4.4		
9/29/2016							110
9/30/2016						0.47 (J)	
11/11/2016	1.2						
11/22/2016		1.8	1.6	3.8	3.8	0.36 (J)	
11/28/2016							120
1/30/2017	<1						
2/7/2017		1.7	2				
2/8/2017				3.1	2.7		
2/9/2017							150
2/13/2017						0.79 (J)	
4/3/2017	1.3						
4/10/2017		1.9	1.7	2.5	2.2		
4/11/2017						0.42 (J)	
4/12/2017							120
6/12/2017	1.1						
6/14/2017		1.1	1.4			0.3 (J)	
6/15/2017				2.5	2.3		
6/16/2017							120
10/2/2017	1.1						
10/4/2017		1.8	1.4	2.5	2.8	0.36 (J)	
10/9/2017							130
3/16/2018	0.87 (J)						
3/20/2018		1.4					
3/21/2018			1.1	2.4			59.1
3/22/2018					2.2	0.3 (J)	
9/18/2018	0.87 (J)	1.6	1.9	2.8	2.6	<1	
9/19/2018							64.5
3/19/2019	0.97 (J)						
3/22/2019		1.6	1.3				
3/23/2019				2.1	2.1	0.3 (J)	15.5 (J)
9/12/2019	0.8 (J)						
9/17/2019		1.2	1.6	2.6	2	<1 (D)	
9/18/2019							50.7
3/11/2020	0.85 (J)						
3/12/2020		1.3	0.99 (J)	1.8	1.5	<1	
3/13/2020							16.9
9/15/2020	0.54 (J)						
9/17/2020		0.87 (J)	0.95 (J)				
9/21/2020				2	1.8	<1	

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							39.6
3/17/2021	0.86 (J)						
3/18/2021		1.2	0.96 (J)				19.3
3/19/2021				1.9	1.5	<1	
8/9/2021	0.77 (J)						
8/10/2021		1.3					
8/11/2021			1	1.4	1.5	<1	9.7
2/2/2022	0.53 (J)					<1	
2/4/2022		1.2	1.1	1.7	1.5		
2/17/2022							6.9
8/17/2022	0.55 (J)	1.1					
8/18/2022			1.5 (J)	1.6	1.9	<1	16
2/16/2023	0.58 (J)						
2/20/2023		1.5	1.5	1.7	1.8		
2/21/2023						<1	
2/22/2023							8.7

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					14.7828	0.6294 (J)	2.8721
4/4/2016	17.5						
4/5/2016		1.65	7.45	10.1			
5/16/2016					10.2	0.5151 (JD)	2.27 (D)
5/31/2016			7.29	12.1			
6/1/2016	20.9	1.75					
7/25/2016					8.4	0.84 (J*D)	2.6 (D)
8/4/2016			7.6				
9/19/2016					2.5	0.72 (JD)	2.8 (D)
9/29/2016			6.1				
11/3/2016					3.3		2.6 (D)
11/4/2016						0.75 (JD)	
11/23/2016			10	1.3			
11/28/2016		2.7					
1/19/2017					3.2		
1/20/2017							2.8 (D)
1/23/2017						0.99 (JD)	
2/9/2017		2.7					
2/10/2017			6.7	4.2			
2/22/2017	48						
3/28/2017					16 (J)		
3/29/2017						1.5 (D)	3.1 (D)
4/11/2017	41	4.9		3.2			
4/12/2017			9.2				
6/5/2017					38		
6/7/2017						0.63 (J)	3.2
6/14/2017		2.4					
6/15/2017			9.2	2.5			
6/16/2017	33						
7/12/2017	58	4.1		6.9			
7/20/2017					48		
7/26/2017				2.9			
7/28/2017	55						
8/10/2017	66						
9/26/2017					18		
9/27/2017						1.2	2.5
10/5/2017		1.6					
10/6/2017	77		10	6.6			
3/15/2018					32.4	0.75 (J)	2.9
3/22/2018		2.5					
3/23/2018	75.8		10.6	1.6			
9/12/2018					16		
9/13/2018						1.3	2.3
9/19/2018		1.7	10.4	2.6			
9/20/2018	72.2						
3/14/2019					79.7 (O)	0.72 (JXD)	4.3 (D)
3/22/2019	57.9	6.2		2.1			
3/25/2019			11.2				
9/11/2019					19.8	<1 (D)	2.6 (D)
9/17/2019		6.1	13.1	1.6			
9/18/2019	68.1						
3/10/2020					48.5	0.61 (J)	5.2

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/13/2020		11.1	8.8	1.1			
3/17/2020	72.1						
9/11/2020						<1	2.8
9/15/2020					23.1		
9/21/2020		5.5	9	0.9 (J)			
9/22/2020	69.8						
3/11/2021					35.5	<1	4.2
3/18/2021		7.8	10.4	0.76 (J)			
3/19/2021	74.2						
8/4/2021					35.1		
8/6/2021						<1	4
8/11/2021		6.9	9.1	0.65 (J)			
8/12/2021	56.7						
1/31/2022					29.7		
2/1/2022						<1	6.1
2/4/2022	63.1	6.4	8.3				
2/7/2022				0.64 (J)			
8/12/2022						<1	3.6
8/15/2022					27.6		
8/18/2022		9.2					
8/19/2022	65.7		6.9	0.87 (J)			
2/14/2023					33.8	<1	10.1
2/22/2023	59.7	10.7	7.5	0.81 (J)			

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	5.7554	3.4409	9.1279	2.6569			
3/17/2016					3.4197	5.3658	
3/28/2016							1.87
5/17/2016	8.67			2.39			
5/18/2016		4.09	10.1		3.06	4.44	
5/25/2016							1.41
7/26/2016	6.6						
7/27/2016		4	7	<1.6 (*)	2.6		
7/28/2016						9.9	
8/1/2016							1.5
9/20/2016	5.8	4.3	6.7	2.4			
9/21/2016					3.1	2.2	
9/27/2016							1.4
11/4/2016	6.1		7.9	2.1	3.1		
11/7/2016		4.1				2.2	
11/11/2016							1.5
1/20/2017	7		6.6				
1/23/2017		5.1		2.1			
1/24/2017					3	1.5	
1/31/2017							1.8
3/28/2017	7.7			2.1			
3/29/2017		5.2	6.2		2.5		
3/30/2017						1.7	
4/3/2017							1.5
6/7/2017	6.4						
6/8/2017		3.8	7.5	1.3	3.3		
6/9/2017						1.7	
6/12/2017							2.1
9/27/2017		4.3	7.5				
9/29/2017	8.4			3.7	4.2	2.2	
10/3/2017							1.4
12/28/2017				1.7 (Y)	3.8 (Y)		
3/15/2018	6.4	3.7		0.76 (J)	3.1	2.4	
3/16/2018			13.4				
3/19/2018							1.3
9/13/2018	7.2	4.8	11.6	1.6	3.6		
9/14/2018						2.4	
9/17/2018							1.3
3/15/2019		4.2		1.7			
3/18/2019	4.4				5.8		
3/19/2019			14.8			2.2	
3/20/2019							1.3
9/11/2019	7		10.7	0.86 (X)	5.7	1.5	
9/12/2019		4.7					
9/16/2019							1.2
3/9/2020		4.3	10.4	1.6		1.5	
3/10/2020	5.5						
3/11/2020					3.3		
3/16/2020							1.1
9/11/2020					2.1		
9/14/2020	6.9	4.3		5.4		1.2	
9/15/2020			9.6				

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/16/2020							1.1
3/11/2021	6.7	4.7	10.4	15.4			
3/15/2021					2.6	1.5	
3/17/2021							1.1
5/26/2021				20.2			
8/4/2021				1.5			
8/5/2021	6	4.3	10.3			1.1	
8/9/2021							1.2
8/11/2021					2.4		
1/31/2022	5.2			1.2			
2/1/2022		4.3	9.4		2.5	0.93 (J)	
2/2/2022							1
8/15/2022	5.6	8.4 (J)	4.3	10.4	2.5	0.98 (J)	
8/16/2022							1
2/14/2023	4.7	4.3	12.7	3	1.8	0.84 (J)	
2/20/2023							1.4

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					3.9321	
3/29/2016	3.5801	1.4863				
3/30/2016				1.9542		2
5/24/2016	2.79	1.62		0.989 (J)		
5/25/2016					2.68	
5/26/2016						2.93
5/31/2016			2.03			
8/1/2016	2.2	2.3				
8/2/2016			0.96 (J)	1	2.7	
8/5/2016						3.6
9/26/2016	1.8	2.4			2.9	
9/27/2016			0.87 (J)	0.95 (J)		
9/28/2016						3.2
11/14/2016		2.8				
11/18/2016	1.8					
11/21/2016			0.93 (J)		2.8	3.3
11/22/2016				1.1		
2/1/2017	2.8	2.6	0.76 (J)			
2/3/2017					2.7	
2/6/2017				0.96 (J)		1.3
4/6/2017	<2.5	<2.3	<1	<1		<1.2
4/7/2017					2.3	
6/13/2017	2.8	2.2	0.58 (J)		2	2
6/14/2017				0.97 (J)		
7/14/2017			0.04 (J)			
10/3/2017	2.6	2.6	0.87 (J)		1.9	2.8
10/4/2017				0.84 (J)		
3/19/2018	2.6					
3/20/2018		2.5	0.5 (J)		1.6	1.2
3/21/2018				1.2		
9/17/2018	2.2	2.5				
9/18/2018			0.65 (J)	0.9 (J)	1.6	2.6
3/21/2019	2.7	1.7	1.9			2.3
3/27/2019				1.5		
5/6/2019					2.1	
9/13/2019			0.76 (J)			
9/16/2019	2	1.6		0.69 (JD)	1	3
3/12/2020	2.1	1.4	1.7	1.8		1.1
3/16/2020					0.66 (J)	
9/16/2020	1.8	1.3	1.1			
9/17/2020				0.6 (J)	0.74 (J)	3.5
3/17/2021	2.2	1.8	1.3	0.72 (J)		
3/18/2021					1.1	2.1
8/10/2021	1.7	1.4	1.1	0.64 (J)	0.72 (J)	1.7
2/2/2022	1.7	1.5	1.3	0.72 (J)	0.72 (J)	2.5
8/17/2022	1.6	1.2	0.91 (J)	0.53 (J)	0.58 (J)	2.5
2/17/2023	2	1.8				
2/20/2023			1.7		1.1	
2/21/2023				1.7		3

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/30/2015			7E-05				
10/12/2015						<0.001	
10/13/2015	<0.001	<0.001	<0.001				
3/14/2016					<0.001		
3/15/2016							<0.001
3/22/2016	<0.001						
3/23/2016		<0.001	<0.001			<0.001	
5/11/2016					<0.001		<0.001
5/16/2016				<0.001 (D)			
5/19/2016	<0.001		<0.001				
5/20/2016		<0.001					
5/23/2016						<0.001	
7/19/2016					<0.001 (*)		
7/21/2016							<0.001
7/27/2016				0.0002 (JD)			
7/29/2016	<0.001	<0.001	<0.001			<0.001	
9/15/2016					<0.001		<0.001
9/22/2016			<0.001			<0.001	
9/23/2016	<0.001	<0.001					
11/2/2016					<0.001		
11/3/2016							<0.001
11/9/2016	<0.001	<0.001					
11/10/2016			<0.001			<0.001	
1/17/2017							<0.001
1/18/2017					<0.001		
1/30/2017	<0.001						
1/31/2017		<0.001	<0.001			<0.001	
2/21/2017				<0.001			
3/24/2017							<0.001
3/27/2017				<0.001 (D)			
3/28/2017					5E-05 (J)		
3/30/2017	<0.001	<0.001				<0.001	
4/3/2017			<0.001				
5/24/2017							<0.001
6/7/2017					<0.001		
6/8/2017				<0.001 (D)			
6/9/2017	<0.001		<0.001				
6/12/2017		<0.001				<0.001	
7/17/2017				<0.001 (D)			
7/27/2017				<0.001			
8/9/2017				<0.001			
9/26/2017					7E-05 (J)		<0.001
9/29/2017				<0.001 (D)			
10/2/2017	<0.001	<0.001	<0.001				
10/4/2017						<0.001	
3/14/2018					<0.001		<0.001
3/16/2018	<0.001		<0.001	<0.001			
3/19/2018		<0.001				<0.001	
9/12/2018					<0.001		<0.001
9/14/2018		<0.001	<0.001	<0.001			
9/17/2018	<0.001 (D)					<0.001	
3/13/2019							<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.001			
3/15/2019					<0.001		
3/19/2019			<0.001				
3/20/2019	<0.001	<0.001				<0.001	
9/9/2019					<0.001		<0.001
9/12/2019	<0.001	<0.001 (D)					
9/13/2019			6.2E-05 (J)			<0.001	
3/9/2020				<0.001	<0.001		7.8E-05 (J)
3/11/2020	<0.001	<0.001	<0.001			<0.001	
9/10/2020					<0.001		
9/11/2020							<0.001
9/15/2020	<0.001	<0.001	<0.001				
9/16/2020				<0.001			
3/10/2021							<0.001
3/12/2021					<0.001		
3/16/2021	<0.001		<0.001	<0.001			
3/17/2021		<0.001					
3/29/2021						<0.001	
8/4/2021					<0.001		<0.001
8/6/2021				<0.001			
8/9/2021	<0.001	<0.001	<0.001			<0.001	
1/31/2022					<0.001		<0.001
2/1/2022	<0.001	<0.001	<0.001				
2/2/2022				<0.001		<0.001	
8/10/2022					<0.001		
8/12/2022							<0.001
8/16/2022	<0.001	<0.001	<0.001	<0.001		<0.001	
2/13/2023					<0.001		<0.001
2/14/2023				<0.001			
2/16/2023	<0.001	<0.001	<0.001				
2/17/2023						<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/11/2015							<0.001
3/11/2016			<0.001	<0.001	<0.001		
3/15/2016	<0.001	<0.001					
3/28/2016							<0.001
5/12/2016	<0.001						
5/13/2016		<0.001		<0.001	<0.001		
5/16/2016			<0.001				
5/23/2016							<0.001
7/19/2016				<0.001 (*)	<0.001		
7/20/2016	<0.001						
7/21/2016		<0.001					
7/22/2016			0.0002 (J)				
8/1/2016							<0.001
9/15/2016	<0.001						
9/16/2016				<0.001	<0.001		
9/19/2016			<0.001				
9/21/2016		<0.001					
9/26/2016							<0.001
11/2/2016				<0.001	<0.001		
11/3/2016	<0.001	<0.001	<0.001				
11/10/2016							<0.001
1/17/2017		<0.001	<0.001				
1/18/2017	<0.001			<0.001	<0.001		
1/30/2017							<0.001
2/22/2017						<0.001	
3/24/2017	<0.001						
3/27/2017		<0.001	<0.001				
3/28/2017				5E-05 (J)	<0.001		
4/7/2017						<0.001	<0.001
6/6/2017	<0.001	0.0002 (J)		<0.001	<0.001		
6/7/2017			<0.001				
6/12/2017							<0.001
6/14/2017						<0.001 (D)	
7/12/2017						<0.001 (D)	
7/20/2017						<0.001 (D)	
7/28/2017						<0.001	
8/9/2017						<0.001	
8/24/2017						<0.001	
9/22/2017				<0.001	<0.001		
9/25/2017	<0.001	<0.001					
9/26/2017			<0.001				
10/2/2017							<0.001
10/3/2017						<0.001 (D)	
3/14/2018	<0.001	<0.001	<0.001	<0.001			
3/15/2018					<0.001		
3/16/2018							<0.001
3/21/2018						<0.001	
9/12/2018	<0.001	<0.001		<0.001	<0.001		
9/14/2018			<0.001				
9/17/2018							<0.001
9/18/2018						<0.001	
3/13/2019				<0.001	<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.001	<0.001	<0.001				
3/19/2019							<0.001
3/21/2019						<0.001 (D)	
9/10/2019	<0.001 (D)	<0.001	<0.001				
9/11/2019				6.2E-05 (J)	<0.001		
9/12/2019						<0.001 (D)	
9/13/2019							<0.001
3/6/2020	<0.001		8.6E-05 (J)				
3/9/2020		6.1E-05 (J)		<0.001	<0.001		
3/11/2020							<0.001
3/12/2020						<0.001	
9/10/2020	<0.001	<0.001	<0.001				
9/11/2020				<0.001			
9/14/2020					<0.001		
9/16/2020							<0.001
9/17/2020						<0.001	
3/10/2021		<0.001					
3/11/2021	<0.001		<0.001	<0.001	<0.001		
3/16/2021						<0.001	
3/17/2021							<0.001
8/4/2021	<0.001	<0.001	<0.001				
8/5/2021					<0.001		
8/6/2021				<0.001			
8/9/2021							<0.001
8/10/2021						<0.001	
1/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001		
2/1/2022							<0.001
2/3/2022						<0.001	
8/10/2022			<0.001		<0.001		
8/11/2022	<0.001	<0.001		<0.001			
8/16/2022							<0.001
8/17/2022						<0.001	
2/13/2023	<0.001	<0.001	<0.001		<0.001		
2/14/2023				<0.001			
2/16/2023							<0.001
2/17/2023						<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/10/2015		<0.001					
10/11/2015	<0.001			<0.001	0.0002		
10/12/2015			<0.001				
10/14/2015						<0.001	
10/15/2015							<0.001
3/28/2016	<0.001						
3/31/2016		<0.001	<0.001				
4/4/2016				<0.001	<0.001	<0.001	<0.001
5/25/2016	<0.001						
5/26/2016		<0.001	<0.001	<0.001	<0.001		
5/27/2016						<0.001	
5/31/2016							<0.001
8/1/2016	<0.001						
8/3/2016			0.0001 (J)	<0.001		<0.001	
8/4/2016					<0.001		<0.001
8/5/2016		<0.001					
9/26/2016	<0.001						
9/28/2016		<0.001	<0.001	<0.001	<0.001		
9/29/2016							<0.001
9/30/2016						<0.001	
11/11/2016	<0.001						
11/22/2016		<0.001	<0.001	<0.001	<0.001	<0.001	
11/28/2016							<0.001
1/30/2017	<0.001						
2/7/2017		<0.001	<0.001				
2/8/2017				<0.001	<0.001		
2/9/2017							<0.001
2/13/2017						<0.001	
4/3/2017	<0.001						
4/10/2017		<0.001	<0.001	<0.001	<0.001		
4/11/2017						<0.001	
4/12/2017							<0.001
6/12/2017	<0.001						
6/14/2017		<0.001	<0.001			<0.001	
6/15/2017				<0.001	<0.001		
6/16/2017							<0.001
10/2/2017	<0.001						
10/4/2017		<0.001	<0.001	<0.001	<0.001	<0.001	
10/9/2017							<0.001
3/16/2018	<0.001						
3/20/2018		<0.001					
3/21/2018			<0.001	<0.001			<0.001
3/22/2018					<0.001	<0.001	
9/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9/19/2018							<0.001
3/19/2019	<0.001						
3/22/2019		<0.001	<0.001				
3/23/2019				<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001						
9/17/2019		<0.001	<0.001	<0.001	<0.001	<0.001 (D)	
9/18/2019							<0.001
3/11/2020	5.9E-05 (J)						

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/12/2020		<0.001	5.4E-05 (J)	<0.001	<0.001	<0.001	
3/13/2020							<0.001
9/15/2020	<0.001						
9/17/2020		<0.001	<0.001				
9/21/2020				<0.001	<0.001	<0.001	
9/22/2020							<0.001
3/17/2021	<0.001						
3/18/2021		<0.001	<0.001				<0.001
3/19/2021				<0.001	<0.001	<0.001	
8/9/2021	<0.001						
8/10/2021		<0.001					
8/11/2021			<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001					<0.001	
2/4/2022		<0.001	<0.001	<0.001	<0.001		
2/17/2022							<0.001
8/17/2022	<0.001	<0.001					
8/18/2022			<0.001	<0.001	<0.001	<0.001	<0.001
2/16/2023	<0.001						
2/20/2023		<0.001	<0.001	<0.001	<0.001		
2/21/2023						<0.001	
2/22/2023							<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.0005 (D)			
10/7/2015		<0.001 (D)	<0.001 (D)				
10/14/2015	<0.001						
3/16/2016					<0.001	<0.001	<0.001
4/4/2016	<0.001						
4/5/2016		<0.001	<0.001	0.00036 (J)			
5/16/2016					<0.001	<0.001 (D)	<0.001 (D)
5/31/2016			<0.001	0.000373 (J)			
6/1/2016	<0.001	<0.001					
7/25/2016					<0.001	<0.001 (D)	<0.001 (D)
8/4/2016			<0.001				
8/9/2016		<0.001					
9/19/2016					<0.001	<0.001 (D)	<0.001 (D)
9/29/2016			<0.001				
11/3/2016					<0.001		<0.001 (D)
11/4/2016						<0.001 (D)	
11/23/2016			<0.001	<0.001			
11/28/2016		<0.001					
1/19/2017					<0.001		
1/20/2017							<0.001 (D)
1/23/2017						<0.001 (D)	
2/9/2017		<0.001					
2/10/2017			<0.001	<0.001			
2/22/2017	<0.001						
3/28/2017					5E-05 (J)		
3/29/2017						<0.001 (D)	<0.001 (D)
4/11/2017	<0.001	<0.001		<0.001			
4/12/2017			<0.001				
6/5/2017					5E-05 (J)		
6/7/2017						<0.001	<0.001
6/14/2017		<0.001					
6/15/2017			<0.001	<0.001			
6/16/2017	<0.001						
7/12/2017	6E-05 (J)	<0.001		<0.001			
7/26/2017				<0.001			
7/28/2017	<0.001						
8/10/2017	<0.001						
9/26/2017					<0.001		
9/27/2017						<0.001	<0.001
10/5/2017		<0.001					
10/6/2017	<0.001		<0.001	<0.001			
3/15/2018					<0.001	<0.001	<0.001
3/22/2018		<0.001					
3/23/2018	<0.001		<0.001	<0.001			
9/12/2018					<0.001		
9/13/2018						<0.001	<0.001
9/19/2018		<0.001	<0.001	<0.001			
9/20/2018	<0.001						
3/14/2019					<0.001	<0.001 (D)	<0.001 (D)
3/22/2019	<0.001	<0.001		<0.001			
3/25/2019			<0.001				
9/11/2019					<0.001	<0.001 (D)	<0.001 (D)

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.001	<0.001	<0.001			
9/18/2019	<0.001						
3/10/2020					<0.001	<0.001	<0.001
3/13/2020		<0.001	<0.001	<0.001			
3/17/2020	<0.001						
9/11/2020						<0.001	<0.001
9/15/2020					<0.001		
9/21/2020		<0.001	<0.001	<0.001			
9/22/2020	<0.001						
3/11/2021					<0.001	<0.001	<0.001
3/18/2021		<0.001	<0.001	<0.001			
3/19/2021	<0.001						
8/4/2021					<0.001		
8/6/2021						<0.001	<0.001
8/11/2021		<0.001	<0.001	<0.001			
8/12/2021	<0.001						
1/31/2022					<0.001		
2/1/2022						<0.001	<0.001
2/4/2022	<0.001	<0.001	<0.001				
2/7/2022				<0.001			
8/12/2022						<0.001	<0.001
8/15/2022					<0.001		
8/18/2022		<0.001					
8/19/2022	<0.001		<0.001	<0.001			
2/14/2023					<0.001	<0.001	<0.001
2/22/2023	<0.001	<0.001	<0.001	<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
10/12/2015							<0.001
3/10/2016	<0.001	<0.001	0.00116	<0.001			
3/17/2016					<0.001	<0.001	
3/28/2016							<0.001
5/17/2016	<0.001			<0.001			
5/18/2016		<0.001	0.000768 (J)		<0.001	<0.001	
5/25/2016							<0.001
7/26/2016	7E-05 (J)						
7/27/2016		9E-05 (J)	0.0004 (J)	9E-05 (J)	0.0001 (J)		
7/28/2016						<0.001	
8/1/2016							<0.001
9/20/2016	<0.001	<0.001	0.0004 (J)	<0.001			
9/21/2016					<0.001	<0.001	
9/27/2016							<0.001
11/4/2016	<0.001		0.0003 (J)	<0.001	<0.001		
11/7/2016		<0.001				<0.001	
11/11/2016							<0.001
1/20/2017	<0.001		0.0003 (J)				
1/23/2017		<0.001		<0.001			
1/24/2017					<0.001	<0.001	
1/31/2017							<0.001
3/28/2017	7E-05 (J)			6E-05 (J)			
3/29/2017		7E-05 (J)	0.0003 (J)		<0.001		
3/30/2017						5E-05 (J)	
4/3/2017							<0.001
6/7/2017	6E-05 (J)						
6/8/2017		<0.001	0.0003 (J)	8E-05 (J)	<0.001		
6/9/2017						<0.001	
6/12/2017							<0.001
9/27/2017		6E-05 (J)	0.0003 (J)				
9/29/2017	6E-05 (J)			9E-05 (J)	<0.001	<0.001	
10/3/2017							<0.001
3/15/2018	<0.001	<0.001		<0.001	<0.001	<0.001	
3/16/2018			0.00036 (J)				
3/19/2018							<0.001
9/13/2018	<0.001	<0.001	0.00021 (J)	<0.001	<0.001		
9/14/2018						<0.001	
9/17/2018							<0.001
3/15/2019		<0.001		<0.001			
3/18/2019	<0.001				<0.001		
3/19/2019			0.00027 (J)			<0.001	
3/20/2019							<0.001
9/11/2019	<0.001		0.00023 (J)	0.000115 (JD)	<0.001	<0.001	
9/12/2019		<0.001					
9/16/2019							8.4E-05 (J)
3/9/2020		<0.001	0.00021 (J)	9E-05 (J)		<0.001	
3/10/2020	<0.001						
3/11/2020					<0.001		
3/16/2020							<0.001
9/11/2020					<0.001		
9/14/2020	<0.001	<0.001		<0.001		<0.001	
9/15/2020			0.00016 (J)				

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/16/2020							<0.001
3/11/2021	<0.001	<0.001	<0.001	<0.001			
3/15/2021					<0.001	<0.001	
3/17/2021							<0.001
8/4/2021				<0.001			
8/5/2021	<0.001	<0.001	<0.001			<0.001	
8/9/2021							<0.001
8/11/2021					<0.001		
1/31/2022	<0.001			<0.001			
2/1/2022		<0.001	<0.001		<0.001	<0.001	
2/2/2022							<0.001
8/15/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/16/2022							<0.001
2/14/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/20/2023							<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
10/8/2015				<0.001 (D)	0.0001 (D)	
10/9/2015	<0.001	<0.001				
10/10/2015						<0.001
3/22/2016					<0.001	
3/29/2016	<0.001	<0.001				
3/30/2016				<0.001		<0.001
5/24/2016	<0.001	<0.001		<0.001		
5/25/2016					<0.001	
5/26/2016						<0.001
5/31/2016			<0.001			
8/1/2016	<0.001	<0.001				
8/2/2016			<0.001	<0.001	<0.001	
8/5/2016						<0.001
9/26/2016	<0.001	<0.001			<0.001	
9/27/2016			<0.001	<0.001		
9/28/2016						<0.001
11/14/2016		<0.001				
11/18/2016	<0.001					
11/21/2016			<0.001		<0.001	<0.001
11/22/2016				<0.001		
2/1/2017	<0.001	<0.001	<0.001			
2/3/2017					<0.001	
2/6/2017				<0.001		<0.001
4/6/2017	5E-05 (J)	<0.001	<0.001	<0.001		<0.001
4/7/2017					<0.001	
6/13/2017	<0.001	<0.001	<0.001		7E-05 (J)	<0.001
6/14/2017				<0.001		
7/14/2017			<0.001			
10/3/2017	<0.001	<0.001	<0.001		<0.001	<0.001
10/4/2017				<0.001		
3/19/2018	<0.001					
3/20/2018		<0.001	<0.001		<0.001	<0.001
3/21/2018				<0.001		
9/17/2018	<0.001	<0.001				
9/18/2018			<0.001	<0.001	<0.001	<0.001 (D)
3/21/2019	<0.001	<0.001	<0.001			<0.001
3/27/2019				<0.001		
5/6/2019					<0.001	
9/13/2019			5.7E-05 (J)			
9/16/2019	<0.001	<0.001		<0.001 (D)	<0.001	<0.001
3/12/2020	<0.001	<0.001	0.00022 (J)	<0.001		<0.001
3/16/2020					<0.001	
9/16/2020	<0.001	<0.001	0.00019 (J)			
9/17/2020				<0.001	<0.001	<0.001
3/17/2021	<0.001	<0.001	0.00015 (J)	<0.001		
3/18/2021					<0.001	<0.001
8/10/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2022	<0.001	<0.001	0.00024 (J)	<0.001	<0.001	<0.001
2/17/2023	<0.001	<0.001				
2/20/2023			<0.001		<0.001	
2/21/2023				<0.001		<0.001

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					106		
3/15/2016							107
3/22/2016	150						
3/23/2016		259	174			<25	
5/11/2016					58		80
5/16/2016				114 (D)			
5/19/2016	150		93				
5/20/2016		122					
5/23/2016						<25	
7/19/2016					46		
7/21/2016							76
7/27/2016				107 (D)			
7/29/2016	146	156	68			17 (J)	
9/15/2016					41		
9/19/2016							108
9/22/2016			91			33	
9/23/2016	163	150					
11/2/2016					37		
11/3/2016							90
11/9/2016	147	87					
11/10/2016			96			41	
1/17/2017							128
1/18/2017					29		
1/30/2017	127						
1/31/2017		63	206			58	
2/21/2017				229 (D)			
3/24/2017							91
3/27/2017				239 (D)			
3/28/2017					40		
3/30/2017	137	112				<25	
4/3/2017			118				
5/24/2017							152
6/8/2017				179 (D)			
6/9/2017	164		87				
6/12/2017		216				20 (J)	
7/17/2017				180 (D)			
7/27/2017				190 (D)			
8/9/2017				153 (D)			
9/26/2017					107		103
9/29/2017				173 (D)			
10/2/2017	137	<25	73				
10/4/2017						<25	
3/14/2018					126		123
3/16/2018	140		130	150			
3/19/2018		295				<25	
9/12/2018					134		105
9/14/2018		30	103	165			
9/17/2018	162					32	
3/13/2019							130
3/14/2019				154			
3/15/2019					107		
3/19/2019			208				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/20/2019	175	49				30	
9/9/2019					93		108
9/10/2019				181			
9/12/2019	174	44					
9/13/2019			113			19	
3/9/2020				173	58		131
3/11/2020	172	309	170			24	
9/10/2020					16		
9/11/2020							102
9/15/2020	156	28	89				
9/16/2020				156			
3/10/2021							60
3/12/2021					55		
3/16/2021	155		102	142			
3/17/2021		211					
3/29/2021						76	
8/4/2021					60		66
8/6/2021				133			
8/9/2021	150	207	127			95	
1/31/2022					61		81
2/1/2022	143	202	114				
2/2/2022				143		104	
8/10/2022					50		
8/12/2022							91
8/16/2022	159	182	123	125		85	
2/13/2023					105 (J)		259 (J)
2/14/2023				149 (J)			
2/16/2023	152 (J)	267 (J)	197 (J)				
2/17/2023						117 (J)	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			139	69	144		
3/15/2016	110	78					
3/28/2016							<25
5/12/2016	49						
5/13/2016		178		88	142		
5/16/2016			112				
5/23/2016							32
7/19/2016				56	135		
7/20/2016	72						
7/21/2016		168					
7/22/2016			136				
8/1/2016							<25
9/15/2016	18 (J)						
9/16/2016				31	144		
9/19/2016			121				
9/21/2016		123					
9/26/2016							45
11/2/2016				48	152		
11/3/2016	70	157	132				
11/10/2016							38
1/17/2017		170	150				
1/18/2017	63			44	125		
1/30/2017							<25
2/22/2017						329 (D)	
3/24/2017	63						
3/27/2017		158	148				
3/28/2017				<35	109		
4/7/2017						295 (D)	18 (J)
6/6/2017	128	212		36	154		
6/7/2017			181				
6/12/2017							15 (J)
6/14/2017						237 (D)	
7/12/2017						400 (D)	
7/20/2017						203 (D)	
7/28/2017						262 (D)	
8/9/2017						195 (D)	
8/24/2017						236 (D)	
9/22/2017				41	157		
9/25/2017	109	145					
9/26/2017			113				
10/2/2017							17 (J)
10/3/2017						224 (D)	
3/14/2018	192	210	134	<35			
3/15/2018					117		
3/16/2018							<25
3/21/2018						237	
9/12/2018	82	159		<35	151		
9/14/2018			139				
9/17/2018							38
9/18/2018						227	
3/13/2019				31	152		
3/14/2019	119	157	157				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							34
3/21/2019						367 (D)	
9/10/2019	36	113	105				
9/11/2019				21	151		
9/12/2019						200 (D)	
9/13/2019							19
3/6/2020	137		143				
3/9/2020		249		51	174		
3/11/2020							17
3/12/2020						247	
9/10/2020	35	111	120				
9/11/2020				31			
9/14/2020					146		
9/16/2020							20
9/17/2020						223	
3/10/2021		148					
3/11/2021	101		109	14	98		
3/16/2021						196	
3/17/2021							<25
8/4/2021	77	176	141				
8/5/2021					126		
8/6/2021				33			
8/9/2021							14
8/10/2021						238	
1/31/2022	63	184	132	25	128		
2/1/2022							21
2/3/2022						243	
8/10/2022			134		145		
8/11/2022	73	170		28			
8/16/2022							<25
8/17/2022						226	
2/13/2023	111 (J)	163 (J)	226		126		
2/14/2023				60.9			
2/16/2023							<25
2/17/2023						252 (J)	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	46						
3/31/2016		122	135				
4/4/2016				79	135	58	156
5/25/2016	57						
5/26/2016		143	163	105	124		
5/27/2016						66	
5/31/2016							192
8/1/2016	<25						
8/3/2016			159	106		65	
8/4/2016					109		269
8/5/2016		143					
9/26/2016	60						
9/28/2016		160	208	148	104		
9/29/2016							288
9/30/2016						60	
11/11/2016	13 (J)						
11/22/2016		149	152	88	94	63	
11/28/2016							224
1/30/2017	<25						
2/7/2017		123	128				
2/8/2017				62	141 (J)		
2/9/2017							386
2/13/2017						104 (J)	
4/3/2017	100						
4/10/2017		95	186	92	114		
4/11/2017						63	
4/12/2017							254
6/12/2017	51						
6/14/2017		150	150			97	
6/15/2017				96	153		
6/16/2017							309
10/2/2017	32						
10/4/2017		140	153	78	121	74	
10/9/2017							269
3/16/2018	<25						
3/20/2018		93					
3/21/2018			192	111			211
3/22/2018					139	54	
9/18/2018	15 (J)	155	155	106	139	73	
9/19/2018							222
3/19/2019	48						
3/22/2019		95	140				
3/23/2019				64	148	58	135
9/12/2019	46						
9/17/2019		165	172	101	143	62	
9/18/2019							200
3/11/2020	24						
3/12/2020		63	81	96	125	64	
3/13/2020							143
9/15/2020	12						
9/17/2020		140	125				
9/21/2020				93	145	62	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							176
3/17/2021	31						
3/18/2021		74	62				82
3/19/2021				79	135	53	
8/9/2021	<25						
8/10/2021		120					
8/11/2021			138	53	149	58	131
2/2/2022	15					54	
2/4/2022		102	156	120	157		
2/17/2022							119
8/17/2022	18 (J)	128					
8/18/2022			135	59	141	48	132
2/16/2023	<25						
2/20/2023		47	154	98	149		
2/21/2023						42	
2/22/2023							1020

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					<36	<10	89
4/4/2016	110						
4/5/2016		42	103	53			
5/16/2016					35	<10 (D)	169 (D)
5/31/2016			157	70			
6/1/2016	121	63					
7/25/2016					24 (J)	16 (JD)	159 (D)
8/4/2016			154				
8/9/2016		267					
9/19/2016					19 (J)	12 (JD)	152 (D)
9/29/2016			142				
11/3/2016					34		150 (D)
11/4/2016						13 (JD)	
11/23/2016			172	118			
11/28/2016		116					
1/19/2017					13 (J)		
1/20/2017							152 (D)
1/23/2017						15 (JD)	
2/9/2017		212 (J)					
2/10/2017			237	214			
2/22/2017	311						
3/28/2017					<36		
3/29/2017						<10 (D)	143 (D)
4/11/2017	212	113		127			
4/12/2017			168				
6/5/2017					206		
6/7/2017						26	192
6/14/2017		120					
6/15/2017			176	126			
6/16/2017	262						
7/12/2017	310	153		164			
7/20/2017					72		
7/26/2017				129			
7/28/2017	289						
8/10/2017	288						
9/26/2017					35		
9/27/2017						<10	159
10/5/2017		102					
10/6/2017	268		155	140			
3/15/2018					41	<10	146
3/22/2018		115					
3/23/2018	281		170	119			
9/12/2018					<36		
9/13/2018						<10	185
9/19/2018		114	181	138			
9/20/2018	297						
3/14/2019					110	39 (XJD)	195 (D)
3/22/2019	249	104		116			
3/25/2019			167				
9/11/2019					58	<10 (D)	172 (D)
9/17/2019		86	179	117			
9/18/2019	281						

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/10/2020					127	60	245
3/13/2020		59	169	76			
3/17/2020	256						
9/11/2020						11	146
9/15/2020					56		
9/21/2020		94	186	122			
9/22/2020	248						
3/11/2021					43	12	167
3/18/2021		57	153	54			
3/19/2021	250						
8/4/2021					62		
8/6/2021						17	186
8/11/2021		77	181	122			
8/12/2021	263						
1/31/2022					63		
2/1/2022						70	201
2/4/2022	262	92	162				
2/7/2022				121			
8/12/2022						14	159
8/15/2022					50		
8/18/2022		83					
8/19/2022	243		152	112			
2/14/2023					70.9	33.9	206
2/22/2023	254	65	174	111			

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	253	152	149	63			
3/17/2016					103	31	
3/28/2016							<25
5/17/2016	251			<31			
5/18/2016		123	162		129	43	
5/25/2016							34
7/26/2016	249						
7/27/2016		113	132	11 (J)	108		
7/28/2016						43	
8/1/2016							25
9/20/2016	195	126	155	14 (J)			
9/21/2016					102	<25	
9/27/2016							20 (J)
11/4/2016	209		169	27	130		
11/7/2016		167				50	
11/11/2016							41
1/20/2017	211		135				
1/23/2017		125		15 (J)			
1/24/2017					152	63	
1/31/2017							127
3/28/2017	199			<31			
3/29/2017		116	147		95		
3/30/2017						<25	
4/3/2017							69
6/7/2017	251						
6/8/2017		131	159	29	176		
6/9/2017						20 (J)	
6/12/2017							46
9/27/2017		117	167				
9/29/2017	255			21 (J)	118	22 (J)	
10/3/2017							34
3/15/2018	231	102		<31	88	<25	
3/16/2018			141				
3/19/2018							<25
9/13/2018	263	144	175	<31	137		
9/14/2018						29	
9/17/2018							38
3/15/2019		125		41			
3/18/2019	251				170		
3/19/2019			154			35	
3/20/2019							66
9/11/2019	234		164	20	138	27	
9/12/2019		121					
9/16/2019							45
3/9/2020		147	44	100		51	
3/10/2020	273						
3/11/2020					125		
3/16/2020							20
9/11/2020					127		
9/14/2020	232	129		47		25	
9/15/2020			108				
9/16/2020							30

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	209	106	143	40			
3/15/2021					107	30	
3/17/2021							15
8/4/2021				34			
8/5/2021	210	90	142			<25	
8/9/2021							<25
8/11/2021					116		
1/31/2022	197			31			
2/1/2022		107	157		125	27	
2/2/2022							32
8/15/2022	187	141 (J)	104	37	103	<25	
8/16/2022							<25
2/14/2023	199	111 (J)	151	30.9	114	<25	
2/20/2023							53

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					111	
3/29/2016	51	64				
3/30/2016				104		26
5/24/2016	76	77		94		
5/25/2016					95	
5/26/2016						70
5/31/2016			120			
8/1/2016	69	35				
8/2/2016			100	105	124	
8/5/2016						95
9/26/2016	103	111			140	
9/27/2016			121	119		
9/28/2016						152
11/14/2016		76				
11/18/2016	77					
11/21/2016			164		154	145
11/22/2016				105		
2/1/2017	168	126	144			
2/3/2017					113	
2/6/2017				99		20 (J)
4/6/2017	95	146	125	124		17 (J)
4/7/2017					147	
6/13/2017	101	84	148		117	32
6/14/2017				114		
7/14/2017			121			
10/3/2017	83	70	117		150	71
10/4/2017				107		
3/19/2018	70					
3/20/2018		78	136		121	49
3/21/2018				117		
9/17/2018	77	74				
9/18/2018			116	110	93	38
3/21/2019	80	60	107			39
3/27/2019				101		
5/6/2019					118	
9/13/2019			115			
9/16/2019	82	65		113	99	85
3/12/2020	42	22	86	84		16
3/16/2020					76	
9/16/2020	77	52	124			
9/17/2020				111	98	94
3/17/2021	47	43	112	113		
3/18/2021					48	<25
8/10/2021	53	<10	101	112	92	22
2/2/2022	73	51	115	102	85	21
8/17/2022	53	33	83	89	41	25
2/17/2023	75 (J)	50 (J)				
2/20/2023			122		86	
2/21/2023				77		<25

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.01	<0.01	<0.01			<0.01	
10/23/2007	<0.01						
10/24/2007		<0.01	<0.01				
11/2/2007						<0.01	
11/18/2007	<0.01	0.0051	<0.01			0.0046	
1/30/2008	<0.01						
1/31/2008		<0.01	0.0078			<0.01	
3/10/2008	<0.01		<0.01				
3/11/2008		0.0032				<0.01	
5/6/2008		<0.01					
5/13/2008	<0.01		<0.01				
5/14/2008						<0.01	
12/4/2008		0.016 (O)	<0.01				
12/5/2008	<0.01					<0.01	
4/15/2009	<0.01					<0.01	
4/21/2009		0.005	0.0036				
10/7/2009	0.0099	<0.01					
10/8/2009			<0.01			<0.01	
4/21/2010			<0.01				
4/26/2010		<0.01					
4/28/2010						<0.01	
5/3/2010	<0.01						
9/28/2010			<0.01				
10/4/2010		0.0025					
10/6/2010						<0.01	
10/12/2010	<0.01						
4/12/2011			<0.01				
4/13/2011		<0.01					
4/21/2011						<0.01	
4/27/2011	<0.01						
10/4/2011			<0.01				
10/5/2011		<0.01					
10/13/2011						<0.01	
10/17/2011	<0.01						
4/3/2012			<0.01				
4/11/2012		<0.01					
5/1/2012						<0.01	
5/2/2012	<0.01						
10/8/2012	<0.01						
10/9/2012		<0.01	<0.01			<0.01	
4/11/2013			<0.01			<0.01	
4/12/2013	<0.01						
4/15/2013		<0.01					
10/15/2013		<0.01					
10/16/2013	<0.01		<0.01			<0.01	
4/10/2014			0.005 (J)				
4/11/2014	<0.01						
4/22/2014		<0.01					
4/23/2014						<0.01	
9/30/2014	<0.01	<0.01	<0.01				
10/4/2014						<0.01	
3/30/2015	0.0067	0.0016 (J)	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0023 (J)	
10/12/2015						<0.01	
10/13/2015	<0.01	<0.01	<0.01				
3/14/2016					<0.01		
3/15/2016							<0.01
3/22/2016	0.00214 (J)						
3/23/2016		<0.01	<0.01			<0.01	
5/11/2016					<0.01		<0.01
5/16/2016				<0.01 (D)			
7/19/2016					<0.01		
7/21/2016							<0.01
7/27/2016				0.002 (JD)			
7/29/2016	<0.01	<0.01	<0.01			<0.01	
9/15/2016					<0.01		<0.01
11/2/2016					<0.01		
11/3/2016							<0.01
1/17/2017							<0.01
1/18/2017					<0.01		
2/21/2017				<0.01			
3/24/2017							<0.01
3/27/2017				<0.01 (D)			
3/28/2017					<0.01		
3/30/2017	<0.01	<0.01				<0.01	
4/3/2017			<0.01				
9/26/2017					<0.01		<0.01
9/29/2017				<0.01 (D)			
10/2/2017	<0.01	<0.01	<0.01				
10/4/2017						<0.01	
3/14/2018					<0.01		<0.01
3/16/2018	<0.01		<0.01	<0.01			
3/19/2018		<0.01				<0.01	
9/12/2018					<0.01		<0.01
9/14/2018		<0.01	<0.01	<0.01			
9/17/2018	<0.01 (D)					<0.01	
3/13/2019							<0.01
3/14/2019				<0.01			
3/15/2019					<0.01		
3/19/2019			<0.01				
3/20/2019	<0.01	<0.01				<0.01	
9/9/2019					<0.01		<0.01
9/12/2019	<0.01	<0.01 (D)					
9/13/2019			0.001 (J)			<0.01	
3/9/2020				<0.01	<0.01		<0.01
3/11/2020	<0.01	<0.01	0.00084 (J)			<0.01	
9/10/2020					<0.01		
9/11/2020							<0.01
9/15/2020	<0.01	<0.01	<0.01				
9/16/2020				<0.01			
3/10/2021							<0.01
3/12/2021					<0.01		
3/16/2021	<0.01		<0.01	<0.01			
3/17/2021		<0.01					

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.01	
8/4/2021					<0.01		<0.01
8/6/2021				<0.01			
8/9/2021	<0.01	<0.01	<0.01			<0.01	
1/31/2022					<0.01		<0.01
2/1/2022	<0.01	<0.01	<0.01				
2/2/2022				<0.01		<0.01	
8/10/2022					<0.01		
8/12/2022							<0.01
8/16/2022	<0.01	<0.01	<0.01	<0.01		<0.01	
2/13/2023					<0.01		<0.01
2/14/2023				<0.01			
2/16/2023	<0.01	<0.01	<0.01				
2/17/2023						<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.01
4/23/2009							<0.01
10/6/2009							<0.01
4/27/2010							<0.01
9/30/2010							<0.01
4/14/2011							<0.01
10/5/2011							<0.01
4/11/2012							<0.01
10/2/2012							<0.01
4/9/2013							<0.01
10/15/2013							<0.01
4/10/2014							<0.01
10/1/2014							<0.01
3/30/2015							<0.01
10/11/2015							<0.01
3/11/2016			<0.01	0.00204 (J)	0.00202 (J)		
3/15/2016	<0.01	<0.01					
3/28/2016							<0.01
5/12/2016	<0.01						
5/13/2016		<0.01		<0.01	<0.01		
5/16/2016			<0.01				
7/19/2016				<0.01	<0.01		
7/20/2016	<0.01						
7/21/2016		<0.01					
7/22/2016			<0.01				
8/1/2016							<0.01
9/15/2016	<0.01						
9/16/2016				<0.01	<0.01		
9/19/2016			<0.01				
9/21/2016		<0.01					
11/2/2016				<0.01	<0.01		
11/3/2016	<0.01	<0.01	<0.01				
1/17/2017		<0.01	<0.01				
1/18/2017	<0.01			<0.01	<0.01		
3/24/2017	<0.01						
3/27/2017		<0.01	<0.01				
3/28/2017				<0.01	<0.01		
4/7/2017						<0.01	<0.01
9/22/2017				<0.01	<0.01		
9/25/2017	<0.01	<0.01					
9/26/2017			<0.01				
10/2/2017							<0.01
10/3/2017						<0.01 (D)	
3/14/2018	<0.01	<0.01	<0.01	<0.01			
3/15/2018					<0.01		
3/16/2018							<0.01
3/21/2018						<0.01	
9/12/2018	<0.01	<0.01		<0.01	<0.01		
9/14/2018			<0.01				
9/17/2018							<0.01
9/18/2018						<0.01	
3/13/2019				<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.01	<0.01	<0.01				
3/19/2019							<0.01
3/21/2019						<0.01 (D)	
9/10/2019	<0.01 (D)	<0.01	<0.01				
9/11/2019				<0.01	<0.01		
9/12/2019						0.00084 (JD)	
9/13/2019							<0.01
3/6/2020	<0.01		<0.01				
3/9/2020		<0.01		<0.01	0.00074 (J)		
3/11/2020							<0.01
3/12/2020						<0.01	
9/10/2020	<0.01	<0.01	<0.01				
9/11/2020				<0.01			
9/14/2020					<0.01		
9/16/2020							<0.01
9/17/2020						<0.01	
3/10/2021		<0.01					
3/11/2021	<0.01		<0.01	<0.01	<0.01		
3/16/2021						<0.01	
3/17/2021							<0.01
8/4/2021	<0.01	<0.01	<0.01				
8/5/2021					<0.01		
8/6/2021				<0.01			
8/9/2021							<0.01
8/10/2021						<0.01	
1/31/2022	<0.01	<0.01	<0.01	<0.01	<0.01		
2/1/2022							<0.01
2/3/2022						<0.01	
8/10/2022			<0.01		<0.01		
8/11/2022	<0.01	<0.01		<0.01			
8/16/2022							<0.01
8/17/2022						<0.01	
2/13/2023	<0.01	<0.01	<0.01		<0.01		
2/14/2023				<0.01			
2/16/2023							<0.01
2/17/2023						<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01		
11/19/2007						<0.01	0.0035
11/20/2007		0.0034	<0.01				
1/16/2008						0.0071	
1/30/2008		0.005	<0.01	<0.01	<0.01		
1/31/2008							0.0039
3/5/2008				<0.01		0.0031	<0.01
3/6/2008		0.0032	<0.01		0.0047		
5/7/2008				0.0029	0.003		
5/8/2008			<0.01				
5/12/2008		<0.01					0.0064
5/13/2008						<0.01	
12/12/2008	<0.01						
12/13/2008		0.0082				<0.01	0.02 (O)
12/14/2008			<0.01	0.0026	0.0056		
4/16/2009						0.0037	
4/23/2009	0.0065						
4/28/2009							0.0039
4/29/2009		<0.01	<0.01	<0.01	0.018 (O)		
10/6/2009	0.0026						
10/20/2009		<0.01					
10/21/2009			<0.01			0.0047	0.0037
10/22/2009				0.0026	0.0079		
4/21/2010			<0.01	<0.01	0.0075		
4/26/2010		<0.01					
4/27/2010						0.0082	
4/28/2010							<0.01
5/3/2010	0.0028						
9/28/2010			<0.01	<0.01			
9/29/2010		<0.01			0.0065		
10/5/2010						<0.01	<0.01
10/11/2010	0.0035						
4/12/2011			<0.01	<0.01			
4/13/2011		<0.01			0.004		
4/19/2011						0.0036	0.0025
4/27/2011	0.0047						
10/4/2011			<0.01	<0.01	0.0054		
10/5/2011		<0.01					
10/12/2011						<0.01	
10/18/2011							0.0037
10/19/2011	<0.01						
4/3/2012			<0.01	<0.01			
4/4/2012		<0.01			<0.01		
4/24/2012						<0.01	
4/25/2012							<0.01
5/1/2012	<0.01						
10/2/2012	<0.01					<0.01	<0.01
10/3/2012		<0.01		<0.01	<0.01		
10/8/2012			<0.01				
4/2/2013						<0.01	<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.01	<0.01	<0.01	<0.01		
4/10/2013	<0.01						
10/8/2013							<0.01
10/9/2013				<0.01	<0.01	<0.01	
10/15/2013		<0.01	<0.01				
10/16/2013	<0.01						
4/1/2014						<0.01	0.005 (J)
4/2/2014				<0.01	0.005 (J)		
4/9/2014		<0.01	<0.01				
4/22/2014	0.005 (J)						
10/1/2014	<0.01						<0.01
10/2/2014		<0.01	<0.01	<0.01	<0.01	<0.01	
3/30/2015	0.0032 (J)						
4/1/2015				<0.01	0.0067	<0.01	0.0019 (J)
4/2/2015		<0.01	<0.01				
10/10/2015		<0.01					
10/11/2015	<0.01			<0.01	0.0049 (J)		
10/12/2015			<0.01				
10/14/2015						0.0022 (J)	
10/15/2015							<0.01
3/28/2016	<0.01						
3/31/2016		<0.01	<0.01				
4/4/2016				<0.01	0.00251 (J)	<0.01	0.00211 (J)
8/1/2016	<0.01						
8/3/2016			<0.01	<0.01		<0.01	
8/4/2016					<0.01		<0.01
8/5/2016		<0.01					
4/3/2017	<0.01						
4/10/2017		<0.01	<0.01	<0.01	<0.01		
4/11/2017						<0.01	
4/12/2017							0.0016 (J)
10/2/2017	<0.01						
10/4/2017		<0.01	<0.01	<0.01	0.0015 (J)	<0.01	
10/9/2017							<0.01
3/16/2018	<0.01						
3/20/2018		<0.01					
3/21/2018			<0.01	<0.01			<0.01
3/22/2018					<0.01	<0.01	
9/18/2018	<0.01	<0.01	<0.01	<0.01	0.0022 (J)	<0.01	
9/19/2018							0.0022 (J)
3/19/2019	<0.01						
3/22/2019		<0.01	<0.01				
3/23/2019				<0.01	<0.01	<0.01	<0.01
9/12/2019	<0.01						
9/17/2019		<0.01	<0.01	<0.01	<0.01	<0.01 (D)	
9/18/2019							<0.01
3/11/2020	<0.01						
3/12/2020		<0.01	<0.01	<0.01	<0.01	<0.01	
3/13/2020							0.002 (J)
9/15/2020	<0.01						
9/17/2020		<0.01	<0.01				
9/21/2020				<0.01	<0.01	<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.01
3/17/2021	<0.01						
3/18/2021		<0.01	<0.01				<0.01
3/19/2021				<0.01	<0.01	<0.01	
8/9/2021	<0.01						
8/10/2021		<0.01					
8/11/2021			<0.01	<0.01	<0.01	<0.01	0.0021 (J)
2/2/2022	<0.01					<0.01	
2/4/2022		<0.01	<0.01	<0.01	<0.01		
2/17/2022							<0.01
8/17/2022	<0.01	<0.01					
8/18/2022			<0.01	<0.01	<0.01	<0.01	<0.01
2/16/2023	<0.01						
2/20/2023		<0.01	<0.01	<0.01	<0.01		
2/21/2023						0.0034 (J)	
2/22/2023							0.0019 (J)

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.01						
8/23/2007			<0.01				
8/24/2007		0.012		0.0027			
11/1/2007	0.0048						
11/2/2007		<0.01	<0.01	0.012			
11/17/2007		0.0043	<0.01				
11/18/2007				0.016 (J)			
11/19/2007	0.0054						
1/15/2008		0.0037	<0.01	0.018			
1/31/2008	0.003						
3/5/2008	<0.01	0.0049					
3/6/2008			<0.01				
3/10/2008				0.014			
5/7/2008	0.0041	<0.01	<0.01				
5/13/2008				0.013			
12/2/2008		0.0097	<0.01	0.016			
12/12/2008	0.023 (O)						
4/16/2009		0.0061					
4/28/2009			<0.01	0.016			
4/29/2009	0.006						
10/19/2009			<0.01				
10/20/2009		0.0092		0.021			
10/21/2009	0.022 (O)						
4/20/2010		<0.01					
4/27/2010			<0.01	0.012			
4/28/2010	0.011						
9/29/2010		<0.01					
10/4/2010			<0.01				
10/5/2010				0.011			
10/6/2010	0.0064						
4/12/2011		<0.01					
4/18/2011			<0.01				
4/19/2011				0.012			
4/20/2011	0.0046						
10/4/2011		<0.01					
10/12/2011	<0.01		<0.01	0.0031			
4/4/2012		<0.01					
4/23/2012			<0.01				
4/25/2012	<0.01			<0.01			
10/2/2012	<0.01						
10/10/2012		<0.01	<0.01	<0.01			
4/2/2013	<0.01						
4/15/2013		<0.01	<0.01				
4/16/2013				<0.01			
10/8/2013	<0.01						
10/22/2013		<0.01	<0.01	<0.01			
4/1/2014	0.005 (J)						
4/21/2014		0.005 (J)	<0.01	0.005 (J)			
9/30/2014		<0.01	<0.01	<0.01			
10/1/2014	<0.01						
3/31/2015	<0.01						
4/3/2015		0.001 (J)	<0.01	0.0016 (J)			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.002 (J)			
10/7/2015		<0.01	<0.01				
10/14/2015	<0.01						
3/16/2016					<0.01	<0.01	<0.01
4/4/2016	<0.01						
4/5/2016		<0.01	<0.01	0.00233 (J)			
5/16/2016					<0.01	<0.01 (D)	<0.01 (D)
7/25/2016					<0.01	0.0022 (JD)	<0.01 (D)
8/4/2016			<0.01				
8/9/2016		<0.01					
9/19/2016					<0.01	<0.01 (D)	<0.01 (D)
11/3/2016					<0.01		<0.01 (D)
11/4/2016						<0.01 (D)	
1/19/2017					<0.01		
1/20/2017							<0.01 (D)
1/23/2017						<0.01 (D)	
3/28/2017					<0.01		
3/29/2017						<0.01 (D)	<0.01 (D)
4/11/2017	<0.01	<0.01		<0.01			
4/12/2017			<0.01				
9/26/2017					<0.01		
9/27/2017						<0.01	<0.01
10/5/2017		<0.01					
10/6/2017	<0.01		<0.01	<0.01			
3/15/2018					<0.01	<0.01	<0.01
3/22/2018		<0.01					
3/23/2018	<0.01		<0.01	<0.01			
9/12/2018					<0.01		
9/13/2018						<0.01	<0.01
9/19/2018		<0.01	<0.01	<0.01			
9/20/2018	<0.01						
3/14/2019					<0.01	<0.01 (D)	<0.01 (D)
3/22/2019	<0.01	<0.01		<0.01			
3/25/2019			<0.01				
9/11/2019					<0.01	<0.01 (D)	<0.01 (D)
9/17/2019		<0.01	<0.01	<0.01			
9/18/2019	<0.01						
3/10/2020					<0.01	<0.01	<0.01
3/13/2020		<0.01	0.00077 (J)	0.00095 (J)			
3/17/2020	<0.01						
9/11/2020						<0.01	<0.01
9/15/2020					<0.01		
9/21/2020		<0.01	<0.01	<0.01			
9/22/2020	<0.01						
3/11/2021					<0.01	<0.01	<0.01
3/18/2021		<0.01	<0.01	<0.01			
3/19/2021	<0.01						
8/4/2021					<0.01		
8/6/2021						<0.01	<0.01
8/11/2021		<0.01	<0.01	<0.01			
8/12/2021	<0.01						
1/31/2022					<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.01	<0.01
2/4/2022	<0.01	<0.01	<0.01				
2/7/2022				<0.01			
8/12/2022						<0.01	<0.01
8/15/2022					<0.01		
8/18/2022		<0.01					
8/19/2022	<0.01		<0.01	<0.01			
2/14/2023					<0.01	<0.01	<0.01
2/22/2023	<0.01	<0.01	<0.01	<0.01			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0032
10/25/2007							<0.01
11/19/2007							<0.01
1/23/2008							<0.01
3/11/2008							<0.01
5/12/2008							<0.01
12/11/2008							<0.01
4/15/2009							<0.01
10/9/2009							<0.01
5/4/2010							<0.01
10/12/2010							<0.01
4/28/2011							<0.01
10/19/2011							<0.01
5/2/2012							<0.01
10/9/2012							<0.01
4/11/2013							<0.01
10/16/2013							<0.01
4/23/2014							<0.01
10/3/2014							0.00097 (J)
3/31/2015							0.00096 (J)
10/12/2015							<0.01
3/10/2016	<0.01	<0.01	<0.01	<0.01			
3/17/2016					<0.01	<0.01	
3/28/2016							<0.01
5/17/2016	<0.01			<0.01			
5/18/2016		<0.01	<0.01		<0.01	<0.01	
7/26/2016	<0.01						
7/27/2016		<0.01	<0.01	<0.01	<0.01		
7/28/2016						<0.01	
8/1/2016							<0.01
9/20/2016	<0.01	<0.01	<0.01	<0.01			
9/21/2016					<0.01	<0.01	
11/4/2016	<0.01		<0.01	<0.01	<0.01		
11/7/2016		<0.01				<0.01	
1/20/2017	<0.01		<0.01				
1/23/2017		<0.01		<0.01			
1/24/2017					<0.01	<0.01	
3/28/2017	<0.01			<0.01			
3/29/2017		<0.01	<0.01		<0.01		
3/30/2017						<0.01	
4/3/2017							<0.01
9/27/2017		<0.01	<0.01				
9/29/2017	<0.01			<0.01	<0.01	<0.01	
10/3/2017							<0.01
3/15/2018	<0.01	<0.01		<0.01	<0.01	<0.01	
3/16/2018			<0.01				
3/19/2018							<0.01
9/13/2018	<0.01	<0.01	<0.01	<0.01	<0.01		
9/14/2018						<0.01	
9/17/2018							<0.01
3/15/2019		<0.01		<0.01			
3/18/2019	<0.01				<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			<0.01			<0.01	
3/20/2019							<0.01
9/11/2019	<0.01		<0.01	<0.01 (D)	<0.01	<0.01	
9/12/2019		<0.01					
9/16/2019							<0.01
3/9/2020		<0.01	0.00075 (J)	<0.01		<0.01	
3/10/2020	<0.01						
3/11/2020					<0.01		
3/16/2020							<0.01
9/11/2020					<0.01		
9/14/2020	<0.01	<0.01		<0.01		<0.01	
9/15/2020			<0.01				
9/16/2020							<0.01
3/11/2021	<0.01	<0.01	<0.01	<0.01			
3/15/2021					<0.01	<0.01	
3/17/2021							<0.01
8/4/2021				<0.01			
8/5/2021	<0.01	<0.01	<0.01			<0.01	
8/9/2021							<0.01
8/11/2021					<0.01		
1/31/2022	<0.01			<0.01			
2/1/2022		<0.01	<0.01		<0.01	<0.01	
2/2/2022							<0.01
8/15/2022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
8/16/2022							<0.01
2/14/2023	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
2/20/2023							<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	<0.01					
11/1/2007						<0.01
11/19/2007						0.0052
11/20/2007	<0.01					
1/15/2008						0.0065
1/23/2008	0.007					
3/6/2008						0.0028
3/11/2008	0.0033					
5/13/2008						<0.01
5/14/2008	0.0043					
12/11/2008	<0.01					
12/12/2008						<0.01
4/16/2009						0.0033
4/23/2009	<0.01					
10/9/2009	0.0043					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	0.0027					
9/29/2010						<0.01
10/11/2010	0.0034					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		<0.01
4/9/2014						<0.01
4/10/2014				0.005 (J)		
4/14/2014	0.005 (J)					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	0.0016 (J)					
4/1/2015	0.0021 (J)					
4/2/2015						<0.01
4/3/2015				<0.01		
5/26/2015		<0.01			<0.01	
6/18/2015		<0.01 (D)			0.005 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				0.0056	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						0.0032 (JD)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		<0.01
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
10/3/2017	<0.01	<0.01	<0.01		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	<0.01			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			<0.01			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/16/2020					<0.01	
9/16/2020	<0.01	<0.01	<0.01			
9/17/2020				<0.01	<0.01	<0.01
3/17/2021	<0.01	<0.01	<0.01	<0.01		
3/18/2021					<0.01	<0.01
8/10/2021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2/2/2022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
8/17/2022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2/17/2023	<0.01	<0.01				
2/20/2023			<0.01		<0.01	
2/21/2023				<0.01		0.003 (J)

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	0.032 (O)	0.0033	0.0079			0.066	
10/23/2007	0.0099						
10/24/2007		0.043 (O)	<0.02				
11/2/2007						0.055	
11/18/2007	0.0095 (J)	0.024	0.015			0.13	
1/30/2008	0.022 (O)						
1/31/2008		0.015	0.063 (O)			0.13	
3/10/2008	0.014		0.013 (J)				
3/11/2008		0.027				0.07	
5/6/2008		0.0032					
5/13/2008	0.0075		0.0072				
5/14/2008						0.12	
12/4/2008		0.081 (O)	0.011 (J)				
12/5/2008	0.0056 (J)					0.088	
4/15/2009	0.0033					0.068	
4/21/2009		0.0057	0.0041				
10/7/2009	0.061 (O)	<0.02					
10/8/2009			<0.02			0.075	
4/21/2010			<0.02				
4/26/2010		<0.02					
4/28/2010						0.071	
5/3/2010	0.0033						
9/28/2010			0.0081				
10/4/2010		0.0057					
10/6/2010						0.074	
10/12/2010	0.0041						
4/12/2011			0.0025				
4/13/2011		<0.02					
4/21/2011						0.047	
4/27/2011	<0.02						
10/4/2011			0.0027				
10/5/2011		<0.02					
10/13/2011						0.073	
10/17/2011	0.0046						
4/3/2012			<0.02				
4/11/2012		<0.02					
5/1/2012						0.0652	
5/2/2012	<0.02						
10/8/2012	0.0053						
10/9/2012		<0.02	0.0064			0.061	
4/11/2013			<0.02			0.053	
4/12/2013	0.006						
4/15/2013		0.0038					
10/15/2013		0.0044					
10/16/2013	0.0048		<0.02			0.047	
4/10/2014			0.0026				
4/11/2014	0.0033						
4/22/2014		0.0025 (J)					
4/23/2014						0.041	
9/30/2014	0.002 (J)	0.00076 (J)	0.0012 (J)				
10/4/2014						0.044 (V)	
3/30/2015	0.012	0.0024 (J)	0.013				

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.12	
10/12/2015						0.053	
10/13/2015	0.011	0.0017 (J)	0.0043				
3/14/2016					<0.02		
3/15/2016							<0.02
3/22/2016	0.00346 (J)						
3/23/2016		<0.02	<0.02			0.0532	
5/11/2016					0.00467 (J)		<0.02
5/16/2016				<0.02 (D)			
7/19/2016					<0.02 (*)		
7/21/2016							<0.02 (*)
7/27/2016				<0.02 (*)			
7/29/2016	<0.02	<0.02	<0.02			0.0446	
9/15/2016					0.0044 (J)		<0.02
11/2/2016					0.0043 (J)		
11/3/2016							<0.02
1/17/2017							<0.02
1/18/2017					<0.02 (*)		
2/21/2017				0.0049 (J)			
3/24/2017							<0.02 (*)
3/27/2017				<0.02 (*)			
3/28/2017					<0.02 (*)		
3/30/2017	<0.02	<0.02				0.0479	
4/3/2017			<0.02				
9/26/2017					0.0029 (J)		0.0019 (J)
9/29/2017				0.0012 (JD)			
10/2/2017	<0.02	<0.02	<0.02				
10/4/2017						0.0429	
3/14/2018					<0.02		<0.02
3/16/2018	<0.02		<0.02	0.0042 (J)			
3/19/2018		<0.02				<0.02	
9/12/2018					<0.02		<0.02
9/14/2018		<0.02	<0.02	<0.02			
9/17/2018	<0.02 (D)					0.04	
3/13/2019							<0.02
3/14/2019				0.0035 (J)			
3/15/2019					0.0023 (J)		
3/19/2019			<0.02				
3/20/2019	<0.02	<0.02				0.028	
9/9/2019					0.0047 (J)		0.0058 (J)
9/12/2019	0.0047 (J)	0.00505 (JD)					
9/13/2019			0.0078 (J)			0.036	
3/9/2020				0.009 (J)	0.0035 (J)		0.002 (J)
3/11/2020	0.0035 (J)	0.0028 (J)	0.0038 (J)			0.031	
9/10/2020					<0.02		
9/11/2020							<0.02
9/15/2020	<0.02	<0.02	<0.02				
9/16/2020				<0.02			
3/10/2021							<0.02
3/12/2021					0.0065 (J)		
3/16/2021	0.0091 (J)		<0.02	<0.02			
3/17/2021		<0.02					

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.02	
8/4/2021					<0.02		<0.02
8/6/2021				<0.02			
8/9/2021	<0.02	<0.02	<0.02			<0.02	
1/31/2022					<0.02		<0.02
2/1/2022	<0.02	<0.02	<0.02				
2/2/2022				<0.02		<0.02	
8/10/2022					<0.02		
8/12/2022							<0.02
8/16/2022	<0.02	<0.02	<0.02	<0.02		<0.02	
2/13/2023					<0.02		<0.02
2/14/2023				<0.02			
2/16/2023	<0.02	<0.02	<0.02				
2/17/2023						<0.02	

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.048 (O)
4/23/2009							0.0075
10/6/2009							0.0075
4/27/2010							0.0051
9/30/2010							0.0089
4/14/2011							0.0043
10/5/2011							0.0051
4/11/2012							<0.02
10/2/2012							0.006
4/9/2013							0.0034
10/15/2013							0.0042
4/10/2014							0.0035
10/1/2014							0.0019 (J)
3/30/2015							0.0032
10/11/2015							0.0048
3/11/2016			0.00862 (J)	0.0093 (J)	0.00722 (J)		
3/15/2016	<0.02	0.00286 (J)					
3/28/2016							0.00282 (J)
5/12/2016	<0.02						
5/13/2016		<0.02		0.00336 (J)	0.00666 (J)		
5/16/2016			0.00744 (J)				
7/19/2016				<0.02 (*)	<0.02 (*)		
7/20/2016	<0.02						
7/21/2016		<0.02 (*)					
7/22/2016			<0.02 (*)				
8/1/2016							<0.02
9/15/2016	0.0027 (J)						
9/16/2016				0.0023 (J)	<0.02		
9/19/2016			0.0162				
9/21/2016		<0.02					
11/2/2016				0.0047 (J)	0.0057 (J)		
11/3/2016	<0.02	<0.02	0.011				
1/17/2017		<0.02	0.0104				
1/18/2017	<0.02 (*)			<0.02	0.0022 (J)		
3/24/2017	<0.02 (*)						
3/27/2017		<0.02 (*)	<0.02 (*)				
3/28/2017				<0.02 (*)	<0.02		
4/7/2017						<0.02	<0.02
9/22/2017				0.0013 (J)	0.0014 (J)		
9/25/2017	<0.02	0.0023 (J)					
9/26/2017			0.0094 (J)				
10/2/2017							0.0015 (J)
10/3/2017						<0.02 (D)	
3/14/2018	<0.02	<0.02	<0.02	<0.02			
3/15/2018					<0.02		
3/16/2018							<0.02
3/21/2018						<0.02	
9/12/2018	<0.02	<0.02		<0.02	<0.02		
9/14/2018			<0.02				
9/17/2018							<0.02
9/18/2018						<0.02	
3/13/2019				0.0022 (J)	0.0023 (J)		

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.02	0.0021 (J)	0.01				
3/19/2019							<0.02
3/21/2019						0.0034 (JD)	
9/10/2019	0.00745 (JD)	0.0075 (J)	0.014				
9/11/2019				0.0065 (J)	0.0053 (J)		
9/12/2019						0.0072 (JD)	
9/13/2019							0.0061 (J)
3/6/2020	0.0027 (J)		0.012				
3/9/2020		0.0024 (J)		0.002 (J)	0.0022 (J)		
3/11/2020							0.0025 (J)
3/12/2020						0.0027 (J)	
9/10/2020	<0.02	<0.02	0.0073 (J)				
9/11/2020				<0.02			
9/14/2020					<0.02		
9/16/2020							<0.02
9/17/2020						0.0047 (J)	
3/10/2021		<0.02					
3/11/2021	<0.02		0.0089 (J)	<0.02	<0.02		
3/16/2021						<0.02	
3/17/2021							<0.02
8/4/2021	<0.02	<0.02	<0.02				
8/5/2021					<0.02		
8/6/2021				<0.02			
8/9/2021							<0.02
8/10/2021						<0.02	
1/31/2022	<0.02	<0.02	<0.02	<0.02	<0.02		
2/1/2022							<0.02
2/3/2022						<0.02	
8/10/2022			0.0089 (J)		<0.02		
8/11/2022	<0.02	<0.02		<0.02			
8/16/2022							<0.02
8/17/2022						<0.02	
2/13/2023	<0.02	<0.02	0.011 (J)		<0.02		
2/14/2023				<0.02			
2/16/2023							<0.02
2/17/2023						<0.02	

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.031	0.0066	<0.02	<0.02	0.036	0.0064
11/1/2007		0.0041	0.0086	<0.02	<0.02	0.0041	<0.02
11/18/2007				<0.02	<0.02		
11/19/2007						0.015	0.015
11/20/2007		0.056	0.005				
1/16/2008						0.074	
1/30/2008		0.032	0.0084	<0.02	<0.02		
1/31/2008							0.032 (O)
3/5/2008				<0.02		0.055	0.0061
3/6/2008		0.03	0.0073		0.0038		
5/7/2008				0.015	<0.02		
5/8/2008			0.0084				
5/12/2008		0.008					0.012
5/13/2008						0.035	
12/12/2008	0.013 (J)						
12/13/2008		0.056				0.012 (J)	0.087 (O)
12/14/2008			0.0075 (J)	0.0086 (J)	0.0031 (J)		
4/16/2009						0.053	
4/23/2009	0.075 (O)						
4/28/2009							0.067 (O)
4/29/2009		0.057	0.0028	0.0037	0.0031		
10/6/2009	0.056 (O)						
10/20/2009		0.0037					
10/21/2009			<0.02			0.0063	0.025 (O)
10/22/2009				<0.02	0.0029		
4/21/2010			<0.02	<0.02	0.0027		
4/26/2010		<0.02					
4/27/2010						0.045	
4/28/2010							0.014
5/3/2010	0.051 (O)						
9/28/2010			0.005	0.0042			
9/29/2010		0.012			<0.02		
10/5/2010						0.0047	0.012
10/11/2010	0.016						
4/12/2011			<0.02	<0.02			
4/13/2011		<0.02			<0.02		
4/19/2011						0.0068	0.012
4/27/2011	0.025 (O)						
10/4/2011			0.0088	0.012	0.003		
10/5/2011		0.0031					
10/12/2011						0.0048	
10/18/2011							0.025
10/19/2011	0.0078						
4/3/2012			<0.02	<0.02			
4/4/2012		<0.02			<0.02		
4/24/2012						<0.02	
4/25/2012							0.014
5/1/2012	0.0134						
10/2/2012	0.012					<0.02	0.0089
10/3/2012		0.0085		<0.02	0.0029		
10/8/2012			0.0034				
4/2/2013						0.0081	0.0082

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0061	<0.02	<0.02	0.0035		
4/10/2013	0.018						
10/8/2013							0.015
10/9/2013				<0.02	<0.02	0.0032	
10/15/2013		0.008	0.0027				
10/16/2013	0.015						
4/1/2014						0.0025 (J)	0.0074
4/2/2014				0.0063	0.0033		
4/9/2014		0.0048	0.0025 (J)				
4/22/2014	0.015						
10/1/2014	0.0038						0.00077 (J)
10/2/2014		0.0023 (JV)	0.0027 (V)	0.0023 (J)	0.0027	0.0023 (J)	
3/30/2015	0.0097						
4/1/2015				0.0017 (J)	0.013	0.0035	0.0082
4/2/2015		0.0023 (J)	0.002 (J)				
10/10/2015		0.0024 (J)					
10/11/2015	0.0024 (J)			0.0016 (J)	0.017		
10/12/2015			<0.02				
10/14/2015						0.0066	
10/15/2015							0.0082
3/28/2016	0.00703 (J)						
3/31/2016		<0.02	0.00266 (J)				
4/4/2016				<0.02	0.00419 (J)	0.00858 (J)	0.00818 (J)
8/1/2016	<0.02						
8/3/2016			<0.02	<0.02		<0.02	
8/4/2016					<0.02		<0.02
8/5/2016		<0.02					
4/3/2017	<0.02						
4/10/2017		<0.02	<0.02	<0.02	<0.02		
4/11/2017						<0.02	
4/12/2017							<0.02
10/2/2017	0.0016 (J)						
10/4/2017		0.0012 (J)	<0.02	0.0014 (J)	0.0014 (J)	0.0104	
10/9/2017							<0.02
3/16/2018	<0.02						
3/20/2018		<0.02					
3/21/2018			<0.02	<0.02			<0.02
3/22/2018					<0.02	0.014	
9/18/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.013	
9/19/2018							<0.02
3/19/2019	<0.02						
3/22/2019		<0.02	<0.02				
3/23/2019				<0.02	<0.02	0.012	0.021
9/12/2019	0.0058 (J)						
9/17/2019		0.0052 (J)	0.0048 (J)	0.0056 (J)	0.0075 (J)	0.018 (D)	
9/18/2019							0.007 (J)
3/11/2020	0.0033 (J)						
3/12/2020		0.0024 (J)	0.0027 (J)	0.0038 (J)	0.0053 (J)	0.015	
3/13/2020							0.0043 (J)
9/15/2020	<0.02						
9/17/2020		<0.02	<0.02				
9/21/2020				<0.02	0.0037 (J)	0.0065 (J)	

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.02
3/17/2021	<0.02						
3/18/2021		<0.02	<0.02				<0.02
3/19/2021				<0.02	<0.02	0.0076 (J)	
8/9/2021	<0.02						
8/10/2021		<0.02					
8/11/2021			<0.02	<0.02	<0.02	0.011 (J)	<0.02
2/2/2022	<0.02					0.019 (J)	
2/4/2022		<0.02	<0.02	<0.02	<0.02		
2/17/2022							<0.02
8/17/2022	<0.02	<0.02					
8/18/2022			<0.02	<0.02	<0.02	0.014 (J)	<0.02
2/16/2023	<0.02						
2/20/2023		<0.02	<0.02	<0.02	<0.02		
2/21/2023						<0.02	
2/22/2023							<0.02

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.02						
8/23/2007			0.0038				
8/24/2007		0.0036 (J)		0.052 (O)			
11/1/2007	0.0038						
11/2/2007		0.0026 (J)	0.0025	0.01 (J)			
11/17/2007		0.024 (O)	0.023 (O)				
11/18/2007				0.025 (J)			
11/19/2007	0.0055						
1/15/2008		0.0074	0.012	0.055 (O)			
1/31/2008	0.0063						
3/5/2008	0.0037	0.075 (O)					
3/6/2008			0.0069				
3/10/2008				0.018			
5/7/2008	0.0033	0.0088	0.007				
5/13/2008				0.0044			
12/2/2008		0.11 (O)	0.021 (O)	0.065 (O)			
12/12/2008	0.097 (O)						
4/16/2009		0.091 (O)					
4/28/2009			0.0055	0.0037 (J)			
4/29/2009	0.068 (O)						
10/19/2009			0.0051				
10/20/2009		0.056 (O)		0.0043			
10/21/2009	0.011						
4/20/2010		0.014					
4/27/2010			0.0068	<0.02			
4/28/2010	0.048 (O)						
9/29/2010		0.015					
10/4/2010			0.0074				
10/5/2010				0.0028			
10/6/2010	0.003						
4/12/2011		0.0028					
4/18/2011			0.0031				
4/19/2011				<0.02			
4/20/2011	0.0038						
10/4/2011		0.0025					
10/12/2011	0.0027		0.0067	<0.02			
4/4/2012		0.0105					
4/23/2012			<0.02				
4/25/2012	<0.02			<0.02			
10/2/2012	0.0059						
10/10/2012		0.0033	0.0046	<0.02			
4/2/2013	0.008						
4/15/2013		0.0031	0.006				
4/16/2013				0.005			
10/8/2013	0.0062						
10/22/2013		<0.02	0.0037	0.0028			
4/1/2014	0.0067						
4/21/2014		0.0032	0.0073	0.0028			
9/30/2014		0.0015 (J)	0.0027	0.0018 (J)			
10/1/2014	0.0024 (J)						
3/31/2015	0.0046						
4/3/2015		0.0015 (J)	0.0017 (J)	0.0021 (J)			

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.02			
10/7/2015		<0.02	0.0042				
10/14/2015	0.002 (J)						
3/16/2016					0.00424 (J)	0.00244 (J)	0.00697 (J)
4/4/2016	<0.02						
4/5/2016		<0.02	0.00573 (J)	0.00288 (J)			
5/16/2016					0.00345 (J)	<0.02 (D)	0.00452 (JD)
7/25/2016					<0.02 (*)	0.006 (J*D)	0.0065 (*JD)
8/4/2016			<0.02				
8/9/2016		0.0016 (J)					
9/19/2016					0.004 (J)	0.0061 (JD)	0.0034 (JD)
11/3/2016					0.0047 (J)		0.0039 (JD)
11/4/2016						0.0032 (JD)	
1/19/2017					0.0035 (J)		
1/20/2017							0.0023 (JD)
1/23/2017						0.0031 (JD)	
3/28/2017					<0.02 (*)		
3/29/2017						0.00615 (*JD)	0.00705 (*JD)
4/11/2017	<0.02	<0.02		<0.02			
4/12/2017			<0.02				
9/26/2017					0.0039 (J)		
9/27/2017						0.0048 (J)	0.0036 (J)
10/5/2017		0.0024 (J)					
10/6/2017	<0.02		0.0024 (J)	<0.02			
3/15/2018					<0.02	<0.02	<0.02
3/22/2018		<0.02					
3/23/2018	<0.02		<0.02	<0.02			
9/12/2018					<0.02		
9/13/2018						<0.02	<0.02
9/19/2018		<0.02	<0.02	<0.02			
9/20/2018	<0.02						
3/14/2019					0.0039 (J)	<0.02 (D)	0.0022 (JD)
3/22/2019	0.0048 (J)	<0.02		<0.02			
3/25/2019			0.0039 (J)				
9/11/2019					0.0068 (J)	0.0065 (JD)	0.0058 (JD)
9/17/2019		0.0057 (X)	0.0066 (J)	0.0048 (X)			
9/18/2019	0.0091 (X)						
3/10/2020					0.0049 (J)	0.0031 (J)	0.0035 (J)
3/13/2020		0.0028 (J)	0.0057 (J)	0.0026 (J)			
3/17/2020	0.0057 (J)						
9/11/2020						<0.02	<0.02
9/15/2020					0.0062 (J)		
9/21/2020		<0.02	0.0036 (J)	<0.02			
9/22/2020	<0.02						
3/11/2021					0.004 (J)	<0.02	<0.02
3/18/2021		<0.02	<0.02	<0.02			
3/19/2021	<0.02						
8/4/2021					<0.02		
8/6/2021						<0.02	<0.02
8/11/2021		<0.02	<0.02	<0.02			
8/12/2021	<0.02						
1/31/2022					<0.02		

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.02	<0.02
2/4/2022	<0.02	<0.02	<0.02				
2/7/2022				<0.02			
8/12/2022						<0.02	<0.02
8/15/2022					<0.02		
8/18/2022		<0.02					
8/19/2022	<0.02		<0.02	<0.02			
2/14/2023					<0.02	<0.02	<0.02
2/22/2023	<0.02	<0.02	<0.02	<0.02			

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.016
10/25/2007							0.061
11/19/2007							0.053
1/23/2008							0.14
3/11/2008							0.13
5/12/2008							0.11
12/11/2008							0.04 (J)
4/15/2009							0.11
10/9/2009							0.15
5/4/2010							0.077
10/12/2010							0.077
4/28/2011							0.032
10/19/2011							0.11
5/2/2012							0.138
10/9/2012							0.097
4/11/2013							0.047
10/16/2013							0.098
4/23/2014							0.066
10/3/2014							0.13 (V)
3/31/2015							0.05
10/12/2015							0.048
3/10/2016	0.00337 (J)	0.027	0.0154	0.00618 (J)			
3/17/2016					<0.02	<0.02	
3/28/2016							0.0534
5/17/2016	0.00268 (J)			0.00672 (J)			
5/18/2016		0.0277	0.0136		<0.02	0.00208 (J)	
7/26/2016	<0.02 (*)						
7/27/2016		0.0221	0.0153	<0.02 (*)	<0.02 (*)		
7/28/2016						<0.02 (*)	
8/1/2016							0.055
9/20/2016	0.0058 (J)	0.03	0.0173	0.0081 (J)			
9/21/2016					<0.02	0.0079 (J)	
11/4/2016	0.0029 (J)		0.0149	0.0071 (J)	<0.02		
11/7/2016		0.0202				<0.02 (*)	
1/20/2017	<0.02		0.0134				
1/23/2017		0.0156		<0.02			
1/24/2017					<0.02	0.0053 (J)	
3/28/2017	<0.02 (*)			<0.02 (*)			
3/29/2017		<0.036 (*)	<0.01 (*)		<0.02 (*)		
3/30/2017						<0.02 (*)	
4/3/2017							0.0436
9/27/2017		0.0196	0.0111				
9/29/2017	0.0016 (J)			0.0055 (J)	<0.02	0.004 (J)	
10/3/2017							0.0393
12/28/2017		0.0315 (Y)					
3/15/2018	<0.02	<0.036		<0.02	<0.02	<0.02	
3/16/2018			0.012				
3/19/2018							<0.034
9/13/2018	<0.02	0.031	<0.01	<0.02	<0.02		
9/14/2018						<0.02	
9/17/2018							0.03
3/15/2019		0.051		0.0058 (J)			

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/18/2019	<0.02				<0.02		
3/19/2019			0.016			0.0034 (J)	
3/20/2019							0.032
9/11/2019	0.0055 (J)		0.028	0.011 (D)	0.005 (J)	0.0085 (J)	
9/12/2019		0.035					
9/16/2019							0.035
3/9/2020		0.044	0.032	0.0079 (J)		0.0047 (J)	
3/10/2020	0.0029 (J)						
3/11/2020					0.0036 (J)		
3/16/2020							0.047
9/11/2020					<0.02		
9/14/2020	<0.02	0.032		0.0076 (J)		0.0042 (J)	
9/15/2020			0.028				
9/16/2020							0.033
3/11/2021	<0.02	0.047	0.028	0.0088 (J)			
3/15/2021					<0.02	<0.02	
3/17/2021							0.027
8/4/2021				<0.02			
8/5/2021	<0.02	0.037	0.024			<0.02	
8/9/2021							0.036
8/11/2021					<0.02		
1/31/2022	<0.02			<0.02			
2/1/2022		0.038	0.029		<0.02	<0.02	
2/2/2022							0.034
8/15/2022	<0.02	0.027 (J)	0.04	0.0094 (J)	<0.02	<0.02	
8/16/2022							0.03
2/14/2023	<0.02	0.05	0.031	0.011 (J)	<0.02	<0.02	
2/20/2023							0.032

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.04 (O)					
8/23/2007						0.011
10/25/2007	0.0062					
11/1/2007						0.012
11/19/2007						0.026 (J)
11/20/2007	0.03 (O)					
1/15/2008						0.075 (O)
1/23/2008	0.048 (O)					
3/6/2008						0.051 (O)
3/11/2008	0.016					
5/13/2008						0.0084
5/14/2008	0.02					
12/11/2008	0.021					
12/12/2008						0.077 (O)
4/16/2009						0.064 (O)
4/23/2009	0.0058 (J)					
10/9/2009	0.055 (O)					
10/13/2009						0.013
4/21/2010						0.0035
5/4/2010	0.045 (O)					
9/29/2010						0.0085
10/11/2010	0.015					
4/13/2011						0.0028
4/26/2011	0.0067					
10/5/2011						0.0038
10/18/2011	0.0055			0.0032		
4/4/2012						0.0126
4/30/2012				<0.02		
5/2/2012	<0.02					
10/3/2012				0.0034		
10/8/2012	0.0043					0.0043
4/8/2013				0.0039		0.0068
4/10/2013	0.0067					
10/8/2013	0.0091					
10/9/2013				0.0078		0.0082
4/9/2014						0.0043
4/10/2014				0.0064		
4/14/2014	0.0063					
9/30/2014						0.0029
10/2/2014				0.0009 (JV)		
10/3/2014	0.0065 (V)					
4/1/2015	0.0059					
4/2/2015						0.0056
4/3/2015				<0.02		
5/26/2015		0.0035			0.0017 (J)	
6/18/2015		0.0025 (D)			0.0052 (D)	
7/2/2015		0.0018 (J)			0.0027	
10/8/2015				0.013	<0.02	
10/9/2015	<0.02	0.0019 (J)				
10/10/2015						0.0065 (D)
3/22/2016					0.00459 (J)	
3/29/2016	<0.02	0.00345 (J)				

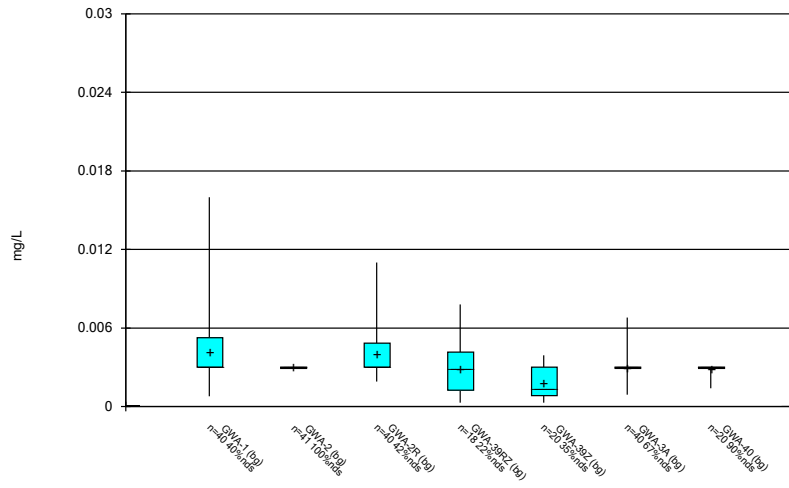
Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.00323 (J)		0.00487 (J)
8/1/2016	<0.02	<0.02				
8/2/2016			<0.02	<0.02	<0.02	
8/5/2016						<0.02
4/6/2017	<0.02	<0.02	<0.02	<0.02		<0.02
4/7/2017					<0.02	
10/3/2017	<0.02	0.0014 (J)	<0.02		0.0022 (J)	0.0023 (J)
10/4/2017				<0.02		
3/19/2018	<0.02					
3/20/2018		<0.02	<0.02		<0.02	<0.02
3/21/2018				<0.02		
9/17/2018	<0.02	<0.02				
9/18/2018			<0.02	<0.02	<0.02	<0.02 (D)
3/21/2019	<0.02	<0.02	<0.02			0.0024 (J)
3/27/2019				<0.02		
5/6/2019					0.0024 (J)	
9/13/2019			0.0053 (J)			
9/16/2019	0.0058 (J)	0.0057 (J)		0.00525 (JD)	0.0065 (J)	0.0062 (J)
3/12/2020	0.0042 (J)	0.0032 (J)	0.0031 (J)	0.002 (J)		0.0045 (J)
3/16/2020					0.0073 (J)	
9/16/2020	<0.02	<0.02	<0.02			
9/17/2020				<0.02	<0.02	<0.02
3/17/2021	<0.02	<0.02	<0.02	<0.02		
3/18/2021					<0.02	<0.02
8/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
8/17/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2/17/2023	<0.02	<0.02				
2/20/2023			<0.02		<0.02	
2/21/2023				<0.02		<0.02

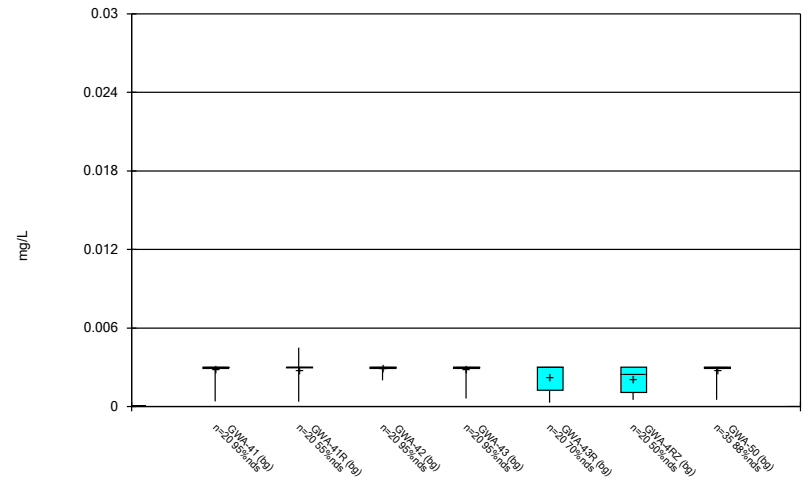
FIGURE B.

Box & Whiskers Plot



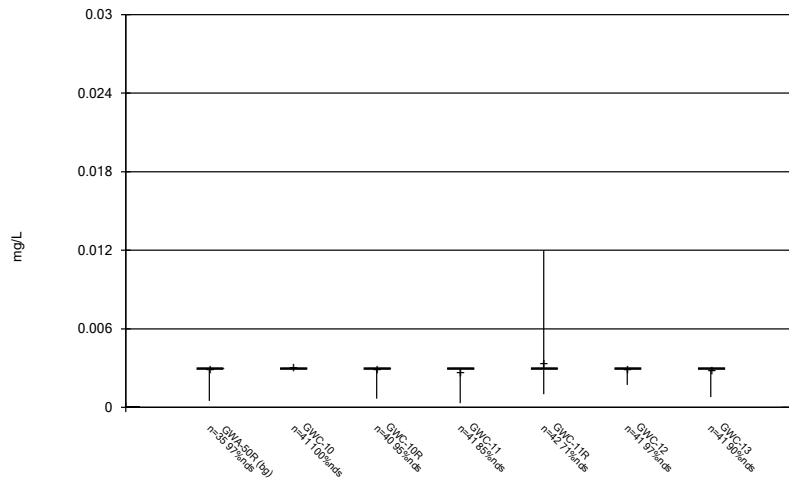
Constituent: Antimony Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



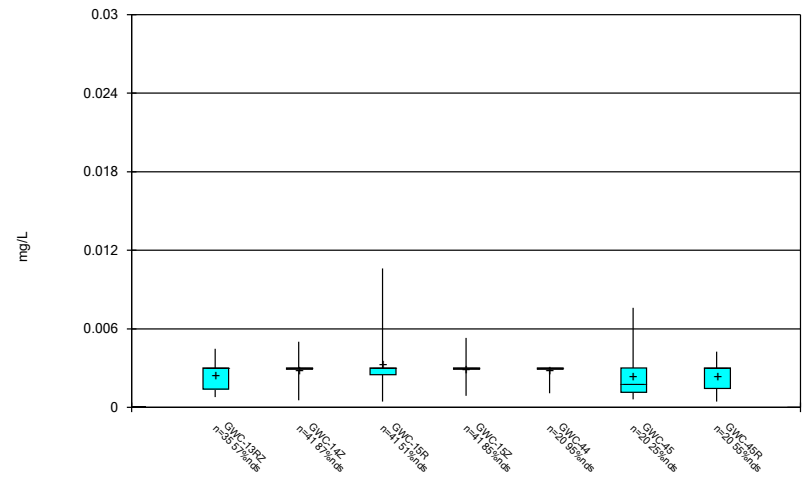
Constituent: Antimony Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



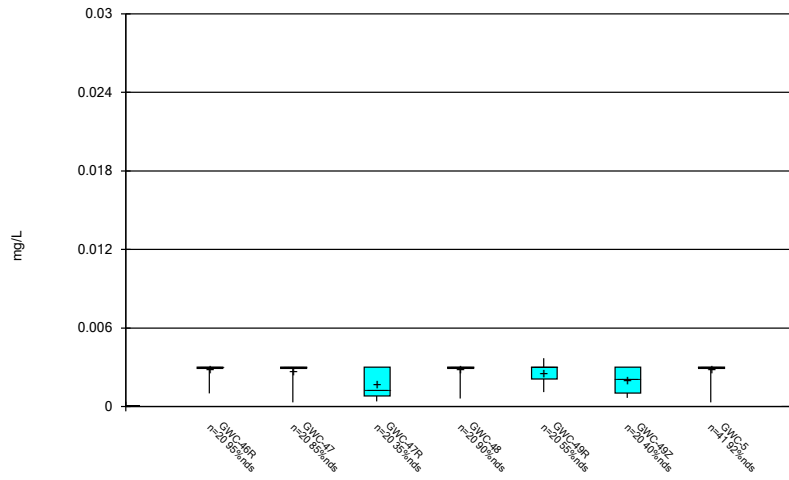
Constituent: Antimony Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



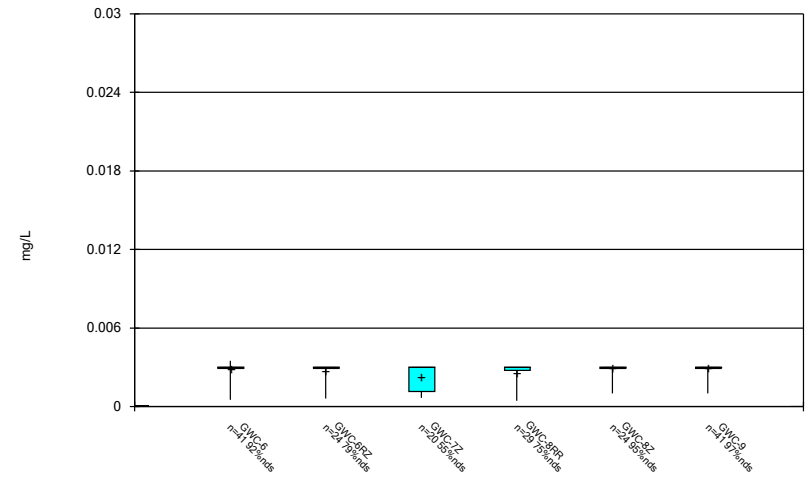
Constituent: Antimony Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



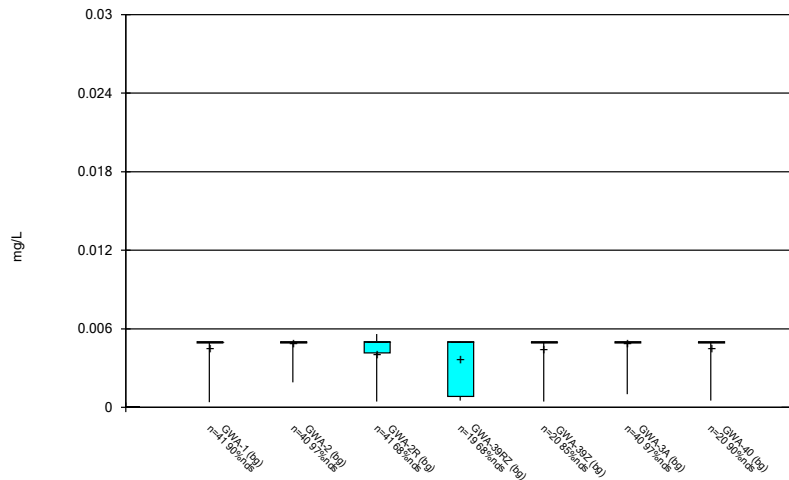
Constituent: Antimony Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



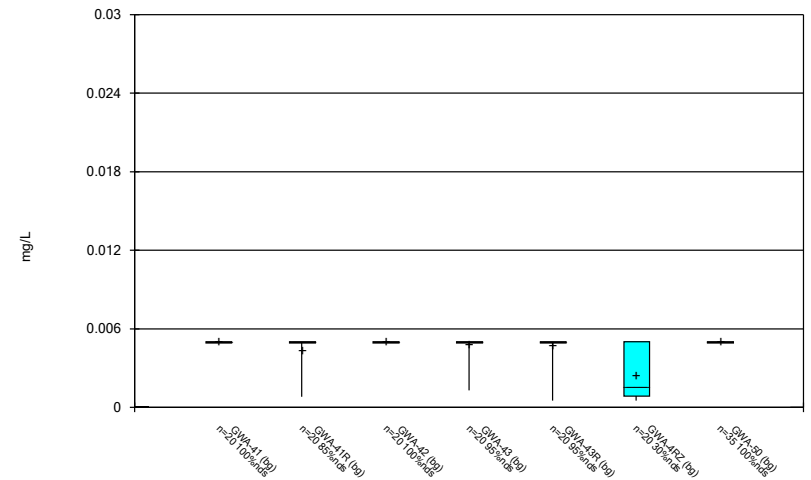
Constituent: Antimony Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



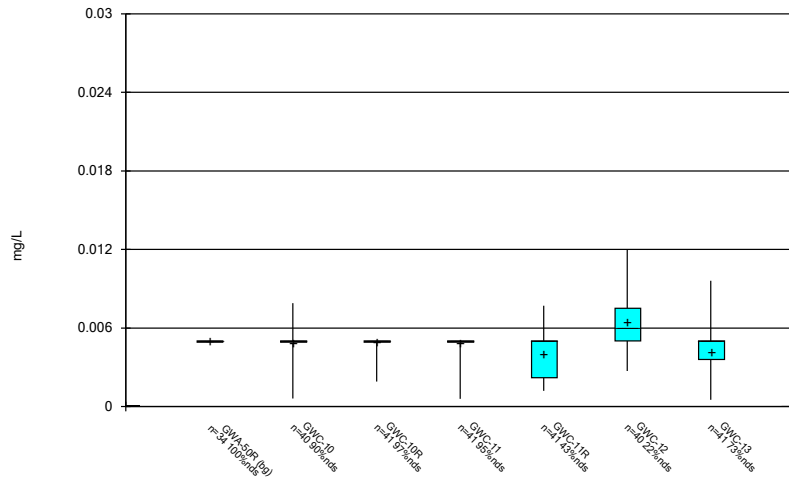
Constituent: Arsenic Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



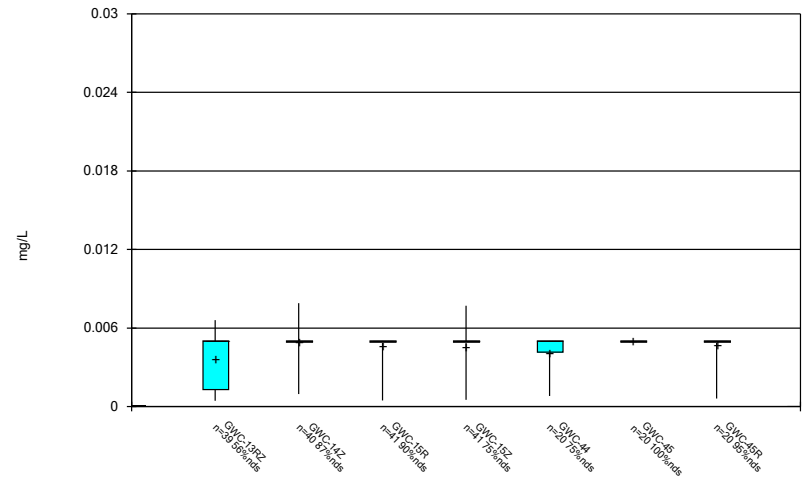
Constituent: Arsenic Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



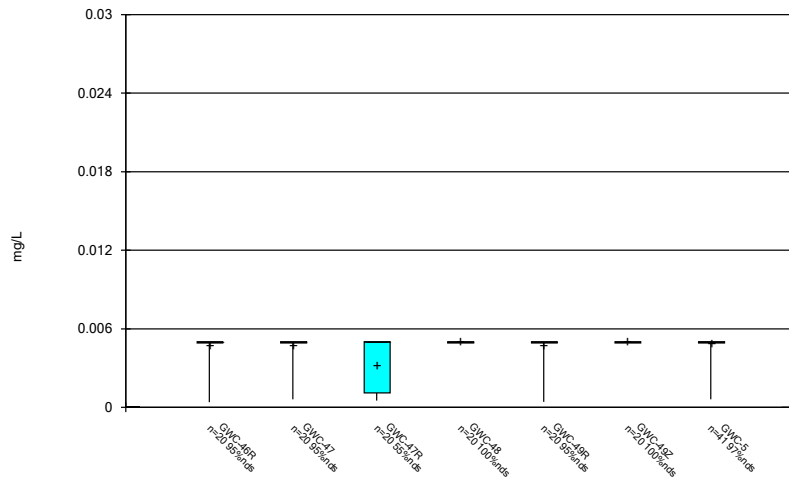
Constituent: Arsenic Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



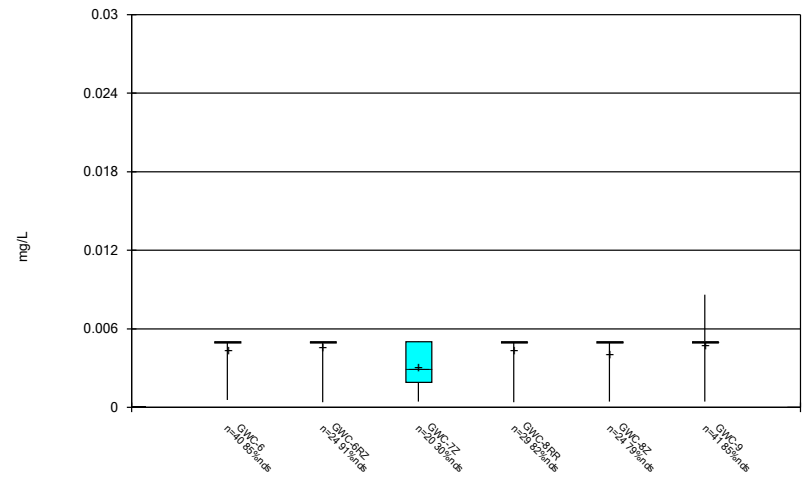
Constituent: Arsenic Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



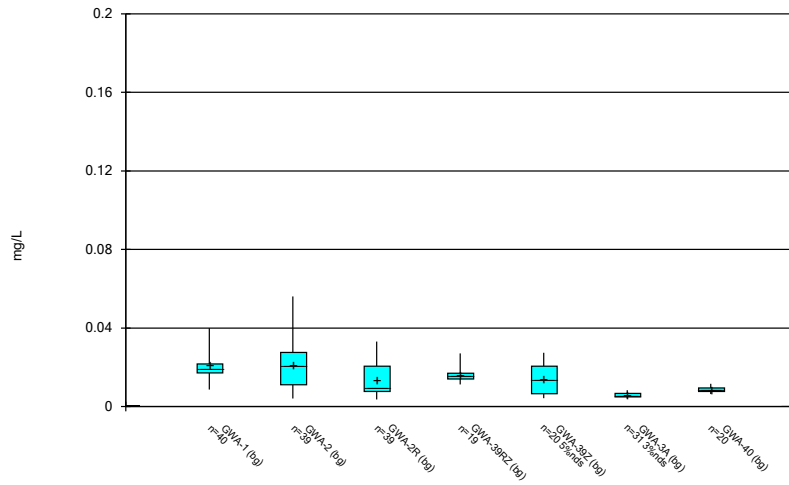
Constituent: Arsenic Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



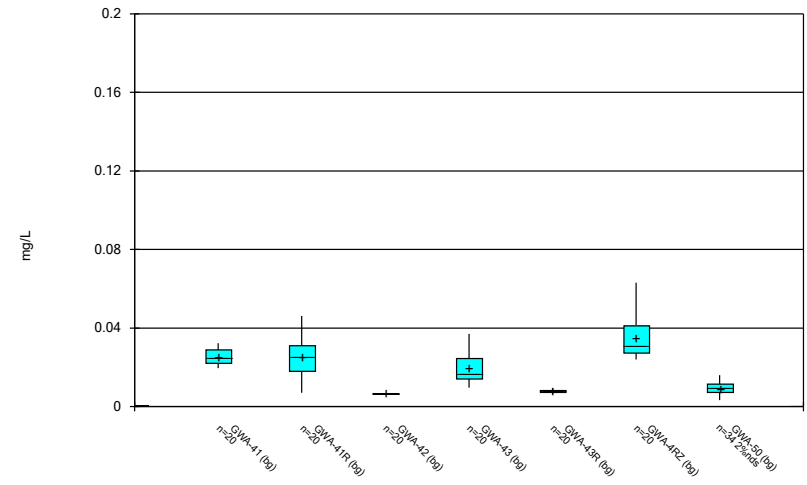
Constituent: Arsenic Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



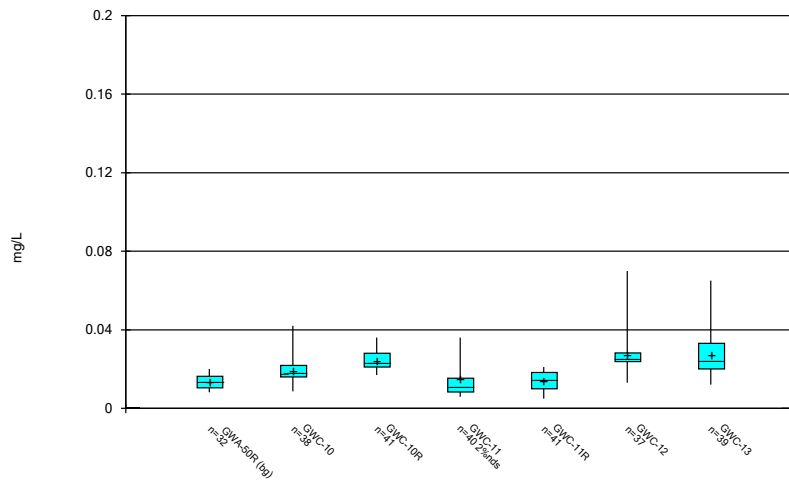
Constituent: Barium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



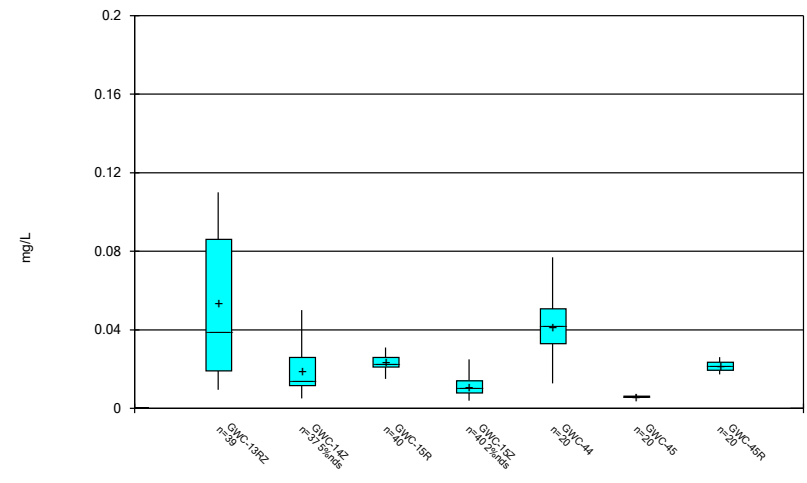
Constituent: Barium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



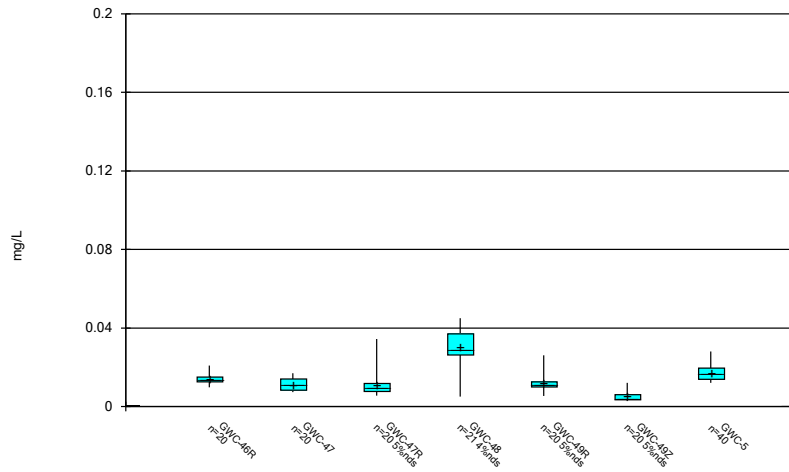
Constituent: Barium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



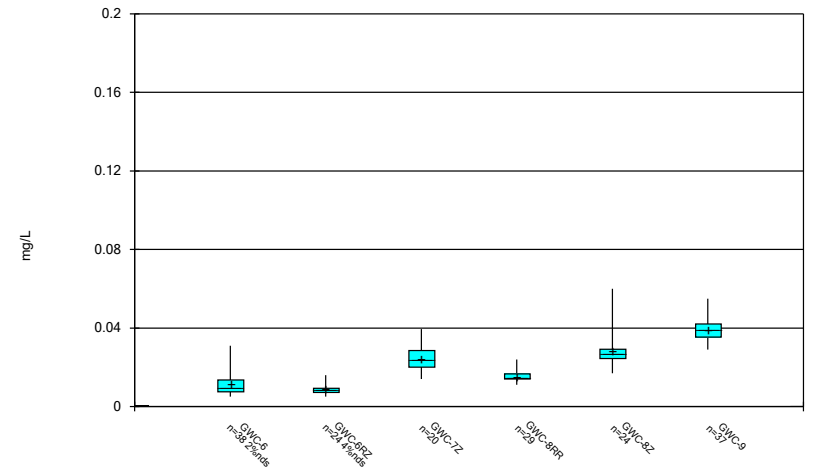
Constituent: Barium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



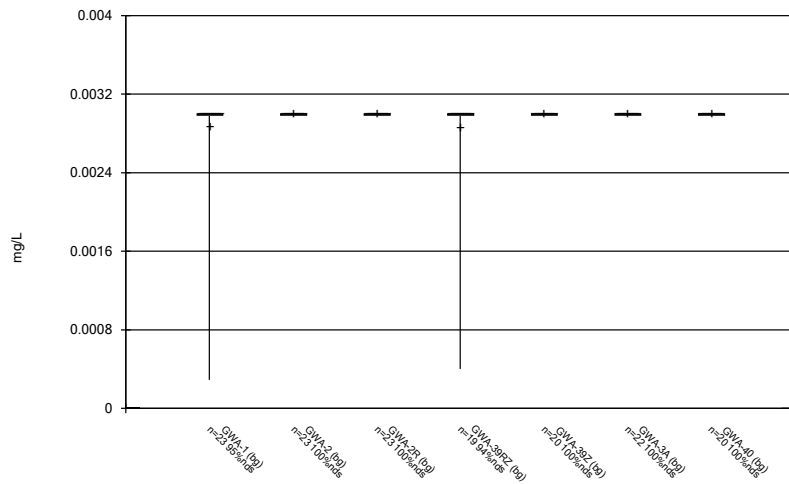
Constituent: Barium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



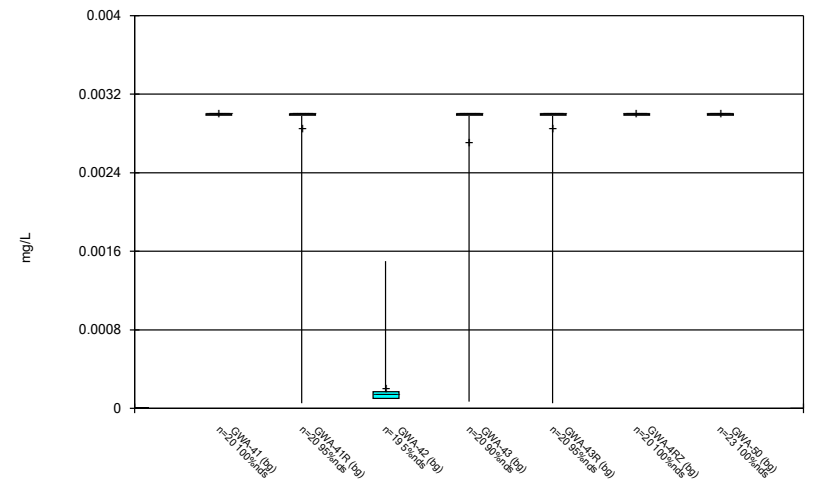
Constituent: Barium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



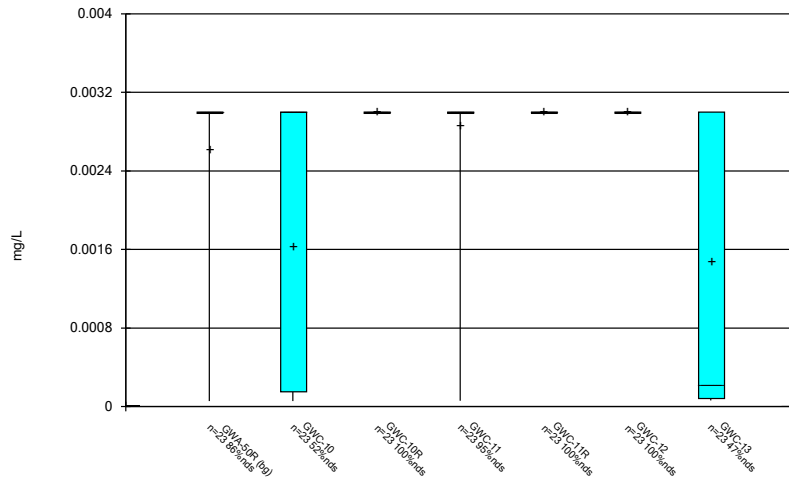
Constituent: Beryllium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



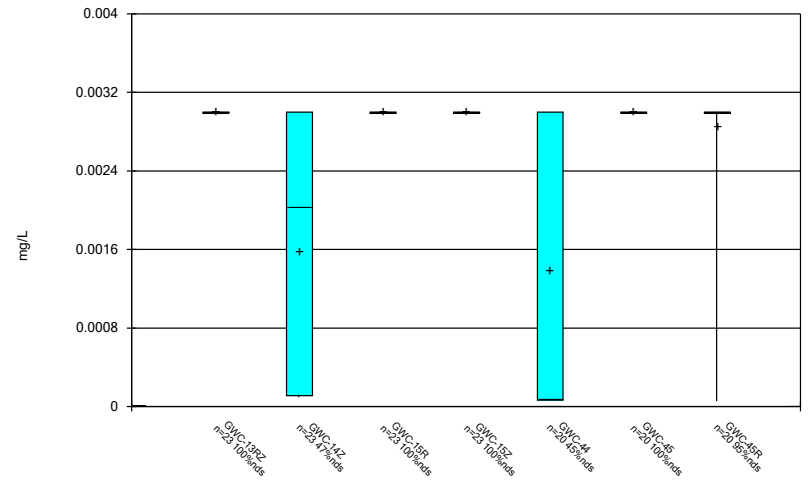
Constituent: Beryllium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



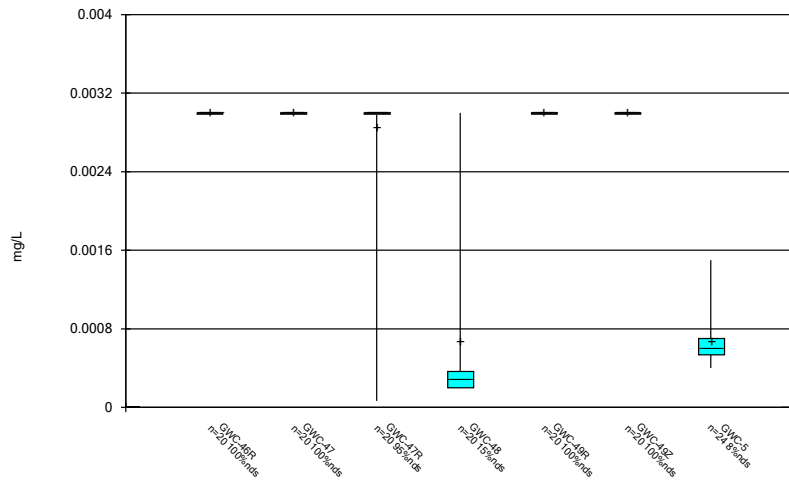
Constituent: Beryllium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



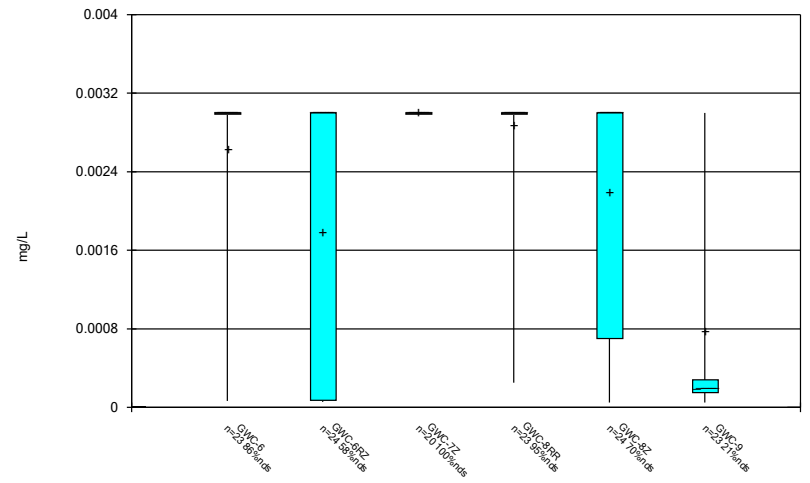
Constituent: Beryllium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



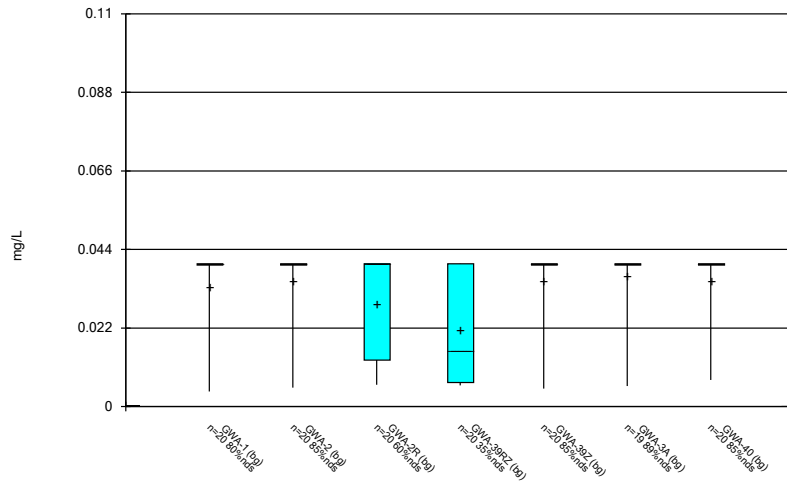
Constituent: Beryllium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



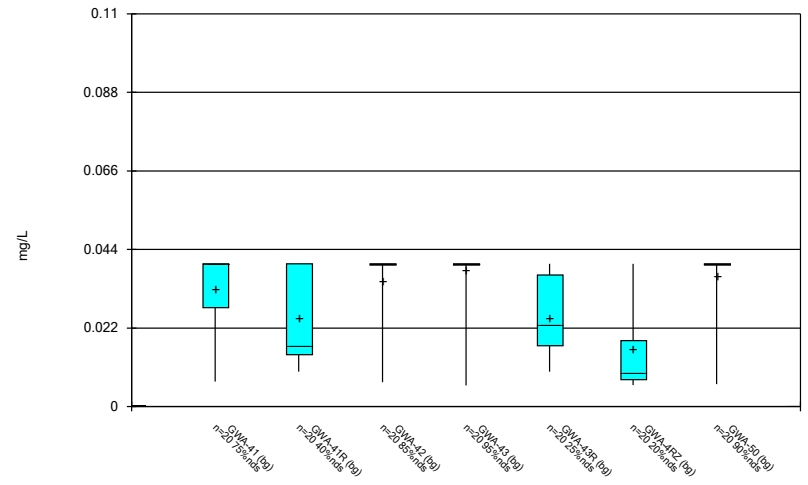
Constituent: Beryllium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



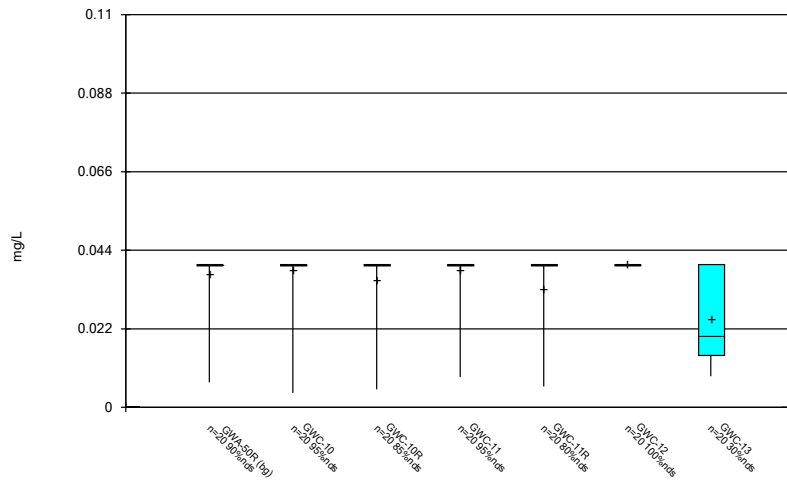
Constituent: Boron, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



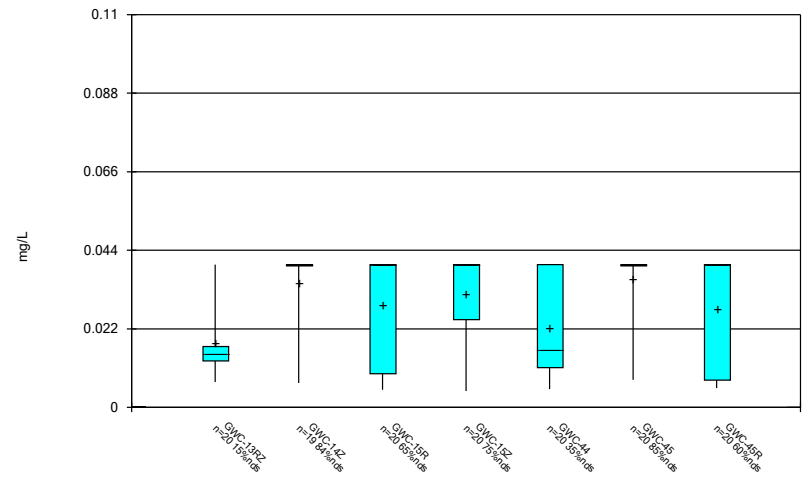
Constituent: Boron, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



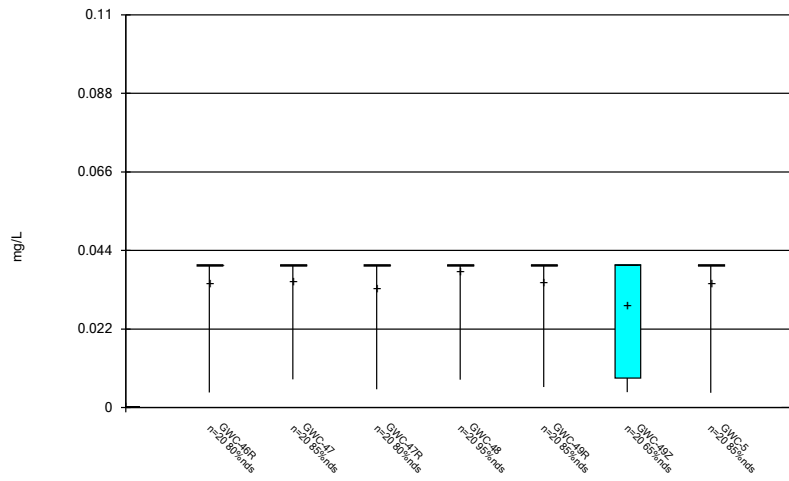
Constituent: Boron, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



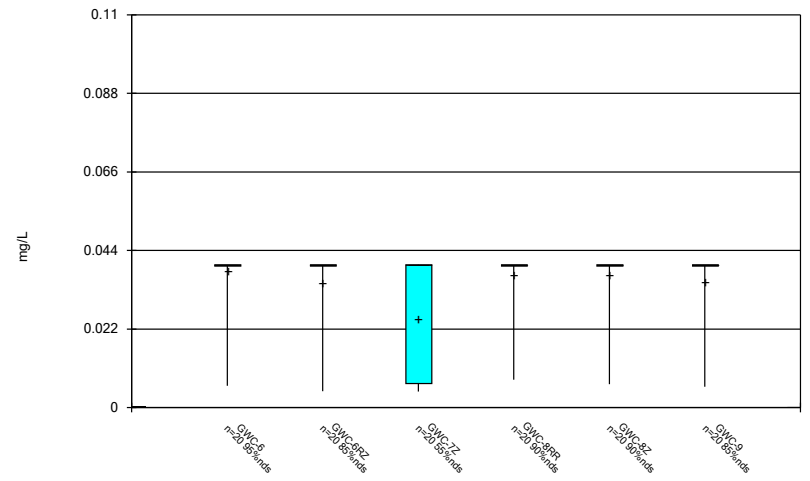
Constituent: Boron, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



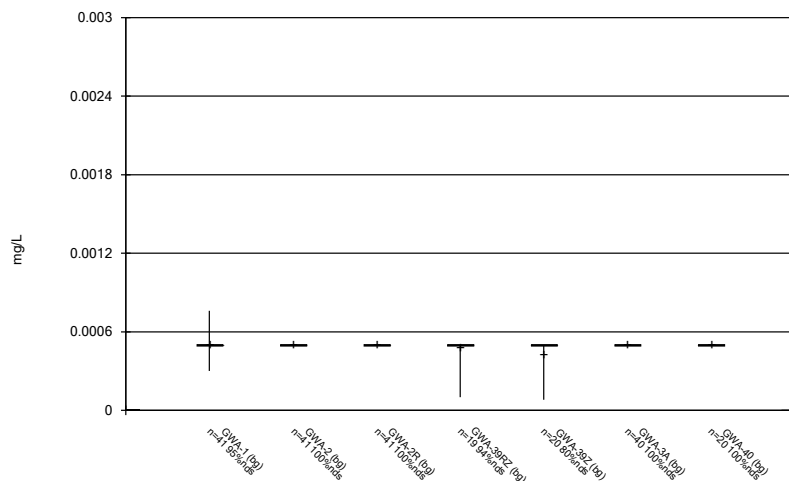
Constituent: Boron, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



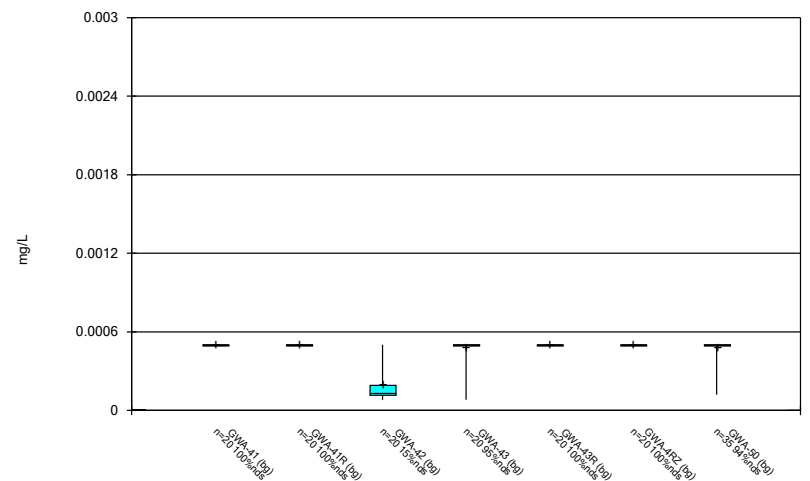
Constituent: Boron, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



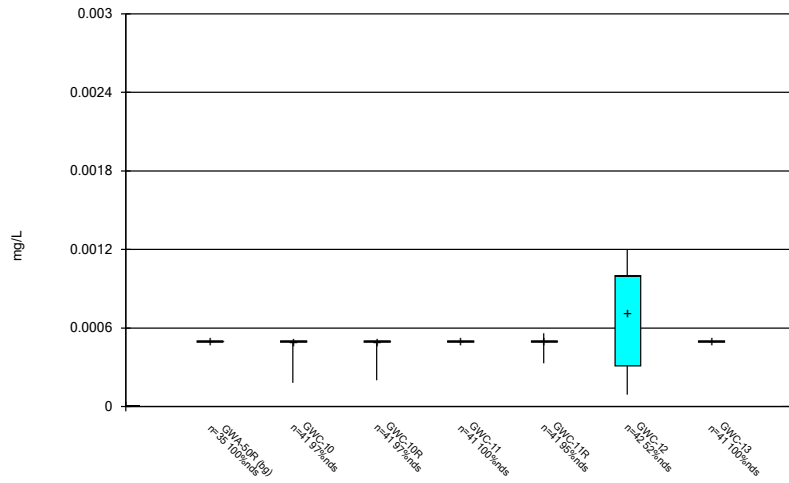
Constituent: Cadmium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



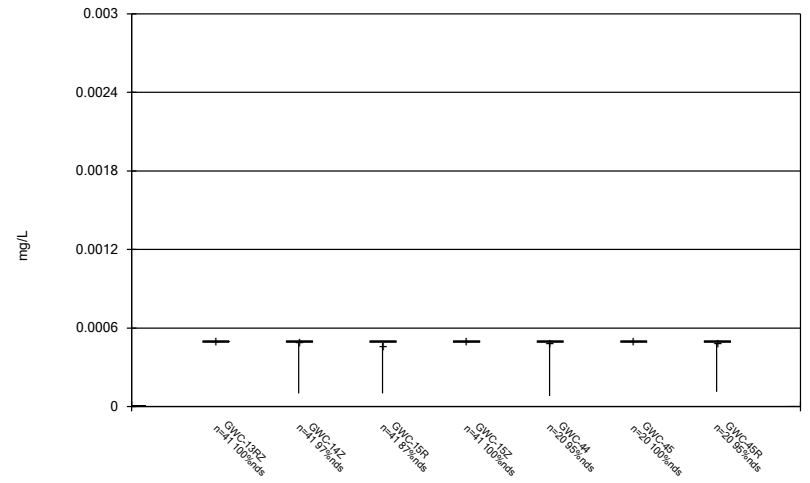
Constituent: Cadmium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



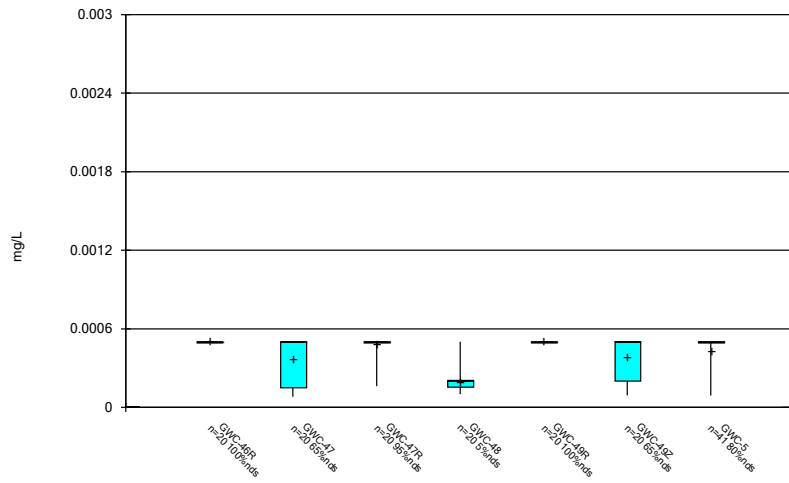
Constituent: Cadmium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



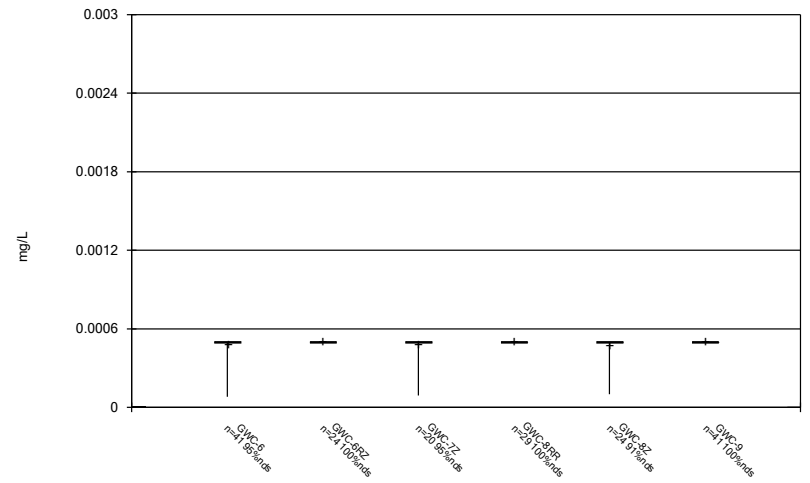
Constituent: Cadmium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



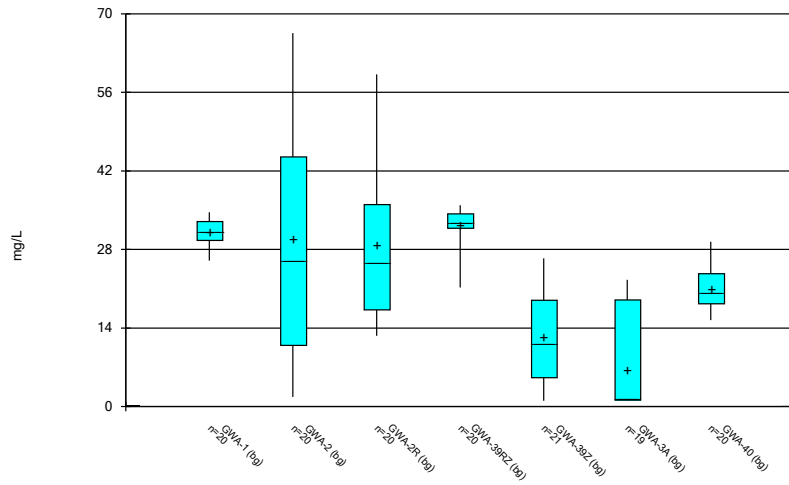
Constituent: Cadmium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



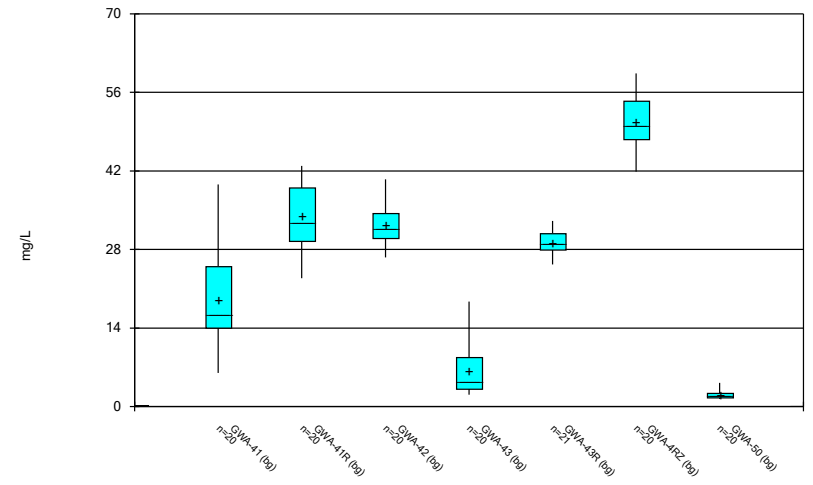
Constituent: Cadmium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



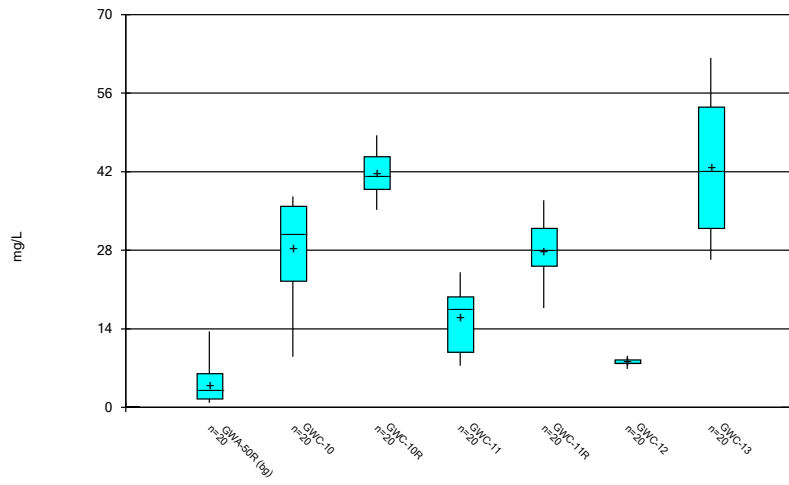
Constituent: Calcium, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



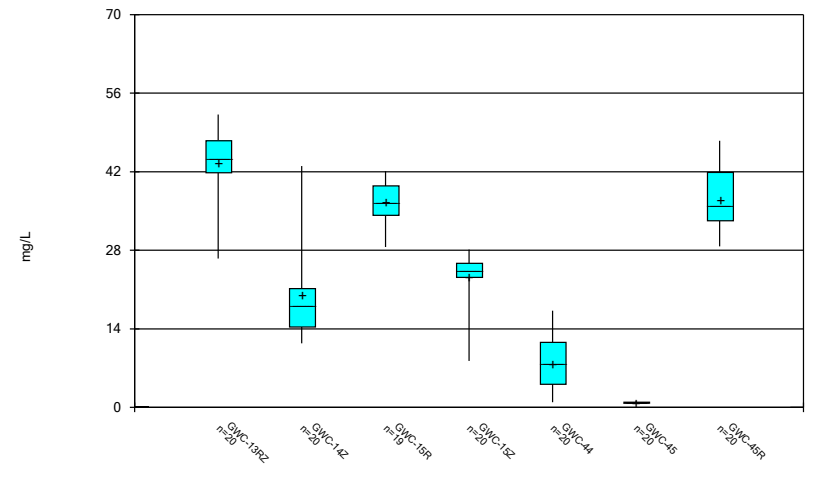
Constituent: Calcium, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



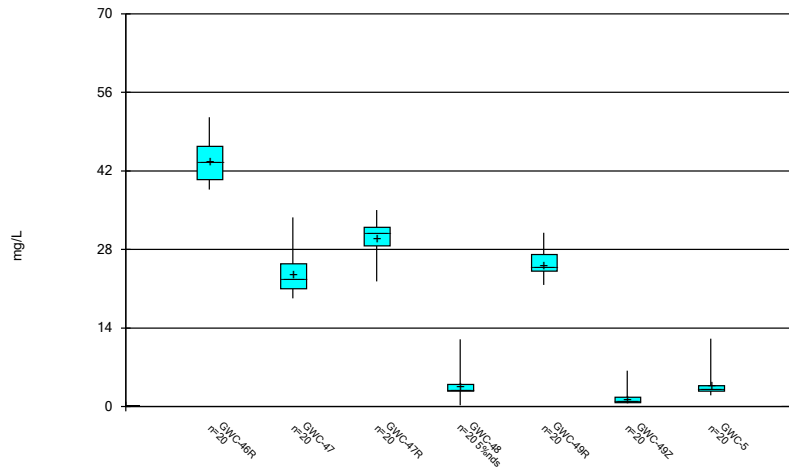
Constituent: Calcium, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



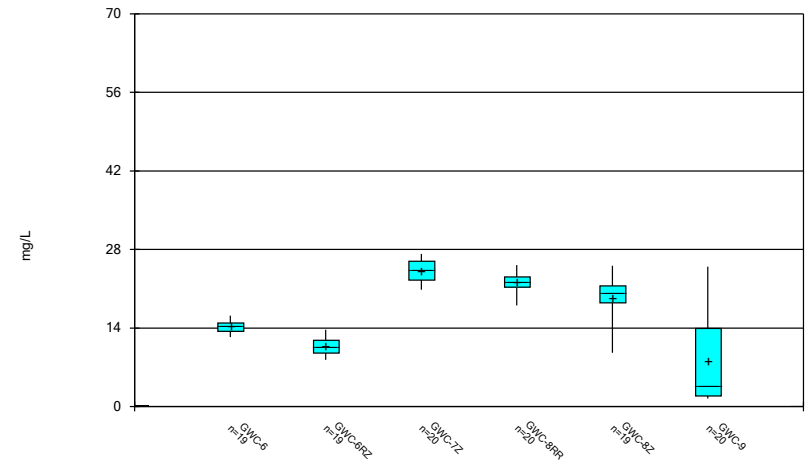
Constituent: Calcium, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



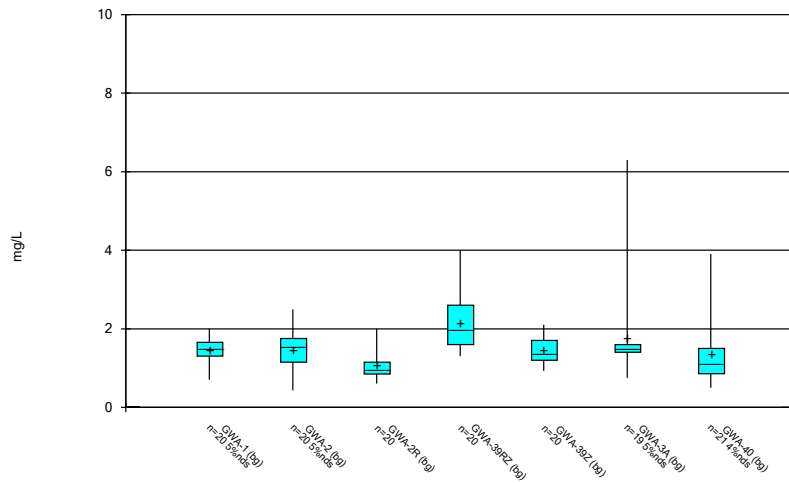
Constituent: Calcium, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



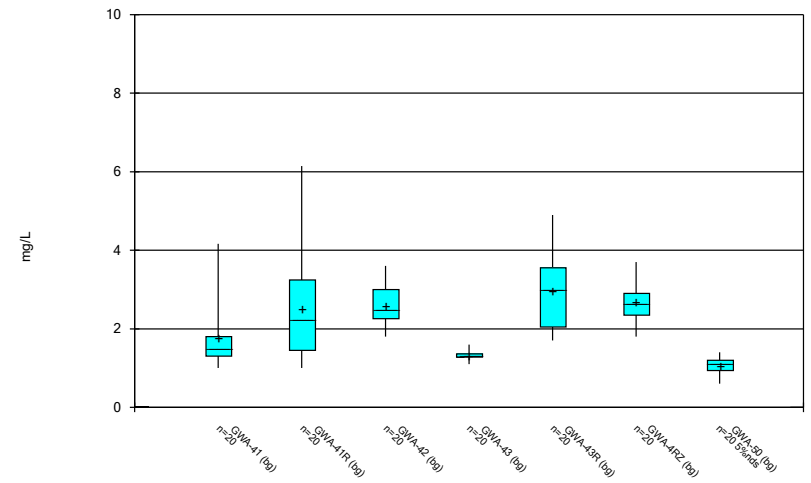
Constituent: Calcium, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



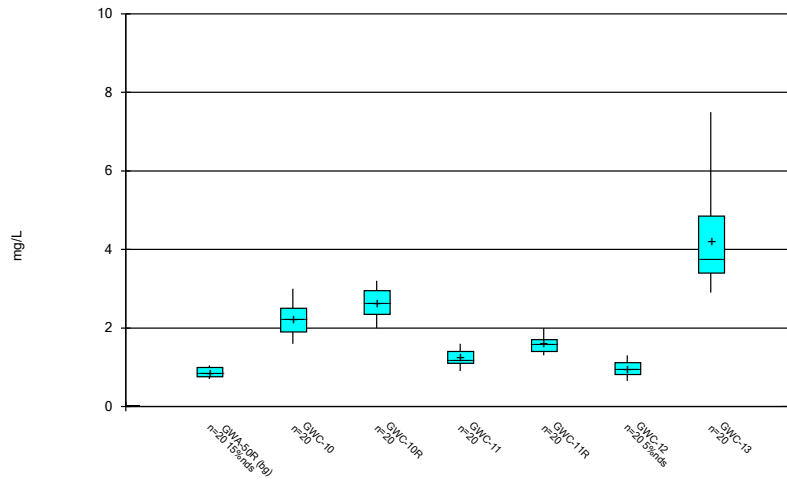
Constituent: Chloride, Total Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



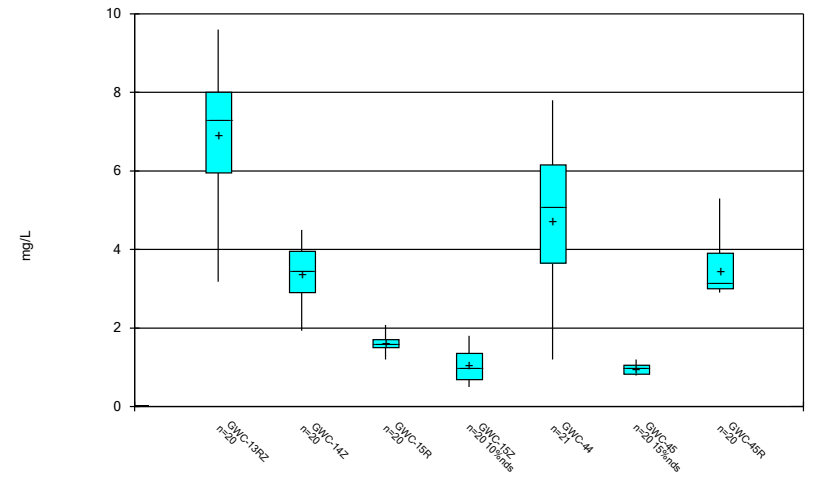
Constituent: Chloride, Total Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



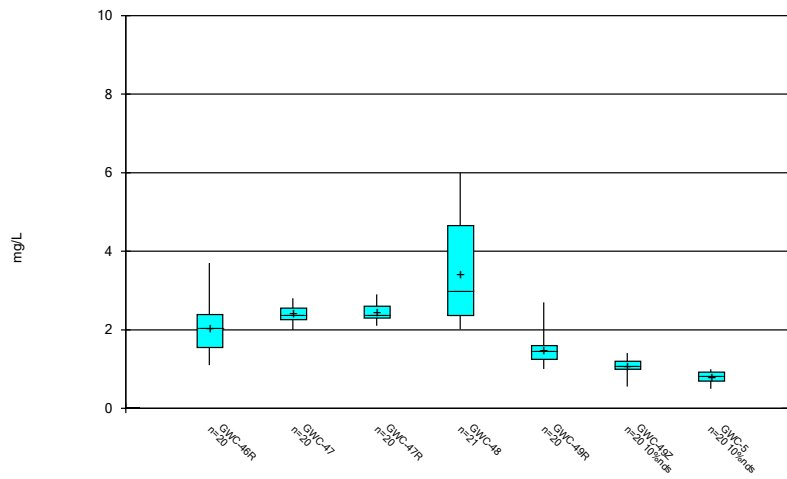
Constituent: Chloride, Total Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



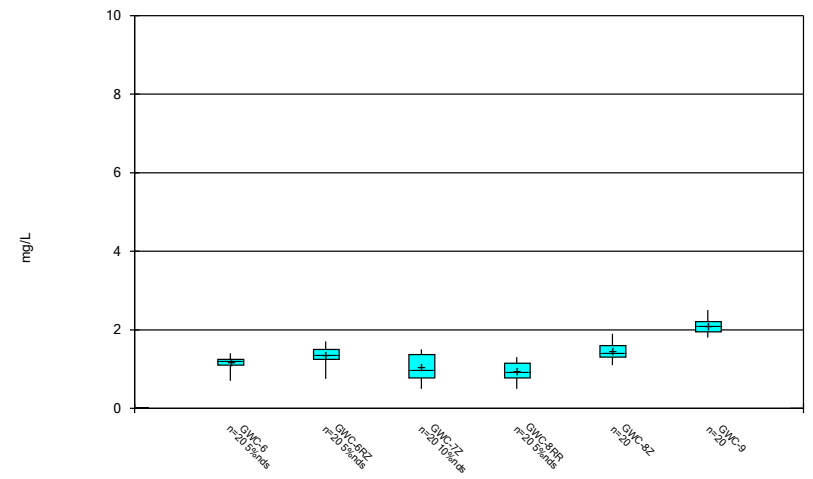
Constituent: Chloride, Total Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



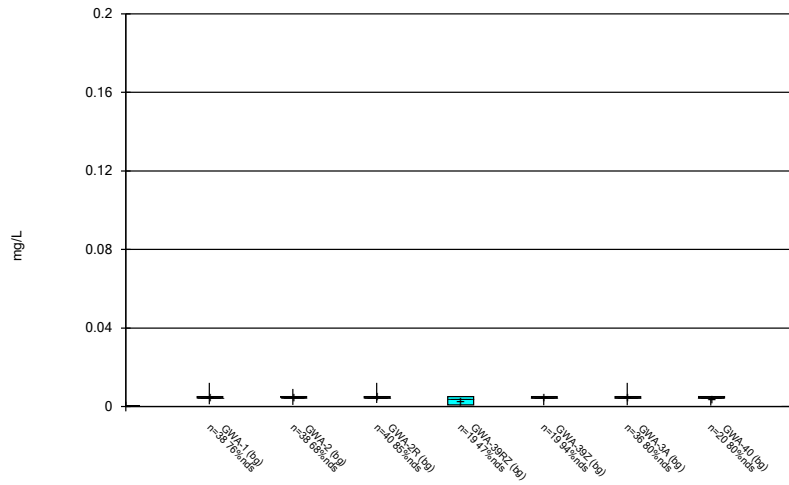
Constituent: Chloride, Total Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



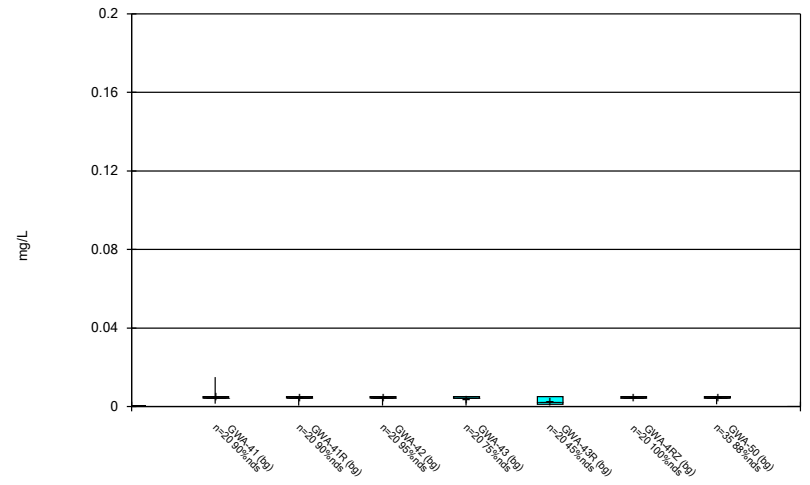
Constituent: Chloride, Total Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



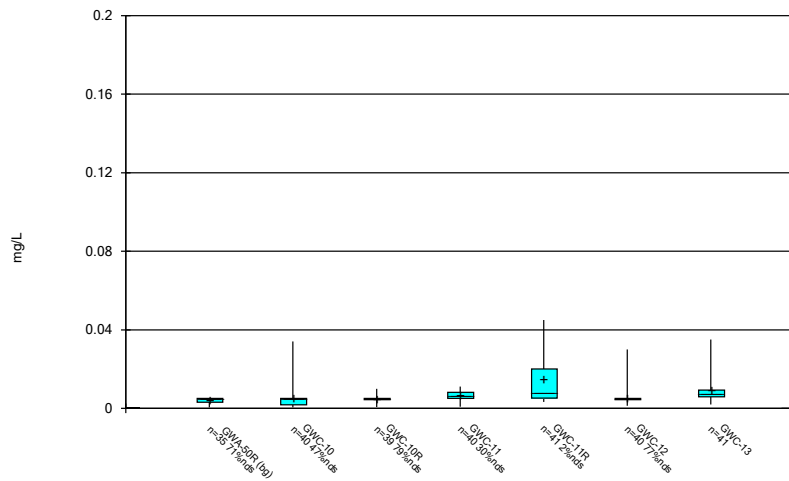
Constituent: Chromium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



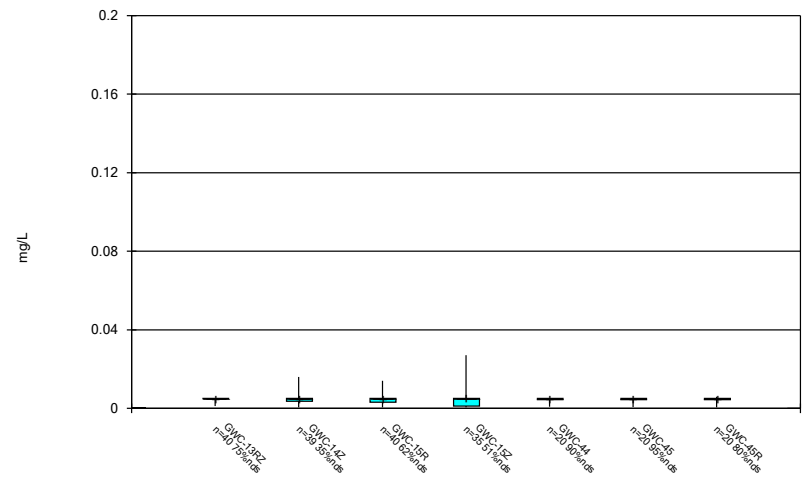
Constituent: Chromium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



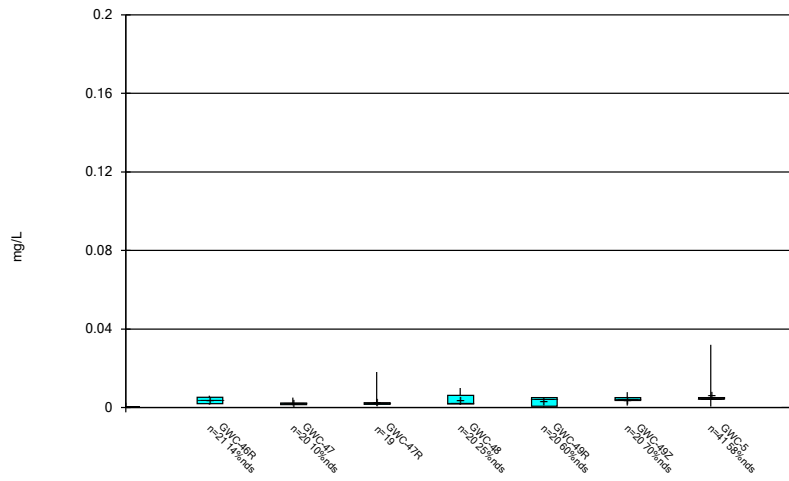
Constituent: Chromium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



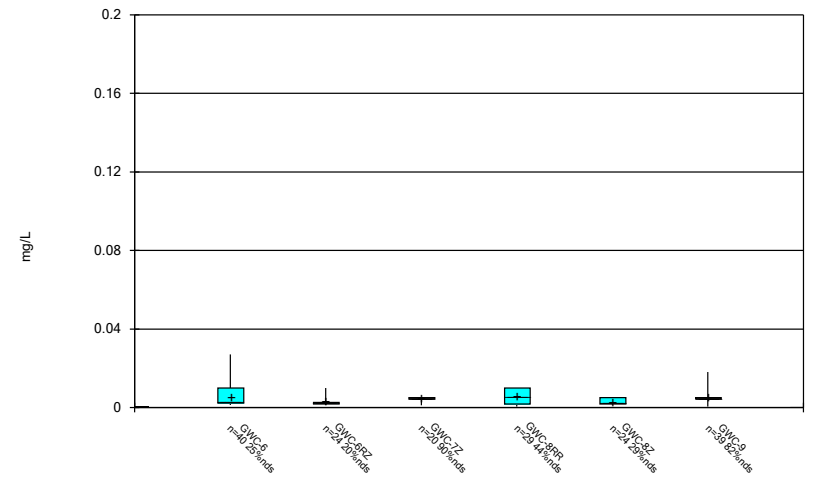
Constituent: Chromium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



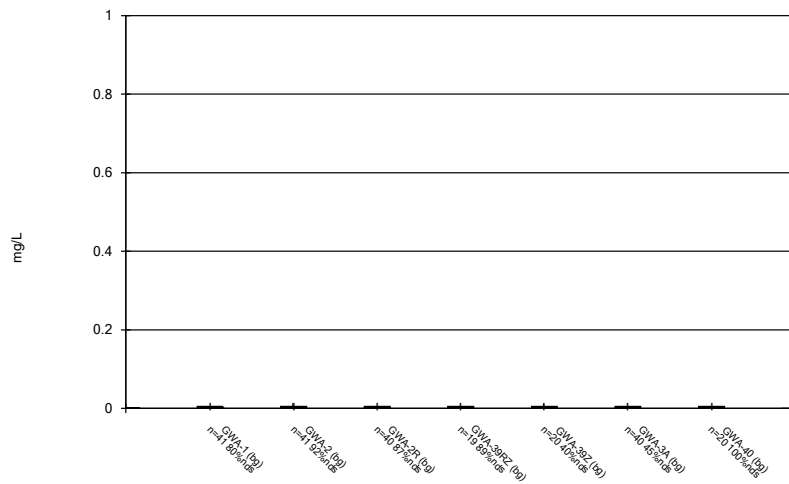
Constituent: Chromium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



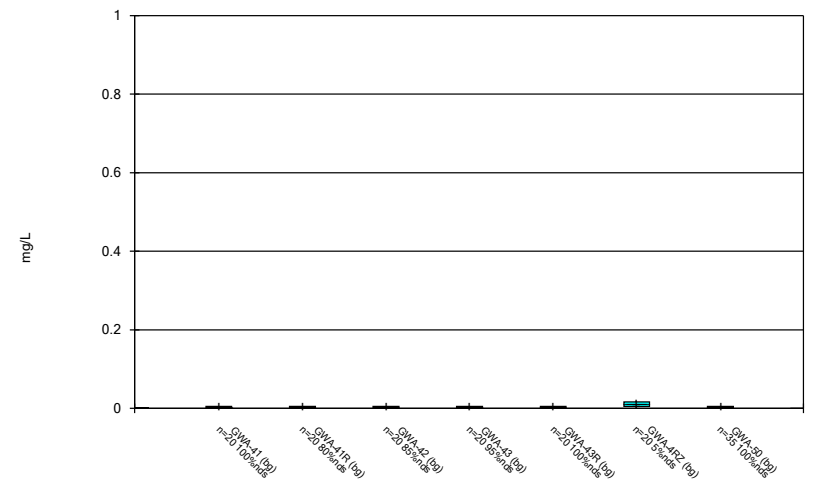
Constituent: Chromium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



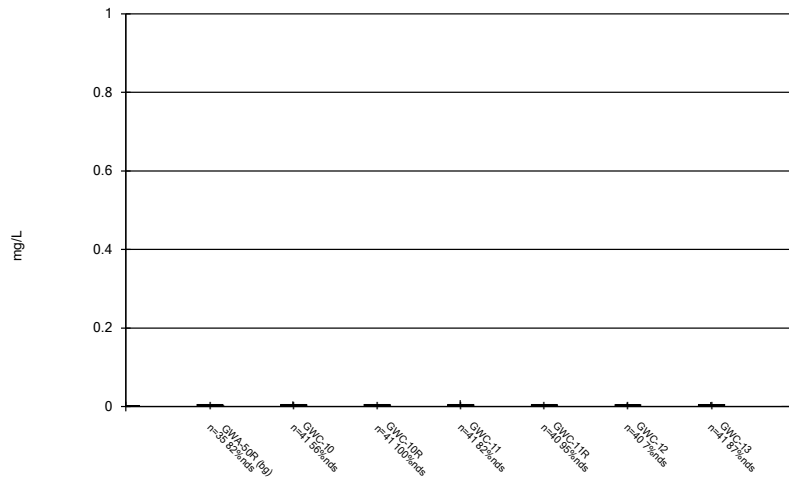
Constituent: Cobalt Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



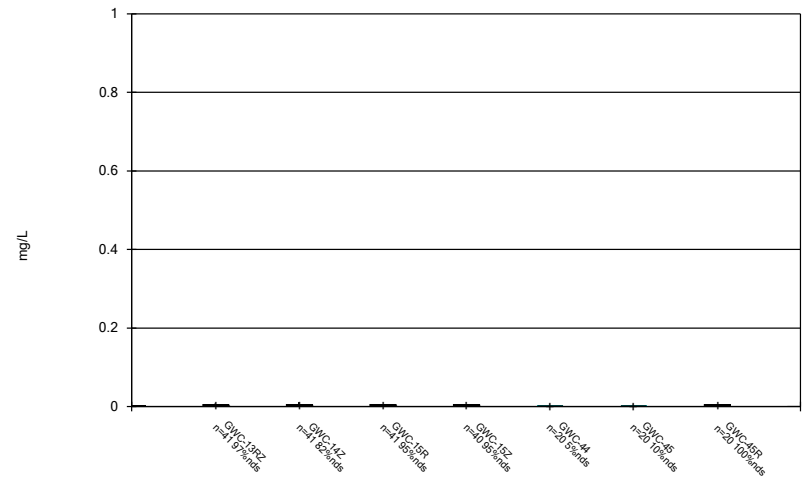
Constituent: Cobalt Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



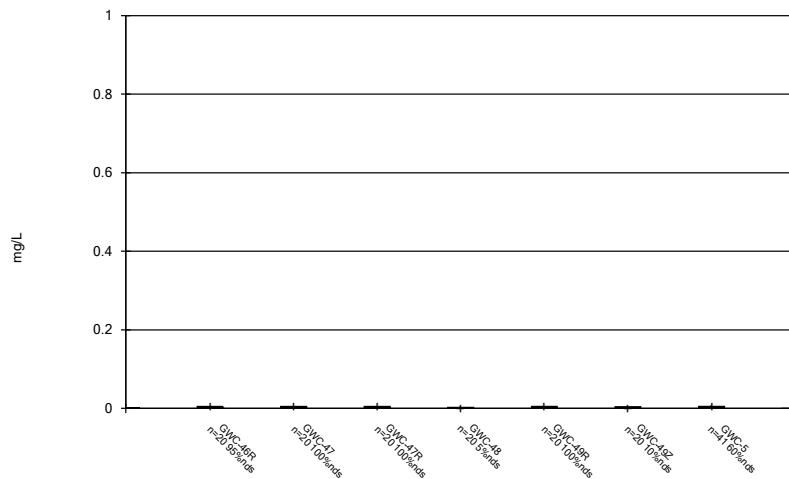
Constituent: Cobalt Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



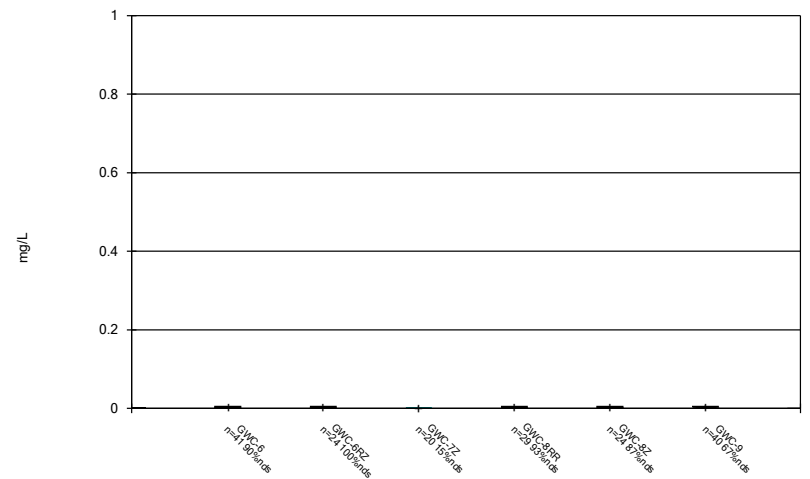
Constituent: Cobalt Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



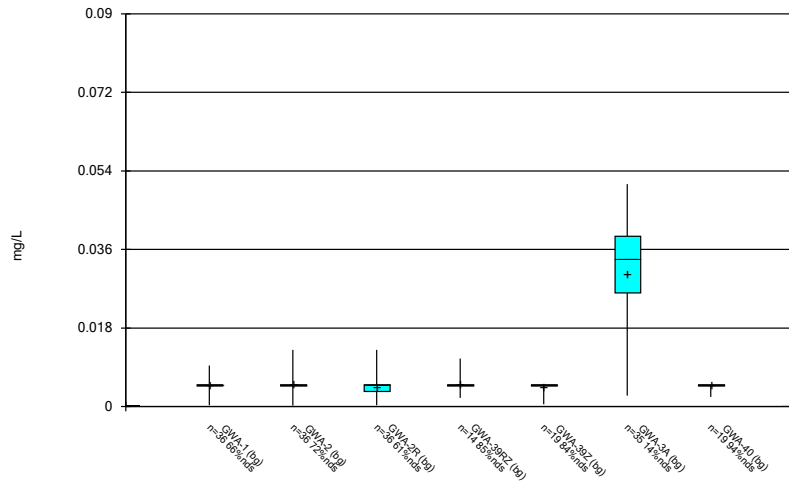
Constituent: Cobalt Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



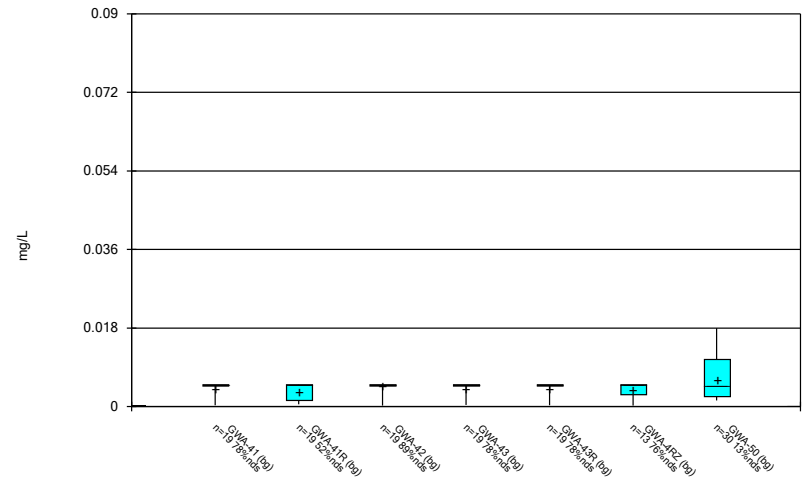
Constituent: Cobalt Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



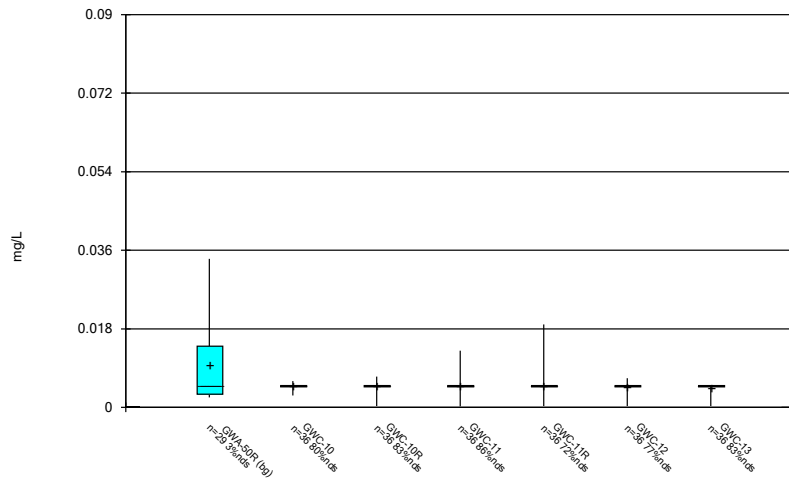
Constituent: Copper Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



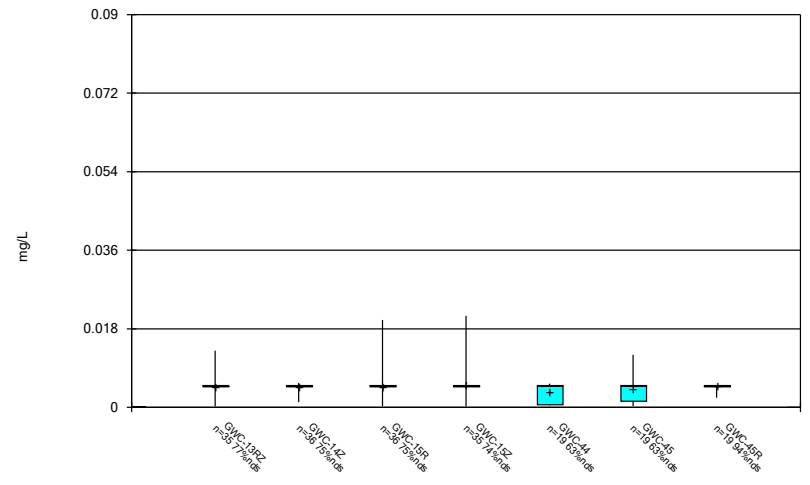
Constituent: Copper Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



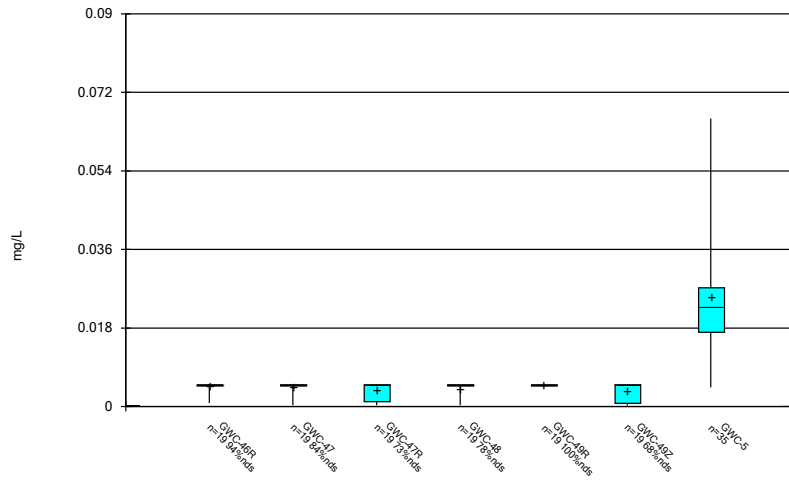
Constituent: Copper Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



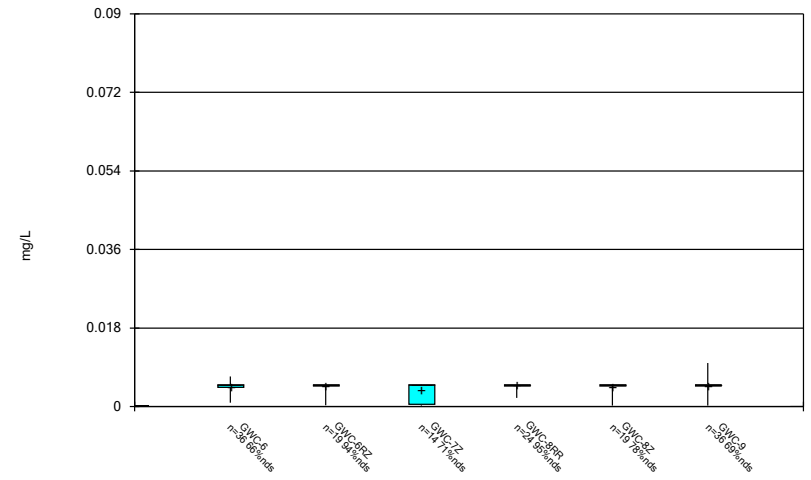
Constituent: Copper Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



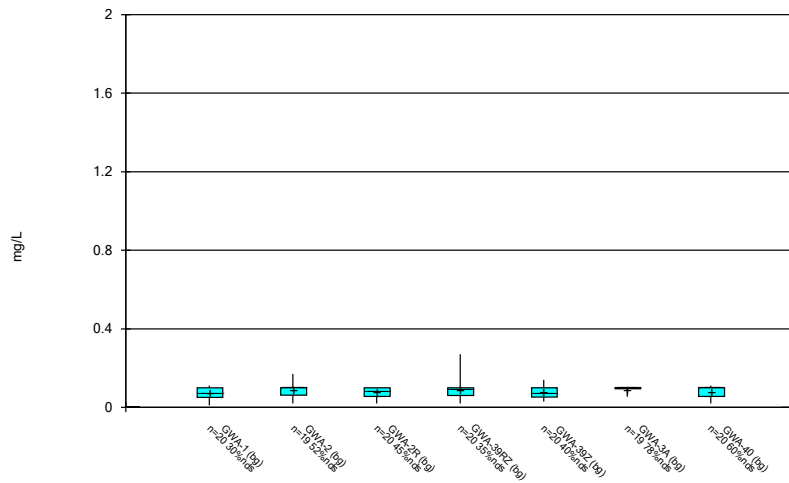
Constituent: Copper Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



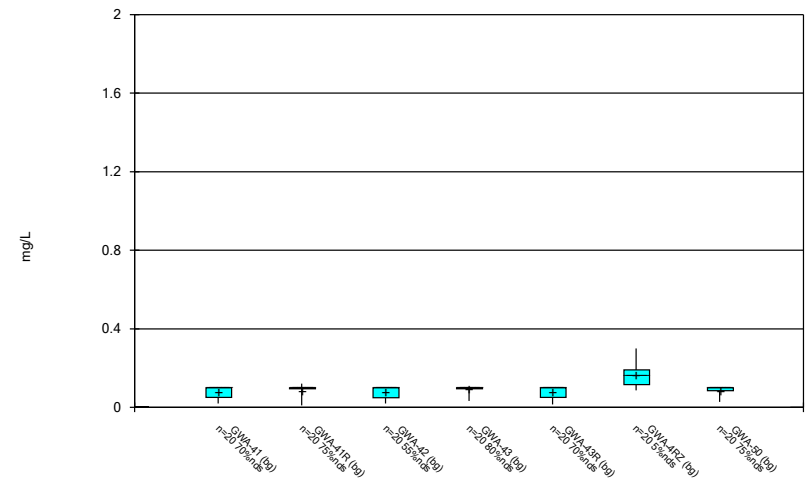
Constituent: Copper Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



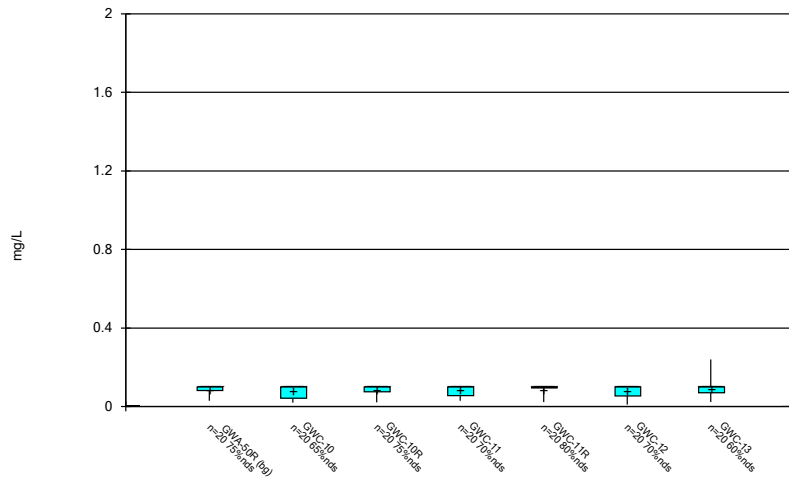
Constituent: Fluoride, total Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



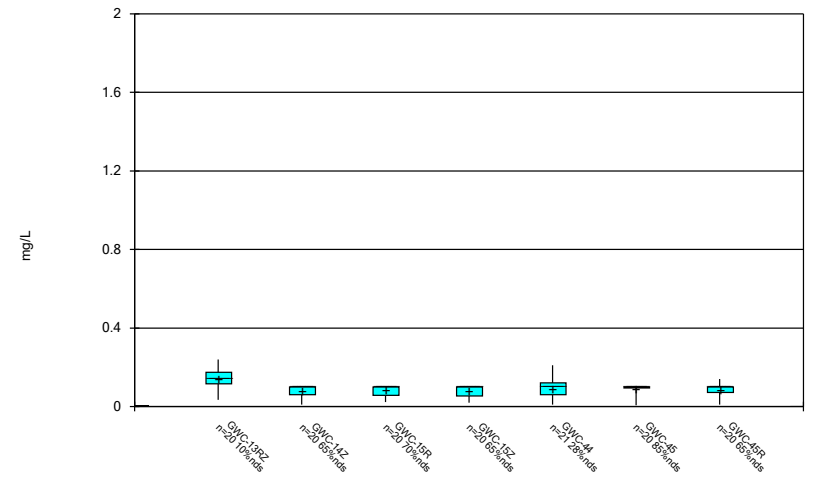
Constituent: Fluoride, total Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



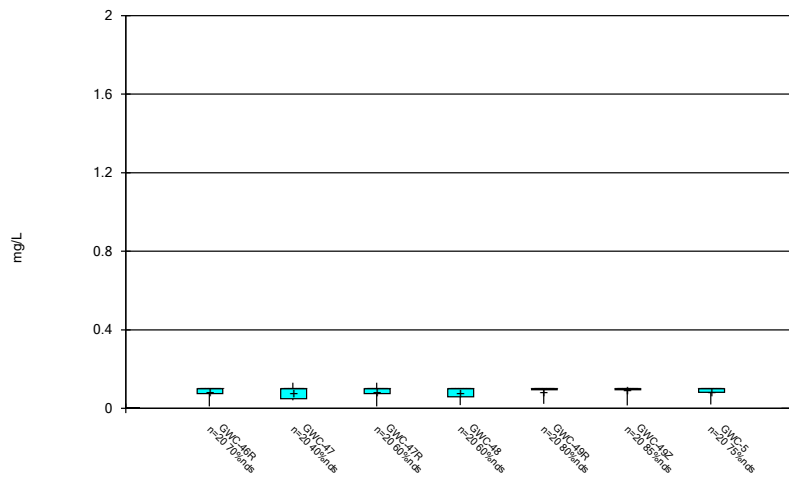
Constituent: Fluoride, total Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



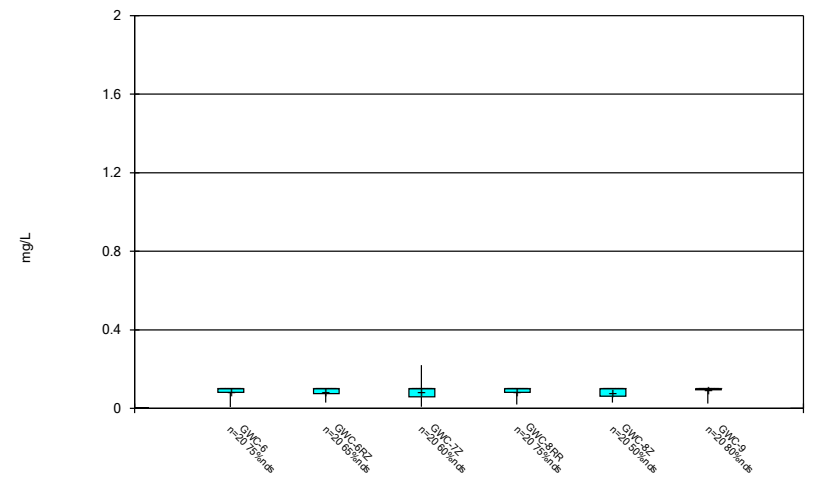
Constituent: Fluoride, total Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



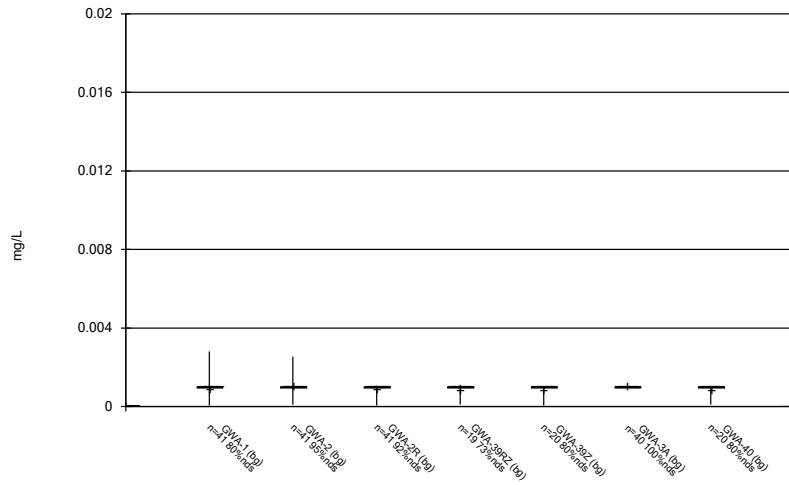
Constituent: Fluoride, total Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



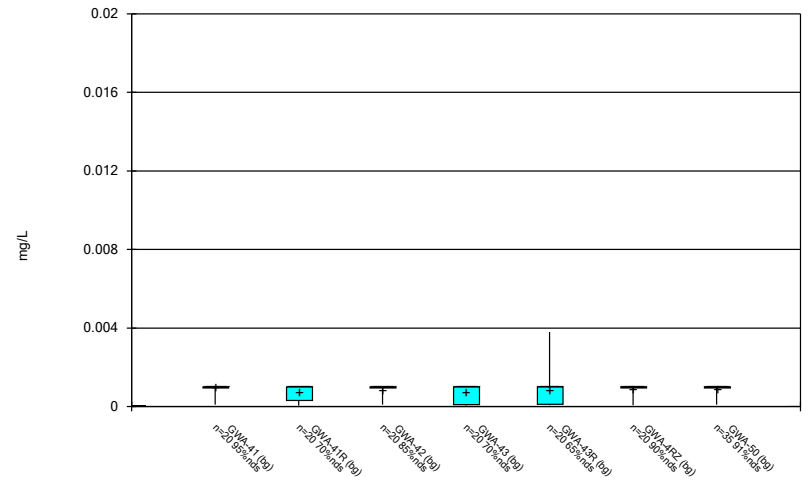
Constituent: Fluoride, total Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



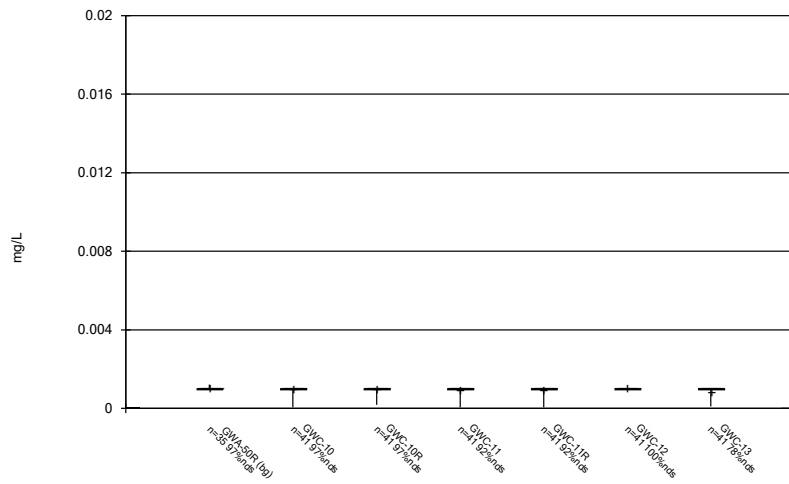
Constituent: Lead Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



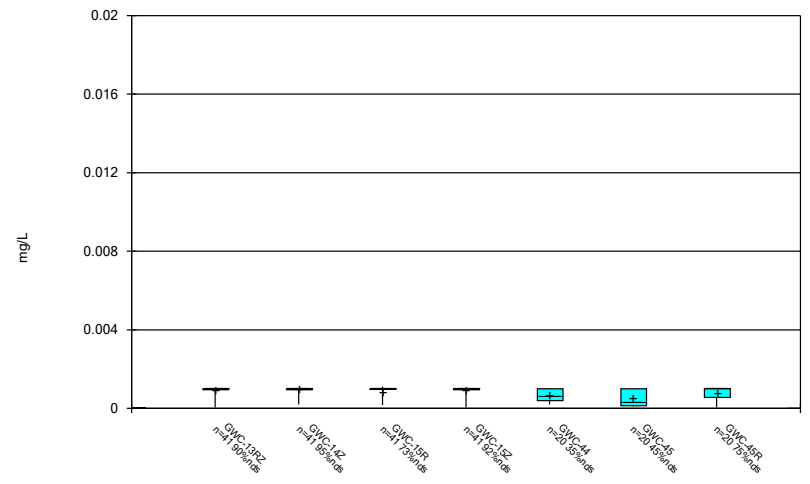
Constituent: Lead Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



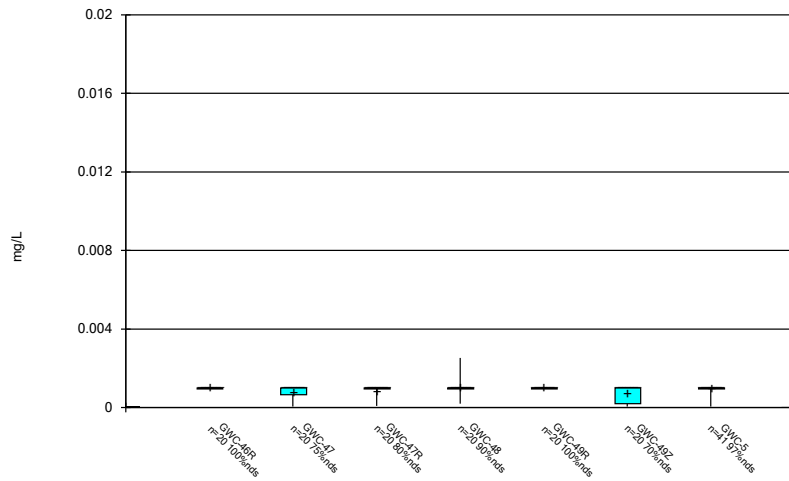
Constituent: Lead Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



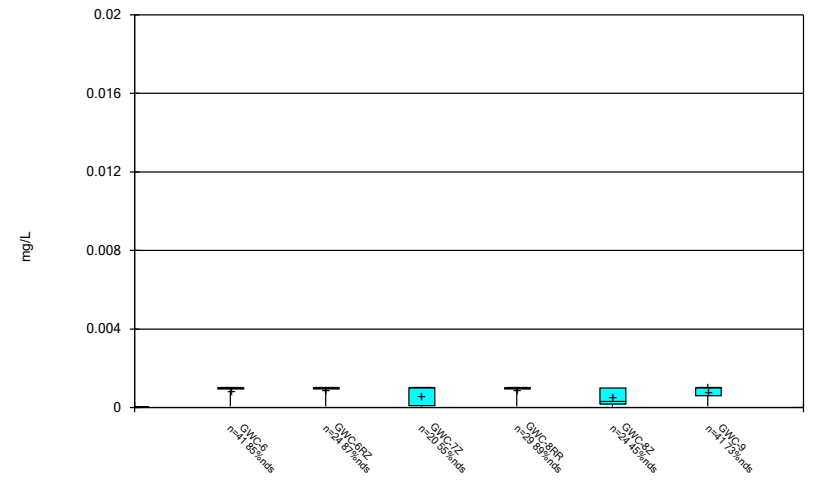
Constituent: Lead Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



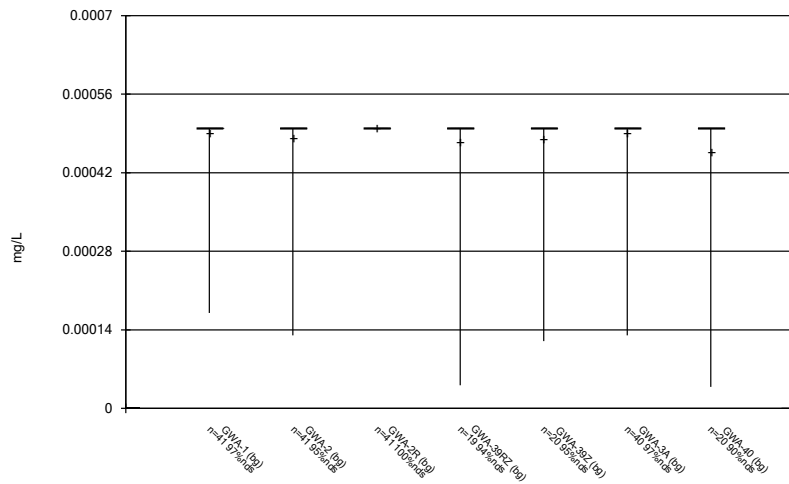
Constituent: Lead Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



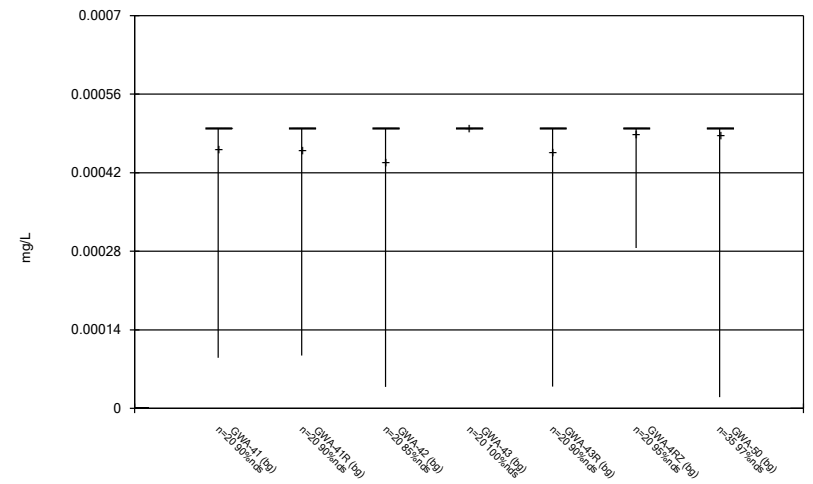
Constituent: Lead Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



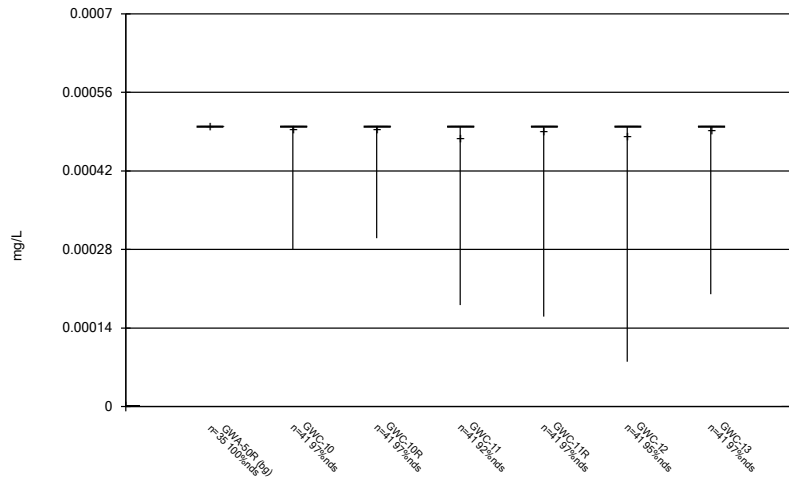
Constituent: Mercury Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



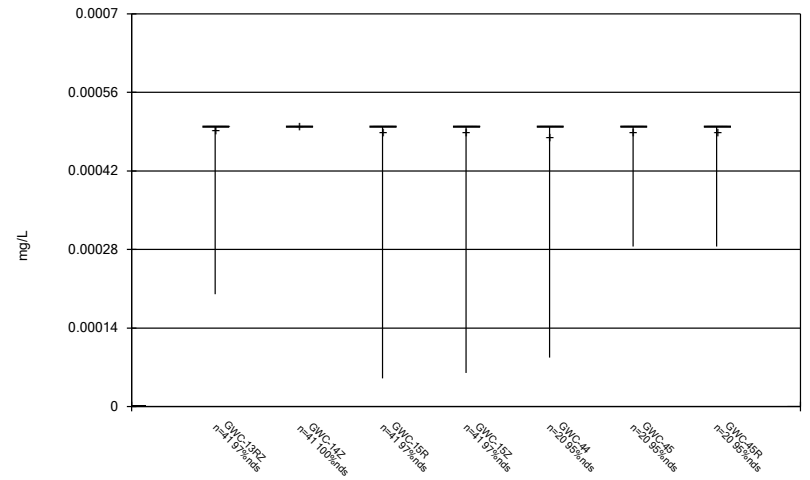
Constituent: Mercury Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



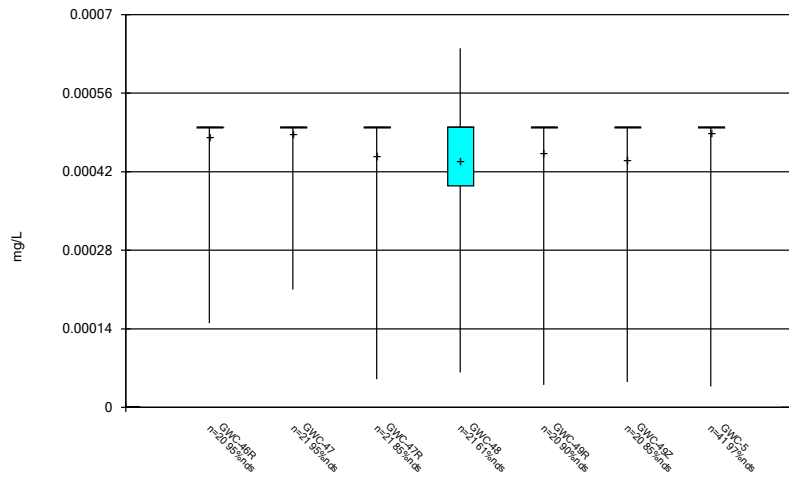
Constituent: Mercury Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



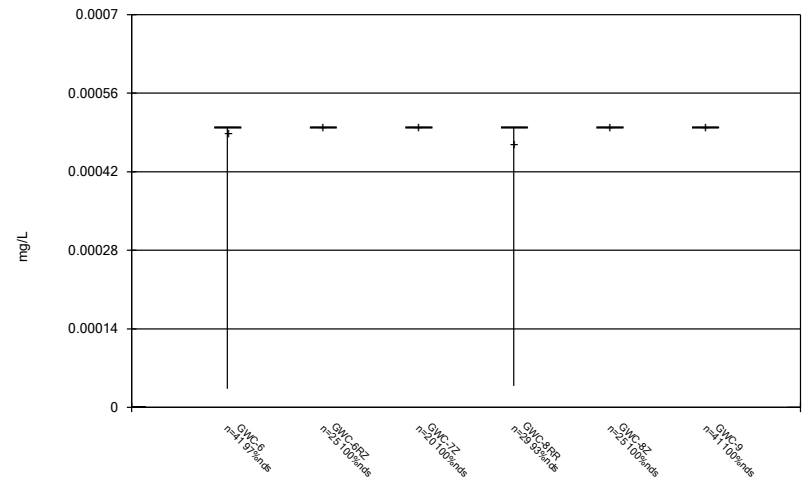
Constituent: Mercury Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



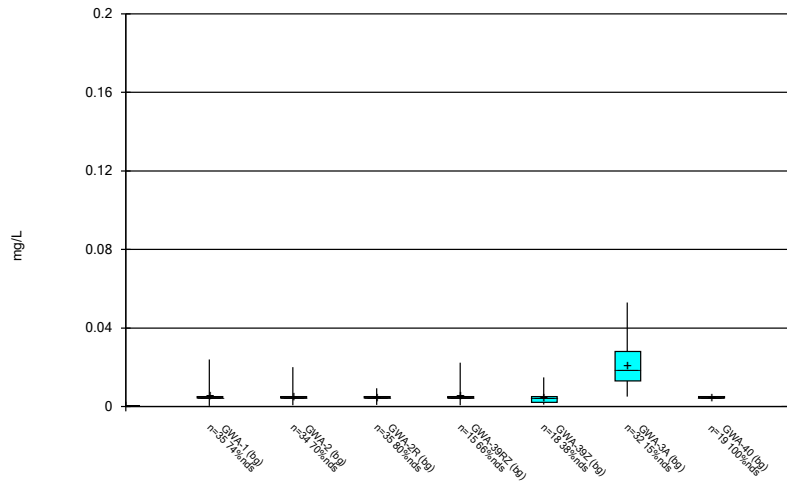
Constituent: Mercury Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



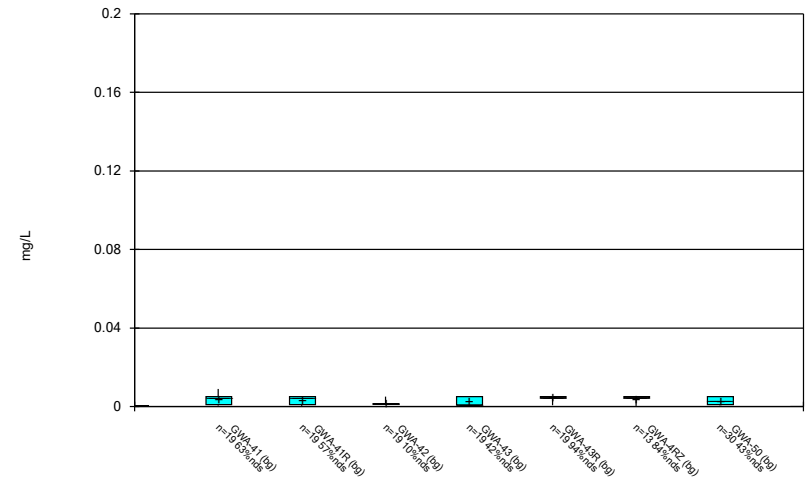
Constituent: Mercury Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



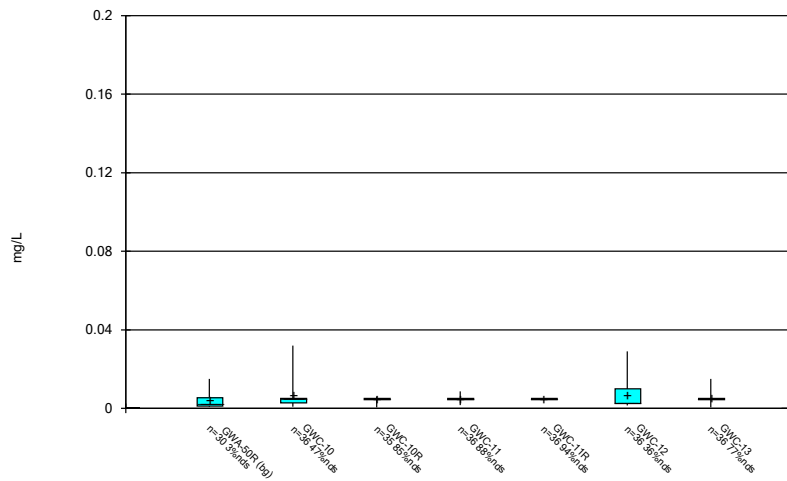
Constituent: Nickel Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



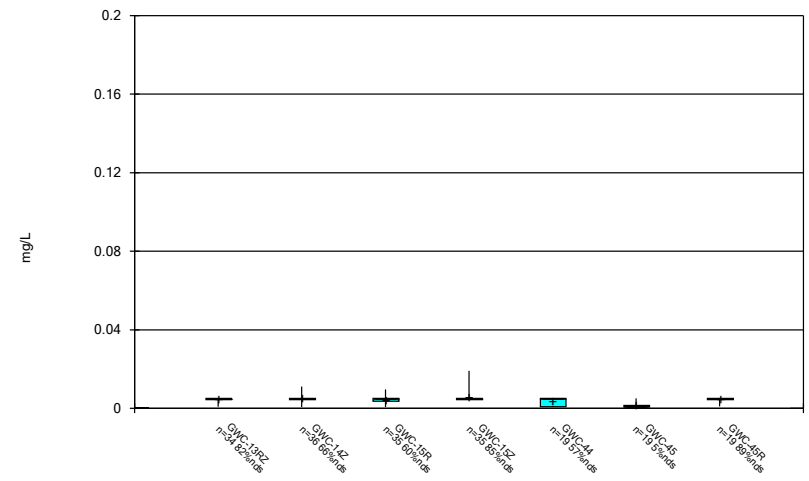
Constituent: Nickel Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



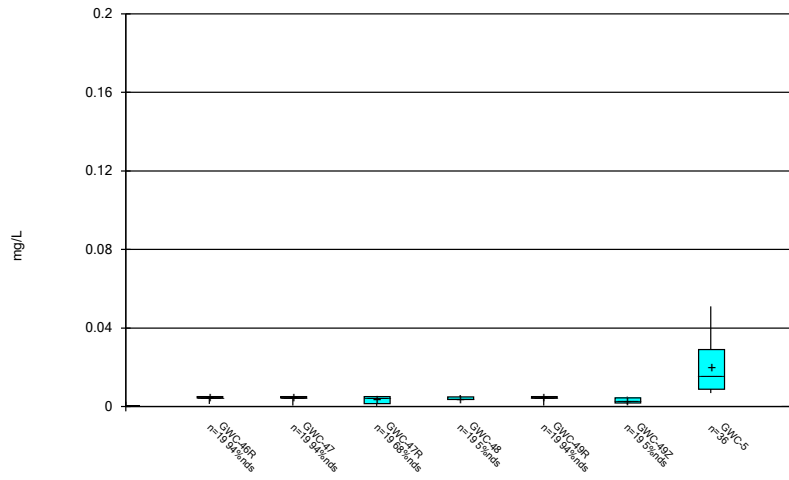
Constituent: Nickel Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



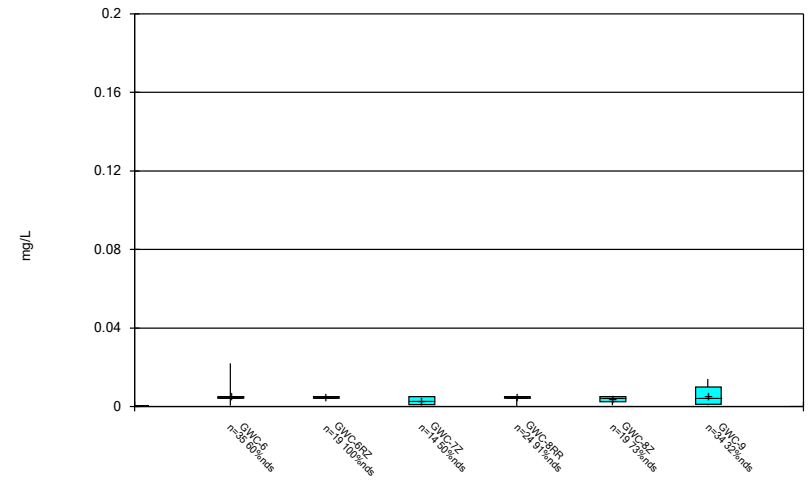
Constituent: Nickel Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



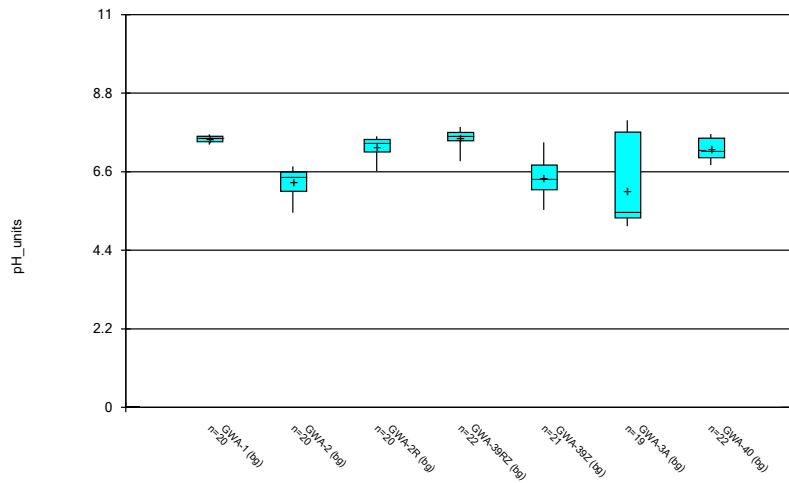
Constituent: Nickel Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



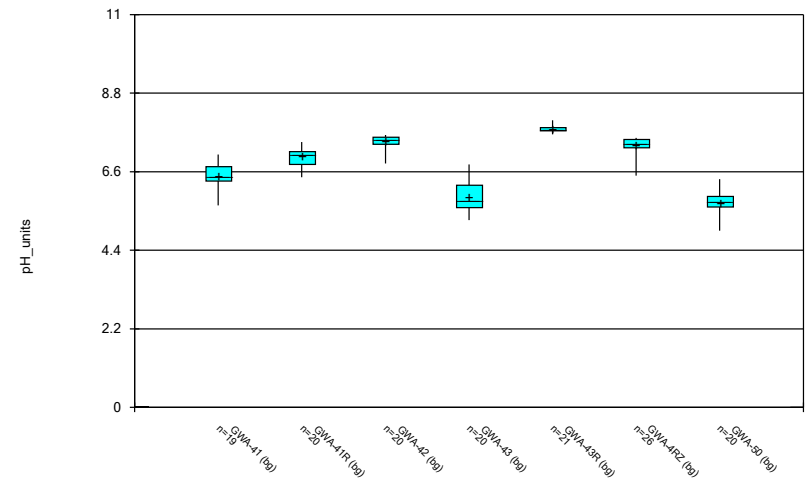
Constituent: Nickel Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



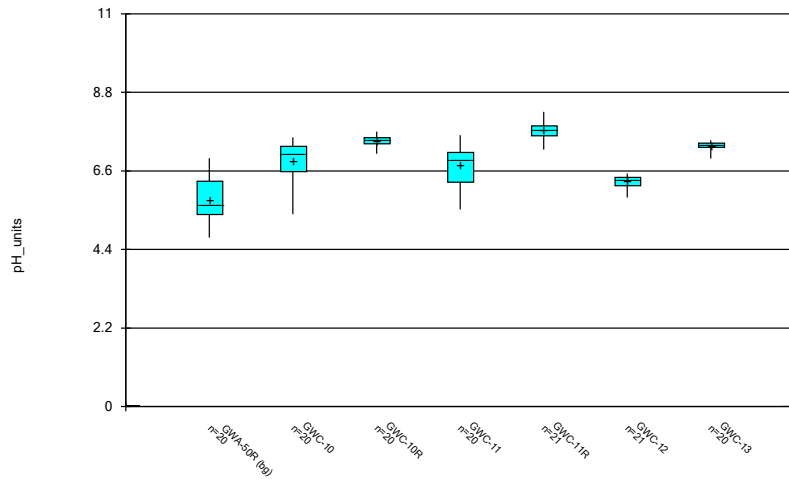
Constituent: pH Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



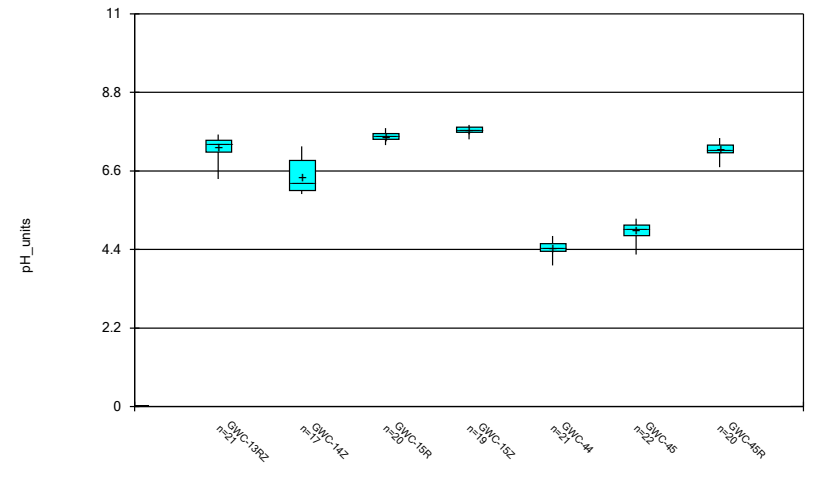
Constituent: pH Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



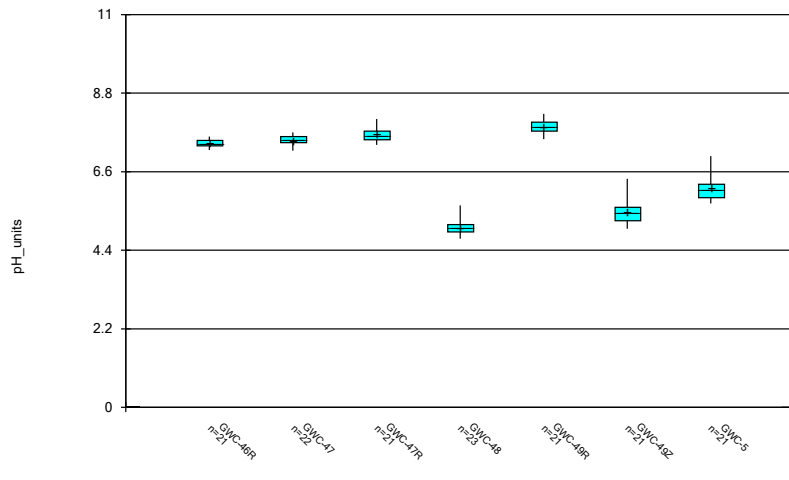
Constituent: pH Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



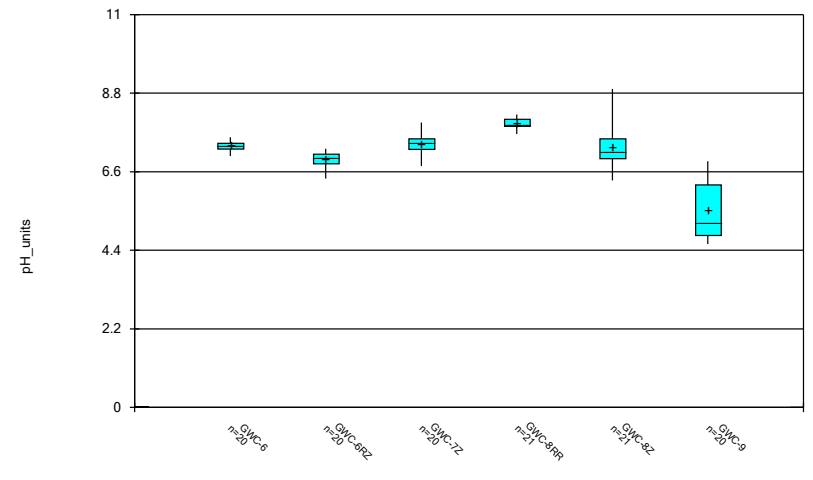
Constituent: pH Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



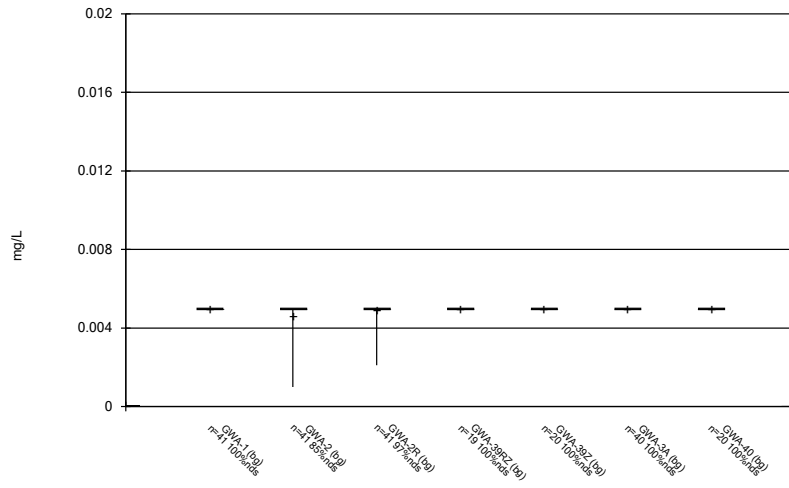
Constituent: pH Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



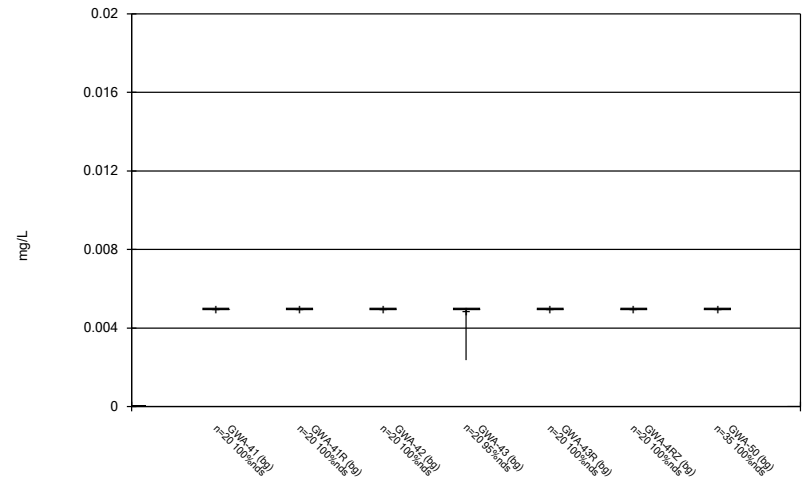
Constituent: pH Analysis Run 3/31/2023 12:17 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



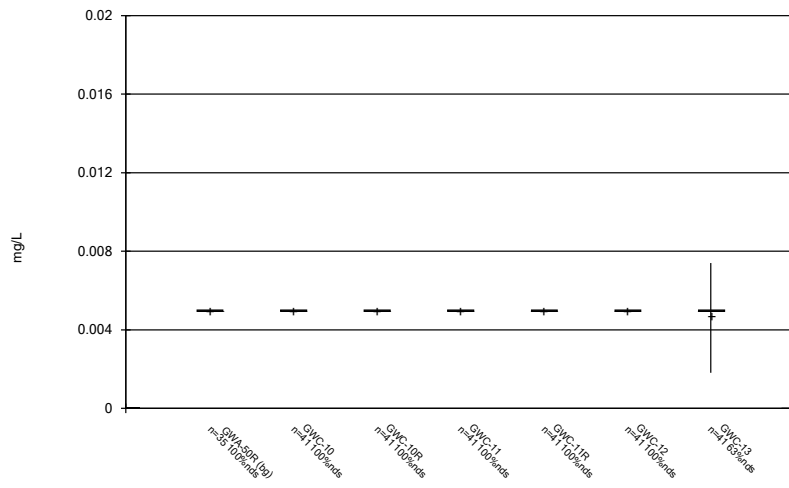
Constituent: Selenium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



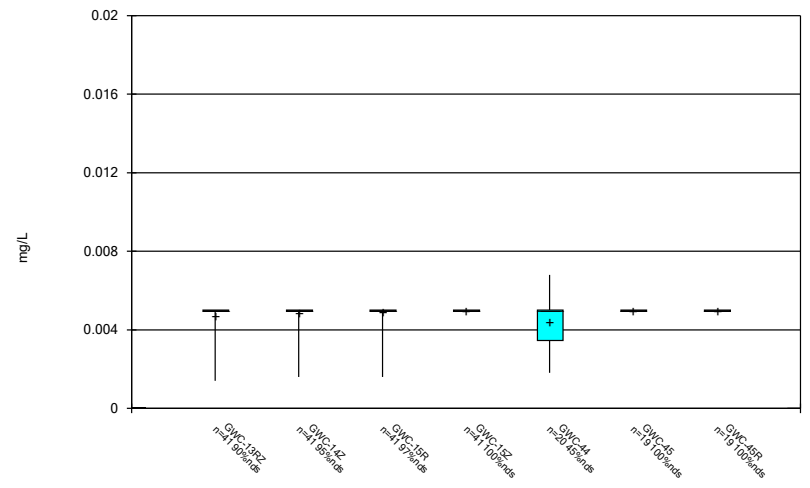
Constituent: Selenium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



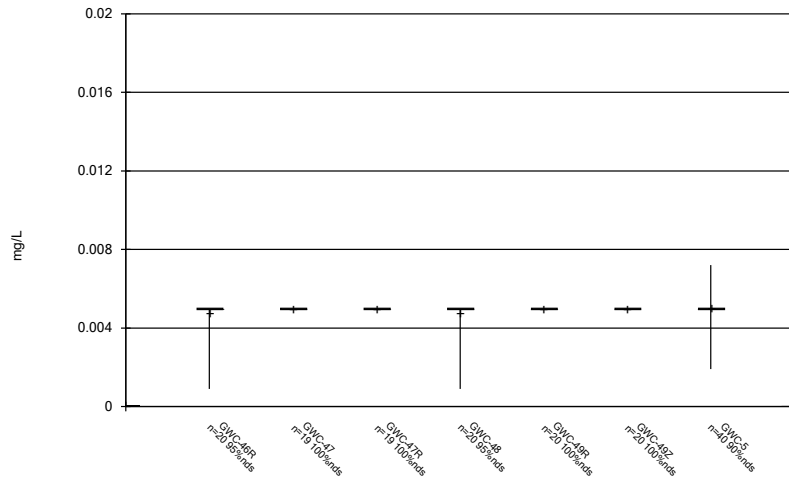
Constituent: Selenium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



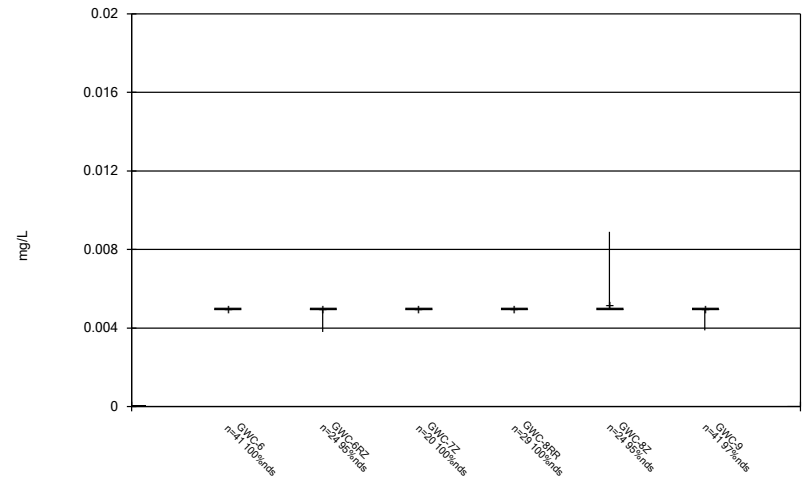
Constituent: Selenium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



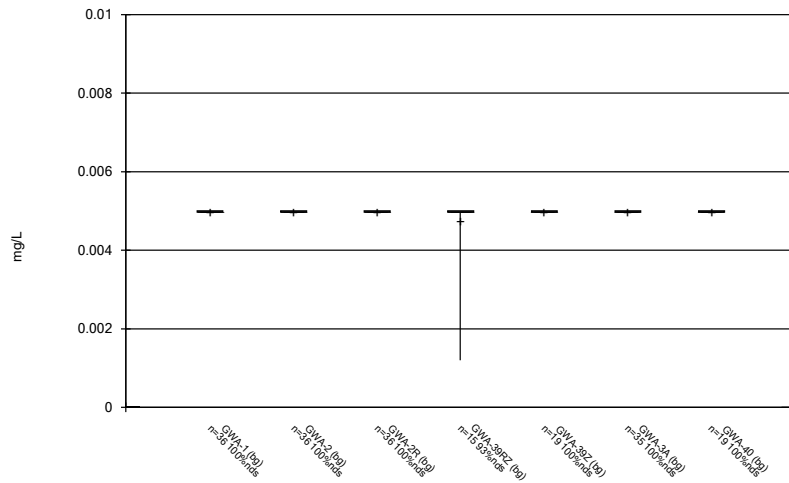
Constituent: Selenium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



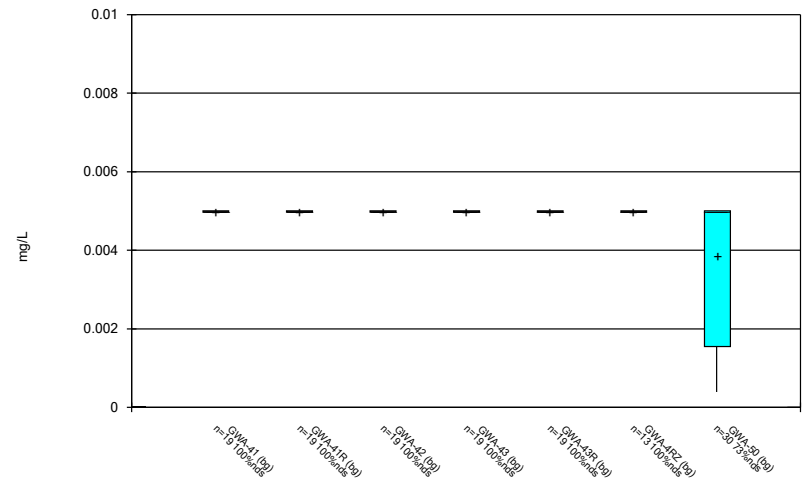
Constituent: Selenium Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



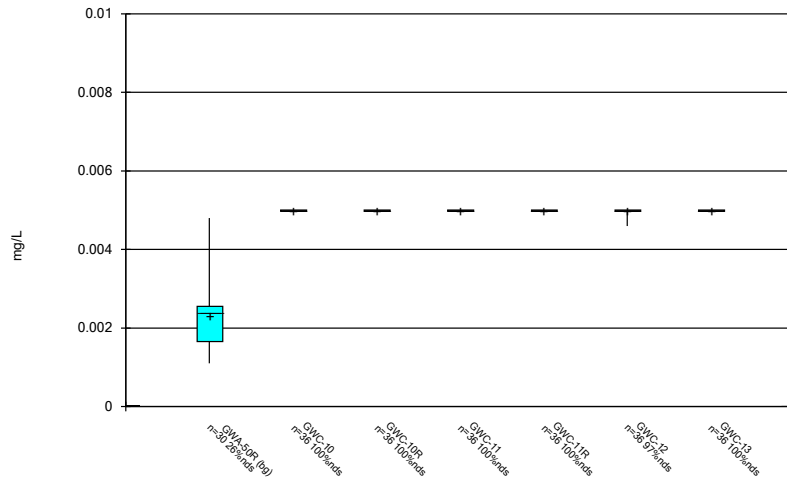
Constituent: Silver Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



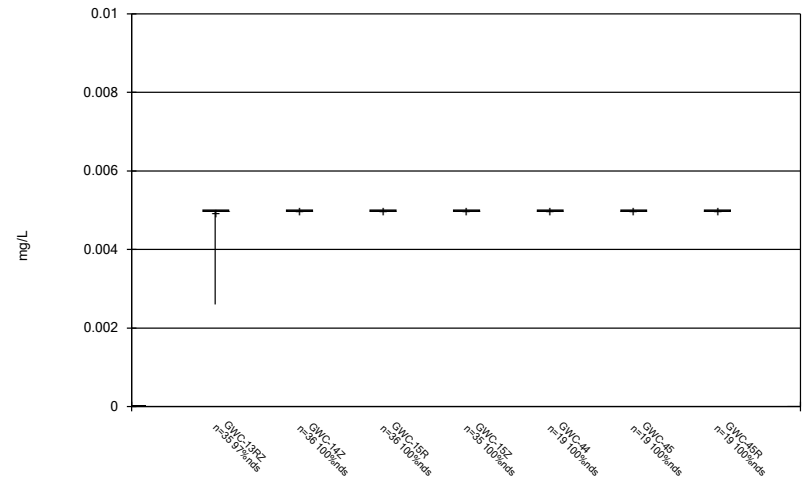
Constituent: Silver Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



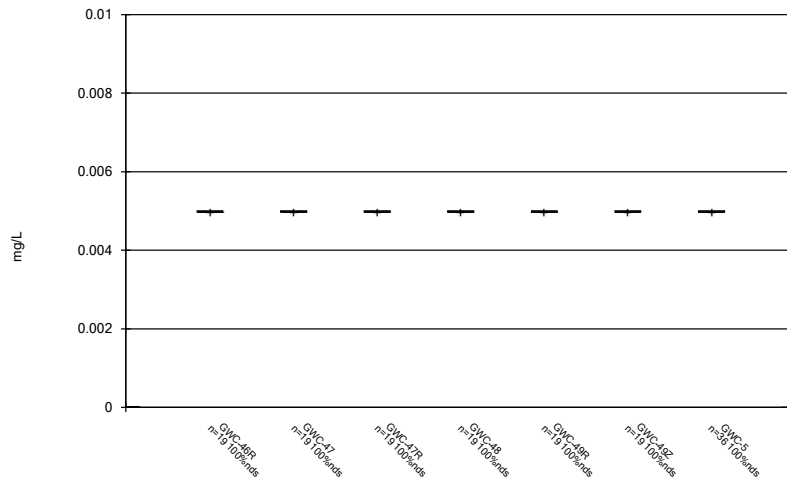
Constituent: Silver Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



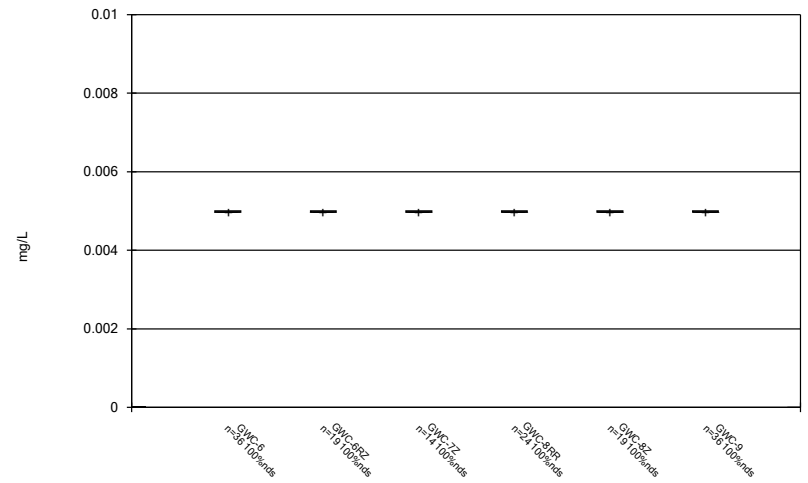
Constituent: Silver Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



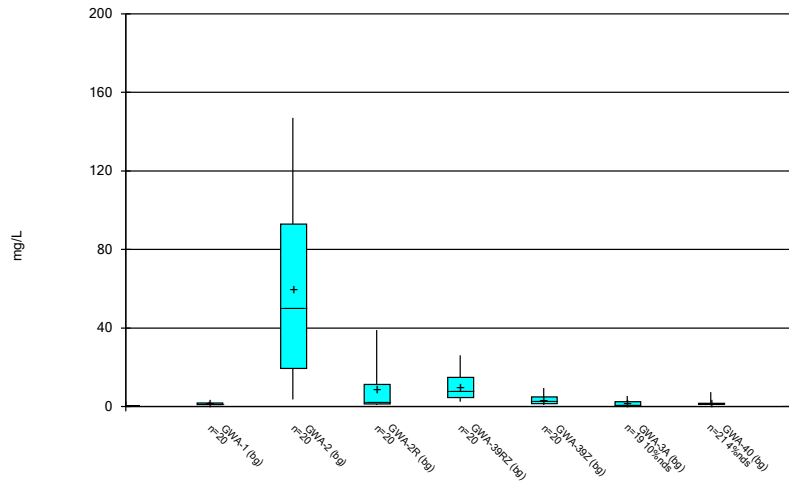
Constituent: Silver Analysis Run 3/31/2023 12:17 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



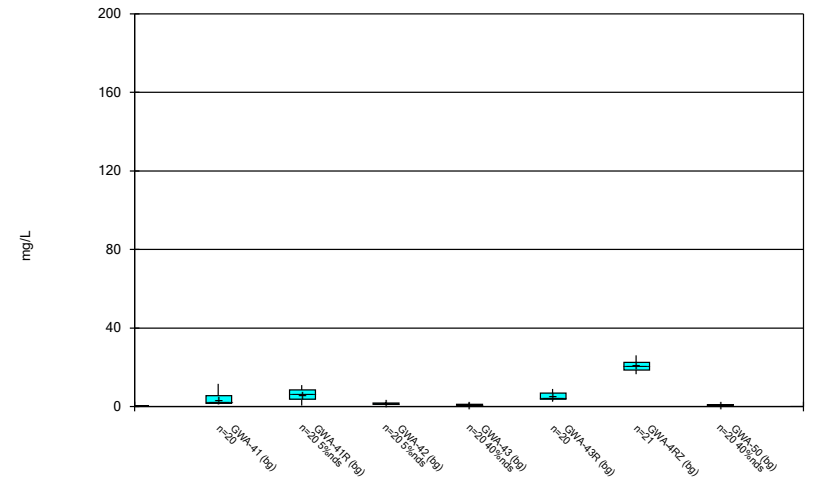
Constituent: Silver Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



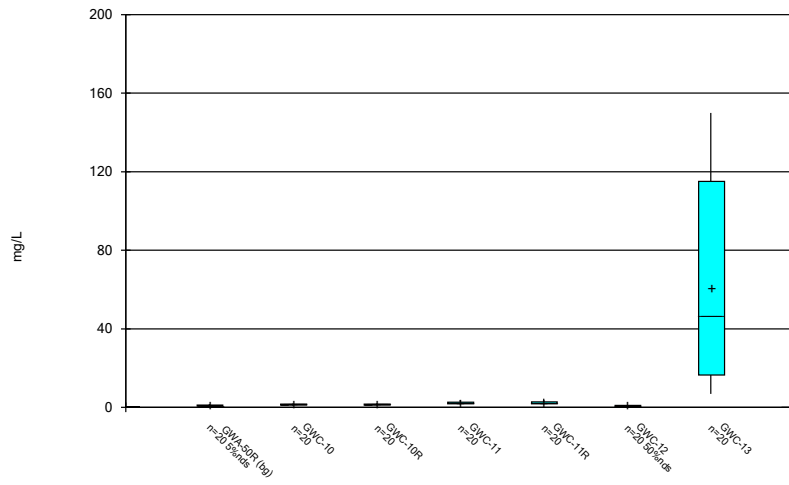
Constituent: Sulfate, total Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



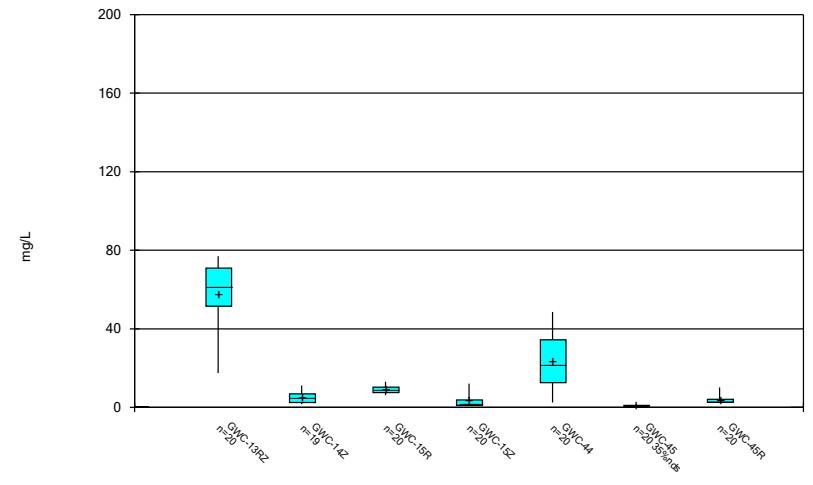
Constituent: Sulfate, total Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



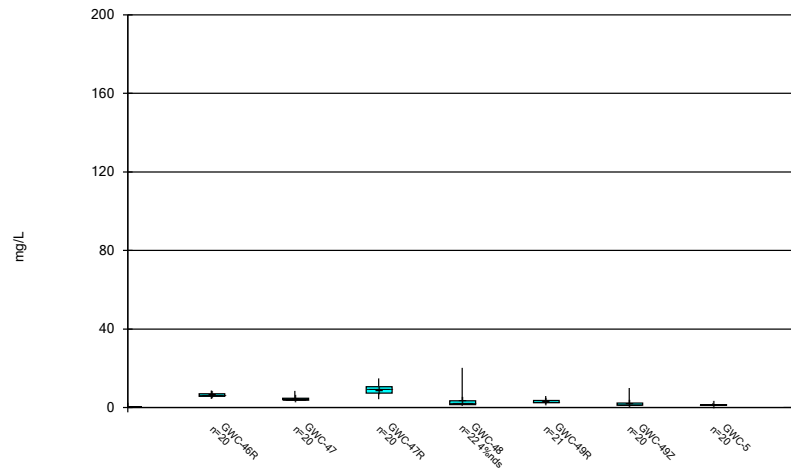
Constituent: Sulfate, total Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



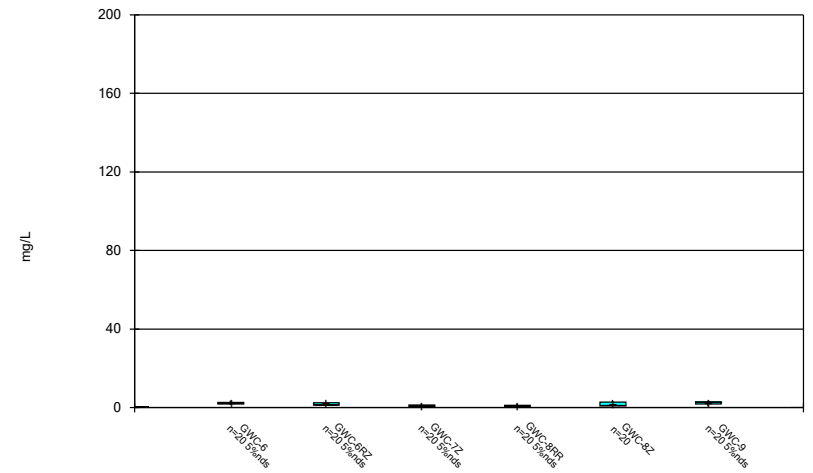
Constituent: Sulfate, total Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



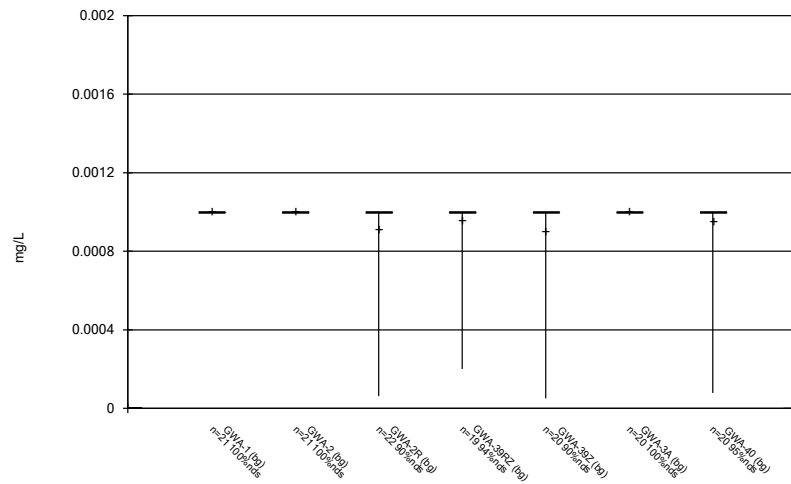
Constituent: Sulfate, total Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



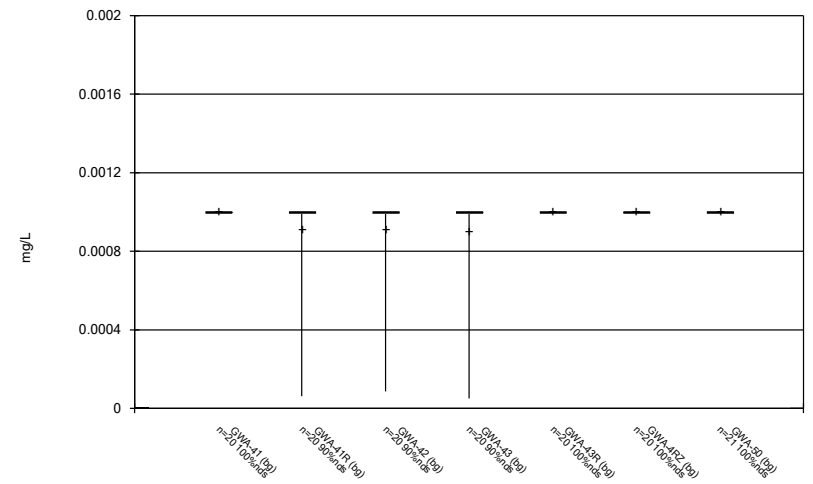
Constituent: Sulfate, total Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



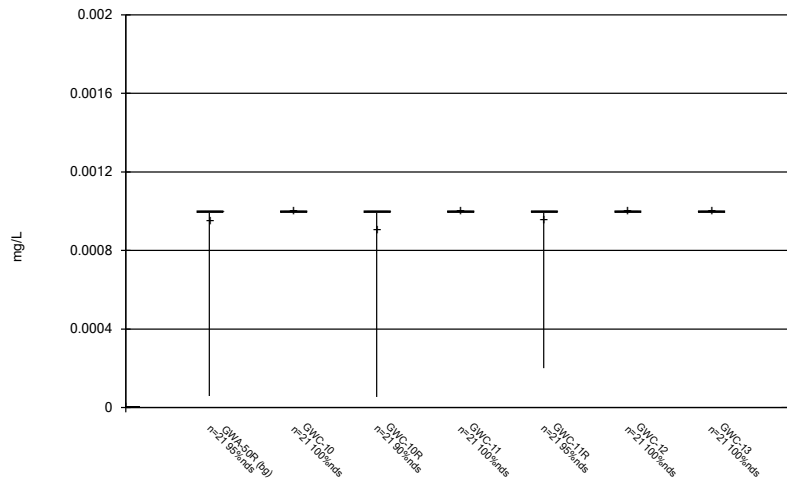
Constituent: Thallium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



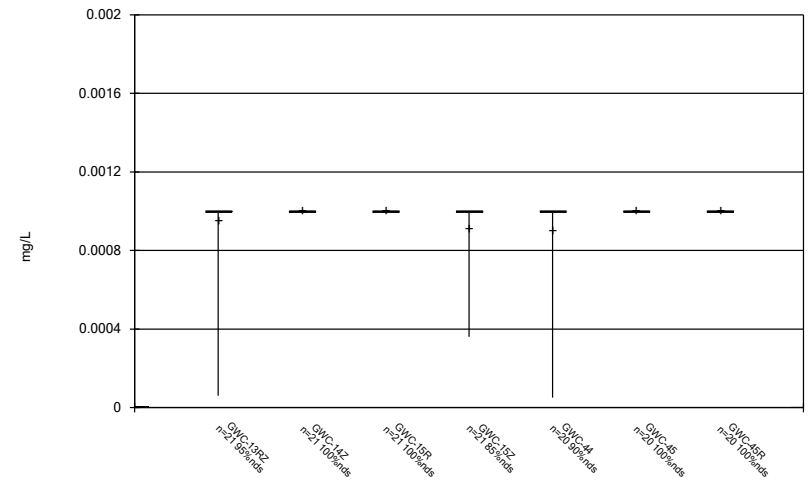
Constituent: Thallium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



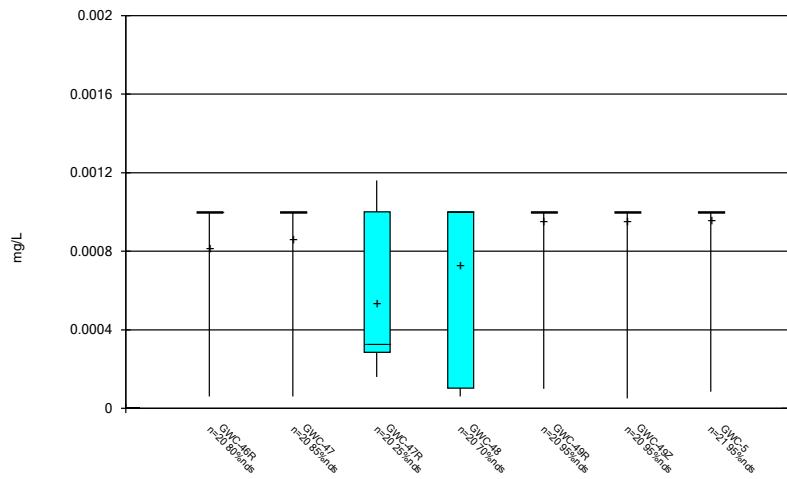
Constituent: Thallium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



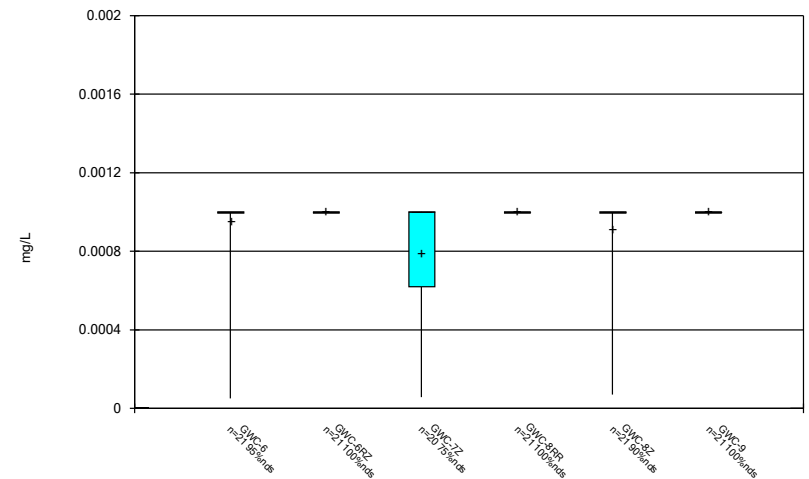
Constituent: Thallium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



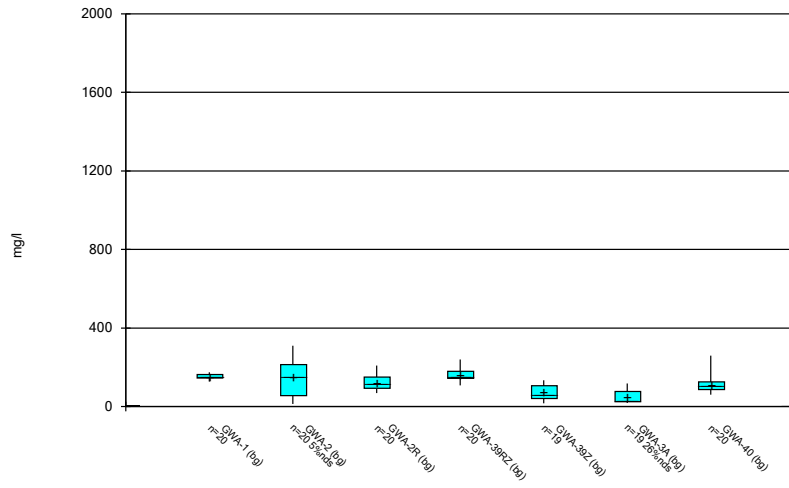
Constituent: Thallium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



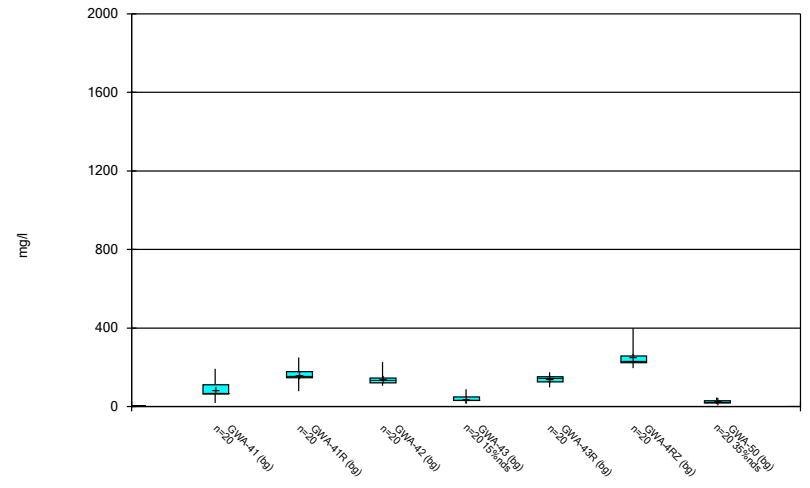
Constituent: Thallium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



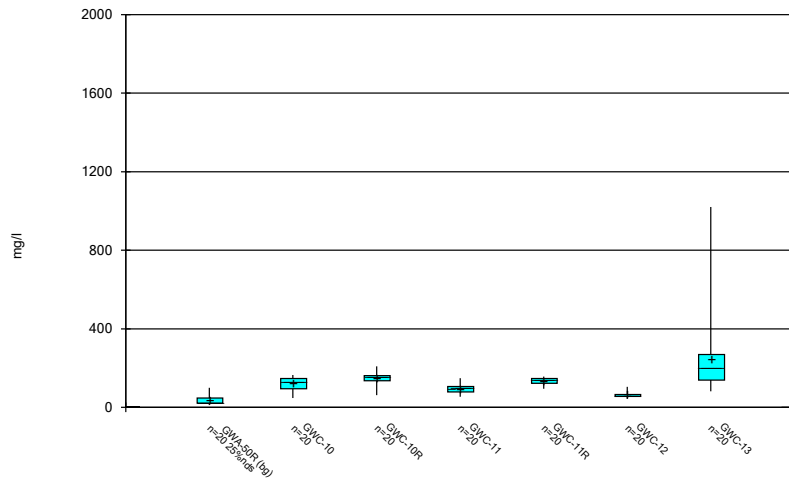
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



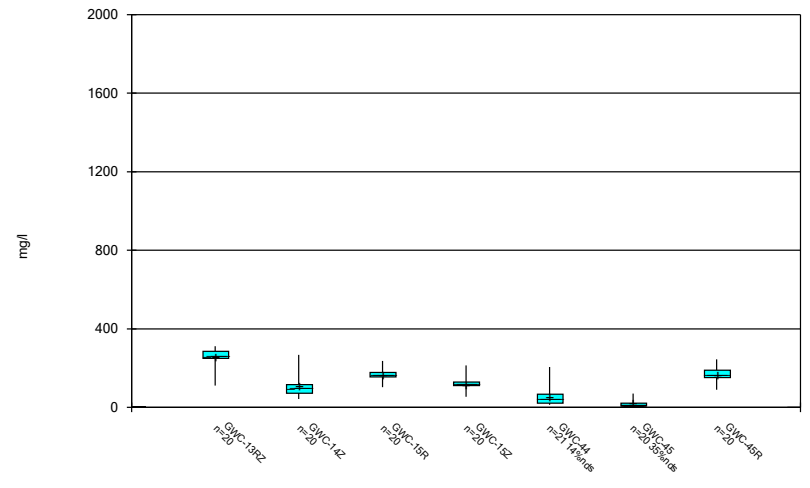
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



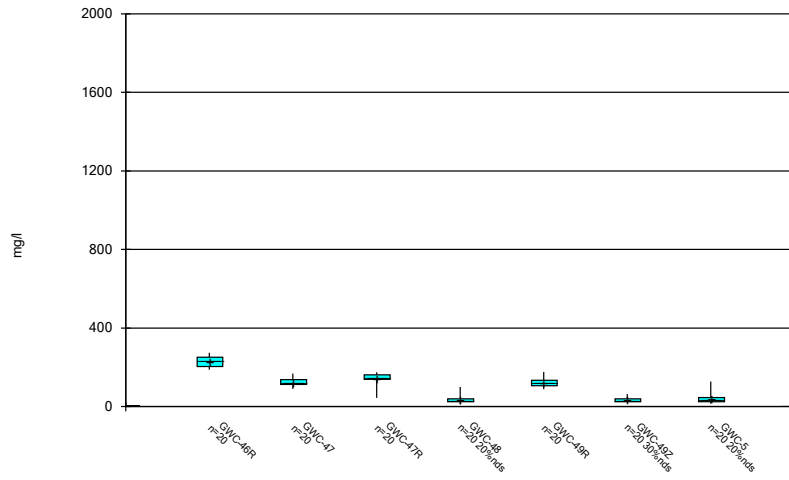
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



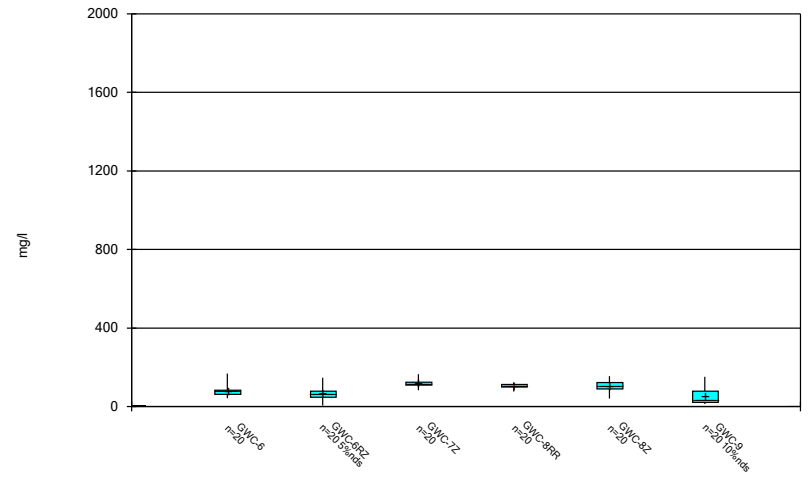
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



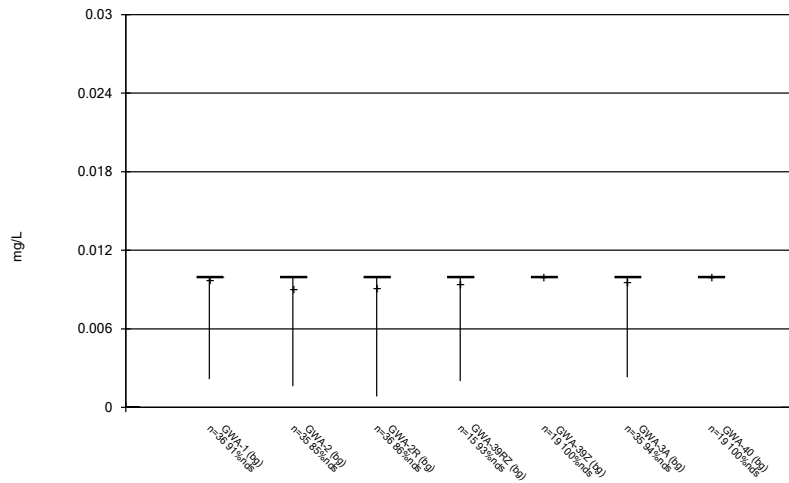
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



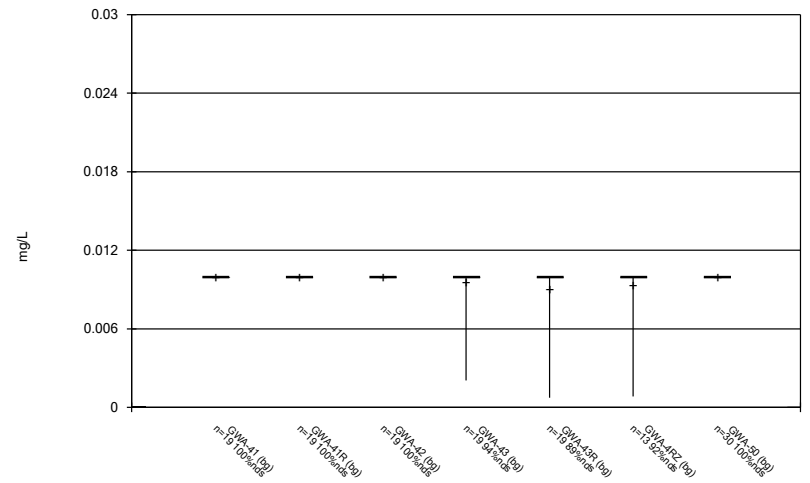
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



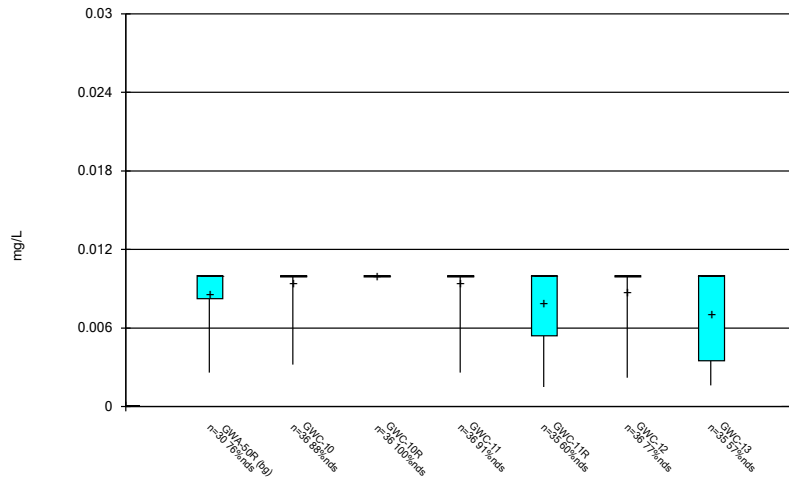
Constituent: Vanadium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



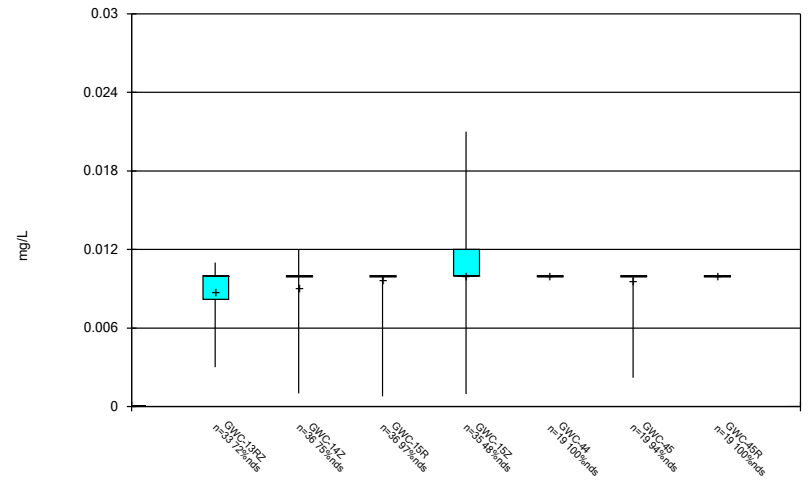
Constituent: Vanadium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



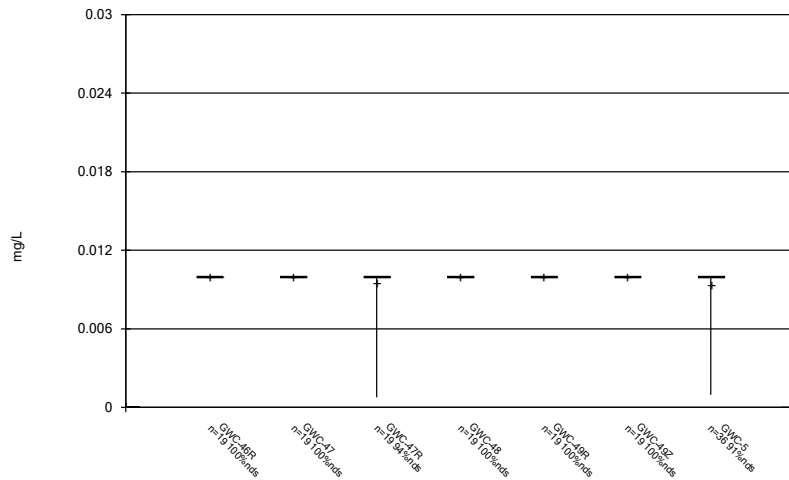
Constituent: Vanadium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



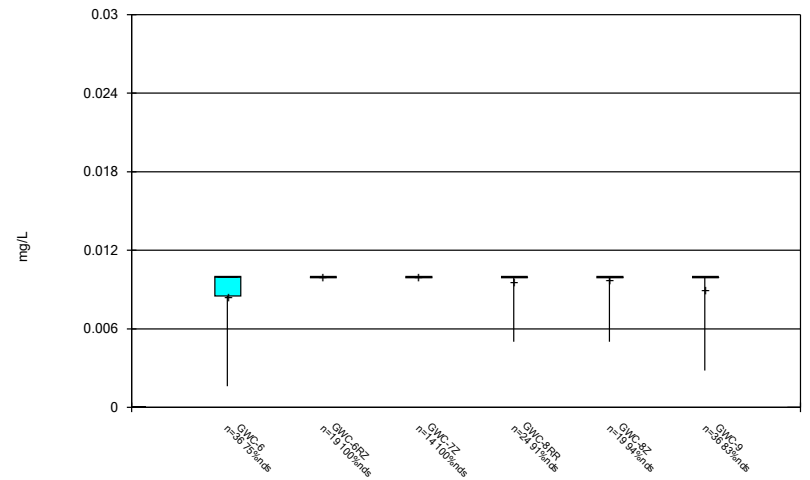
Constituent: Vanadium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



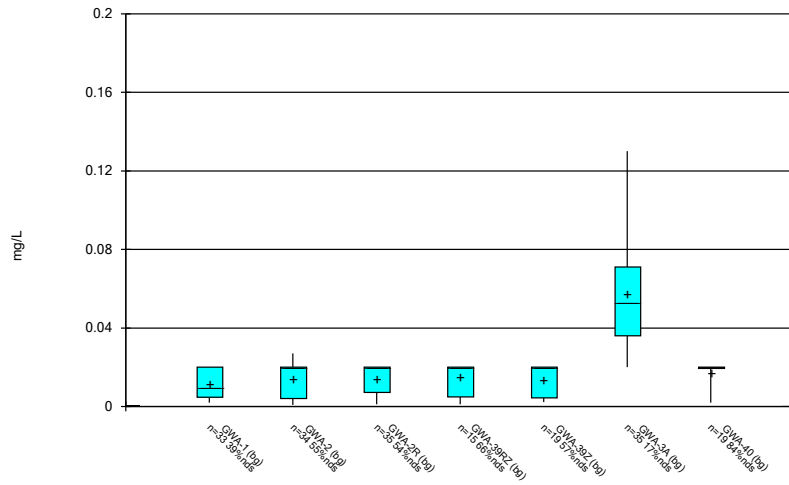
Constituent: Vanadium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



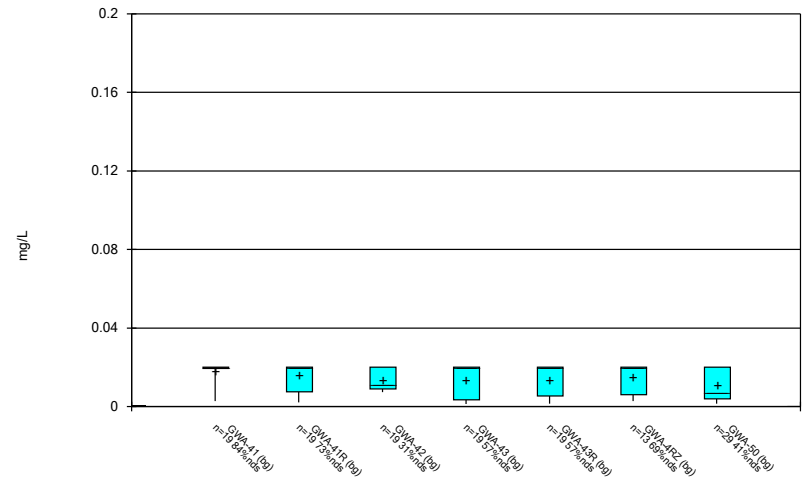
Constituent: Vanadium Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



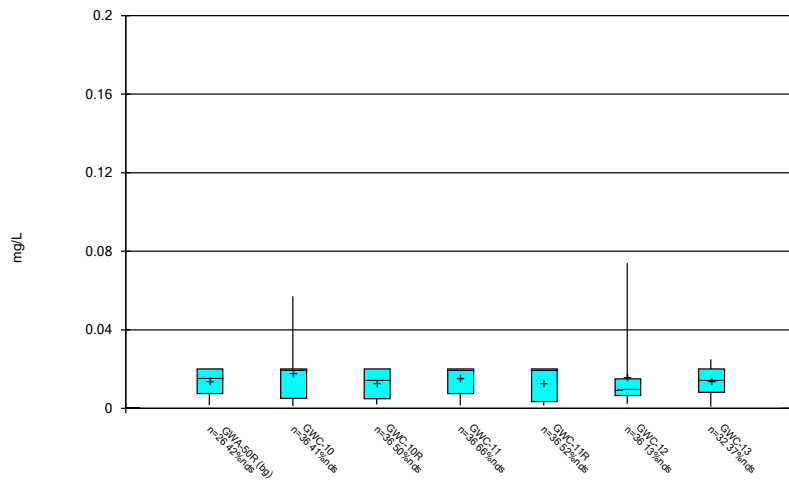
Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



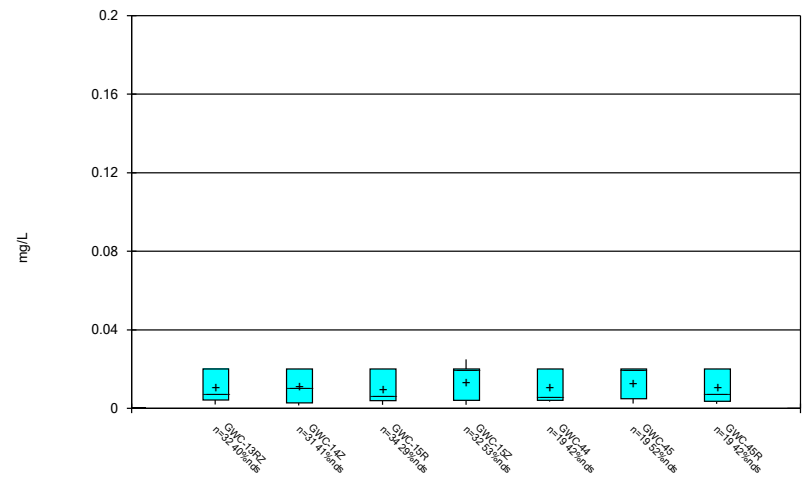
Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



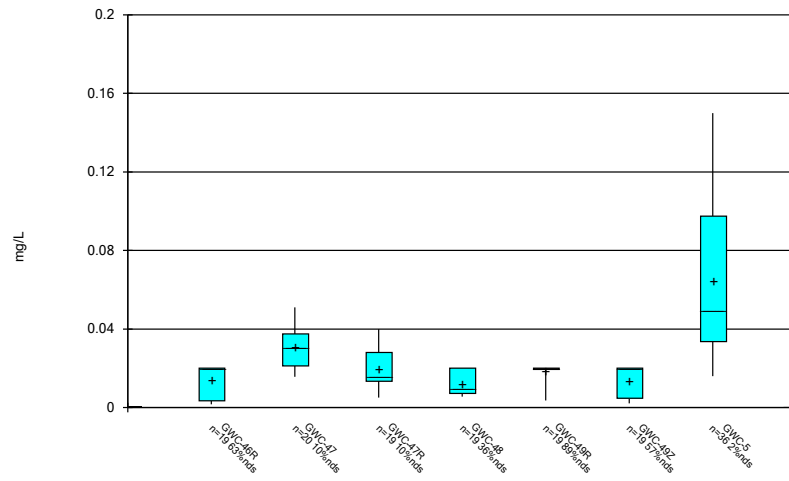
Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



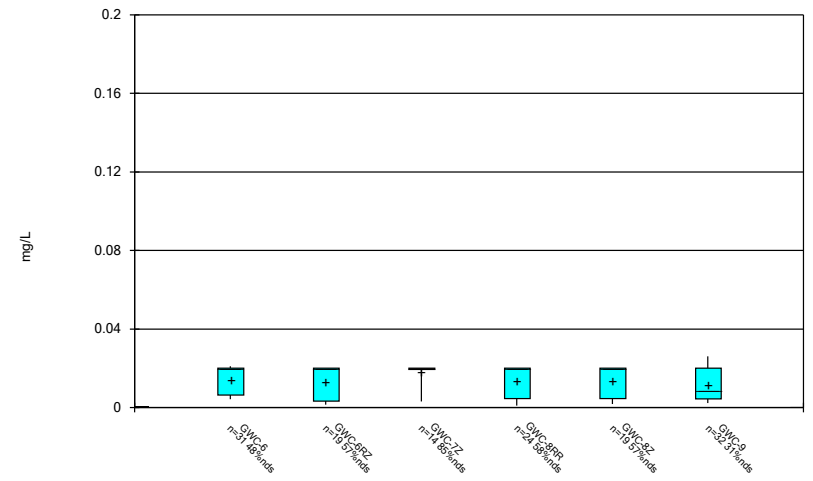
Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot

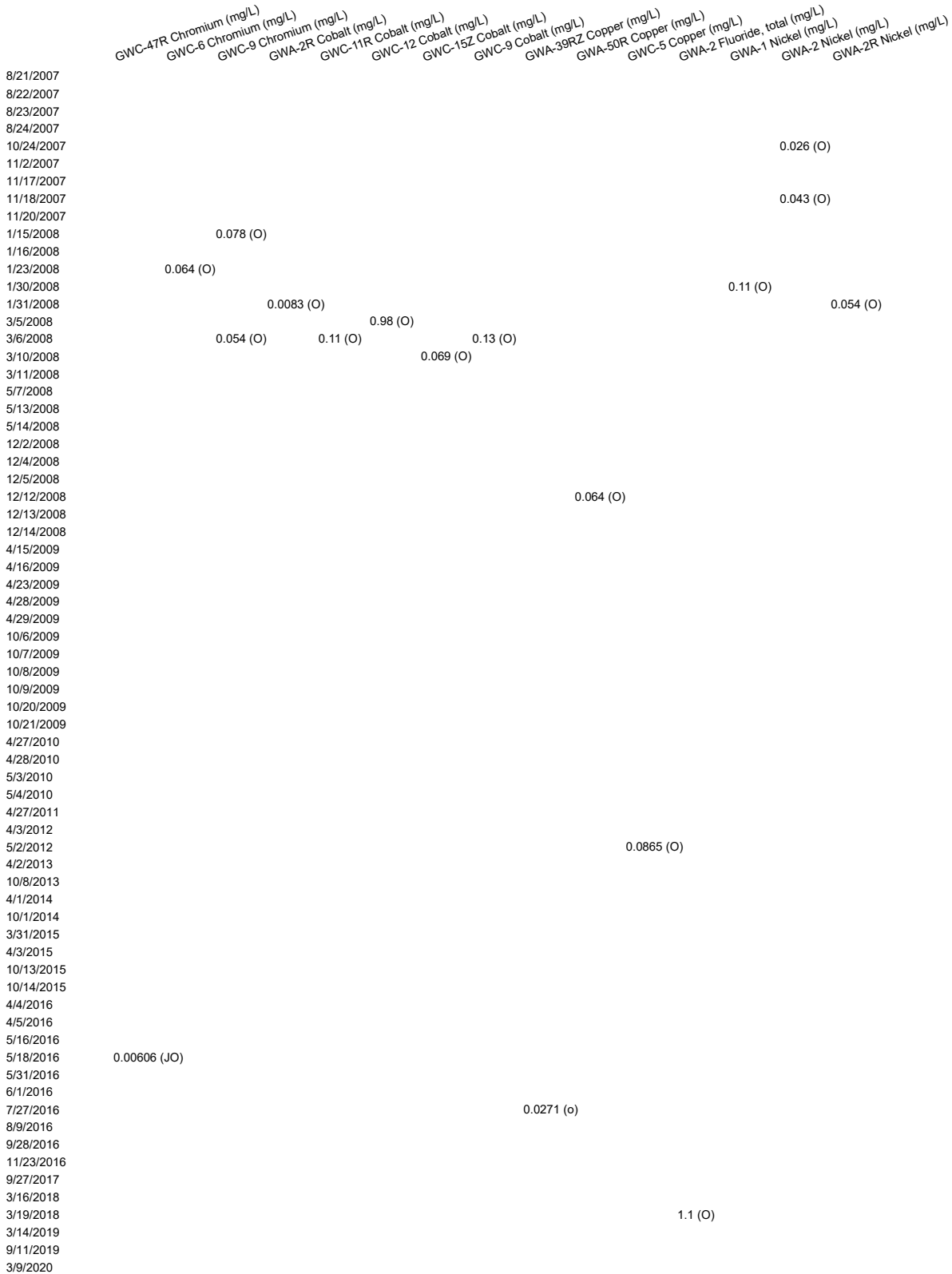


Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:20 PM



Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:20 PM

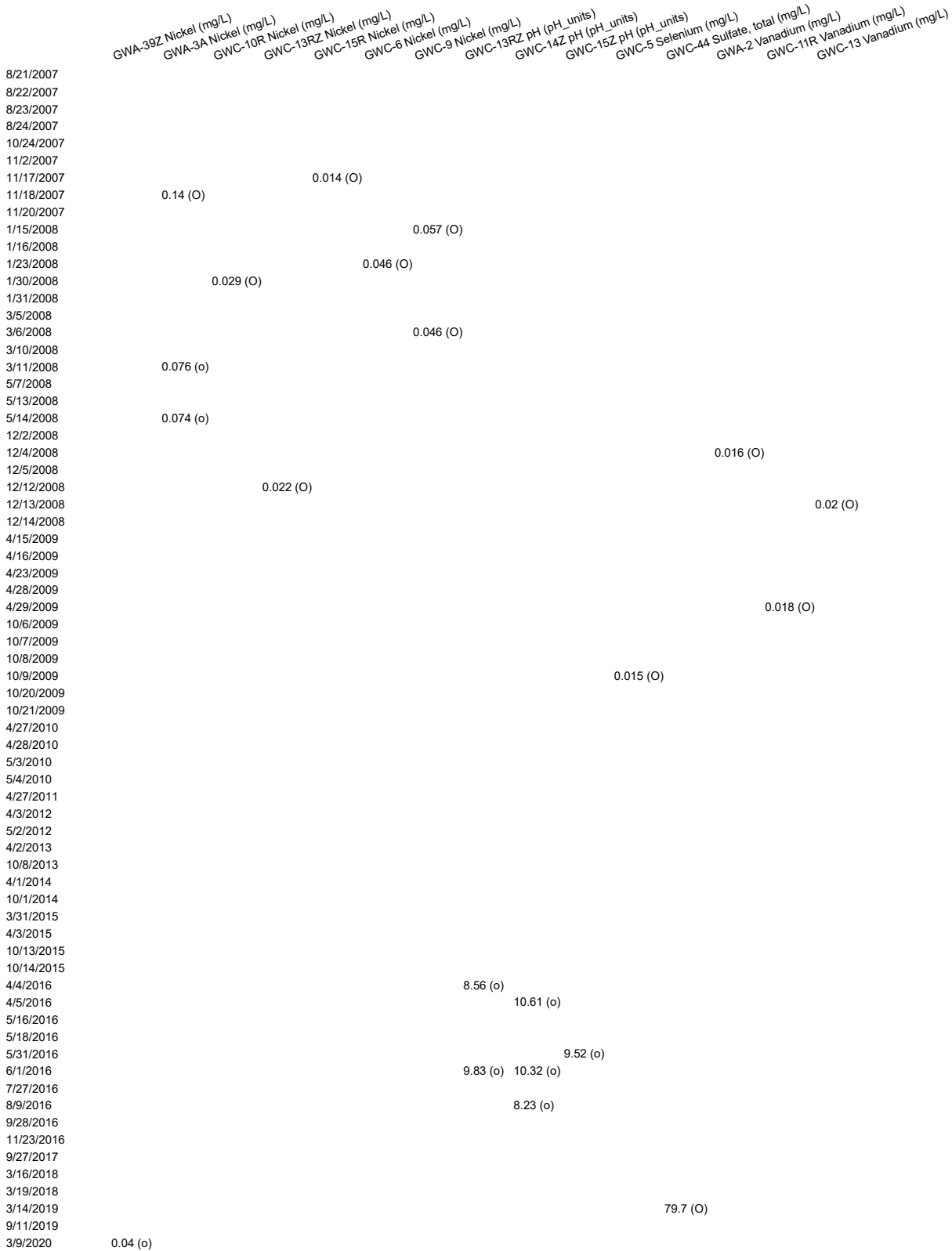


FIGURE D.

Appendix I Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg. N	Bg. Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.016	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-41R	0.0037	n/a	2/13/2023	0.0045	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49R	0.0033	n/a	2/14/2023	0.0037	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.0058	Yes	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0054	Yes	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	2/14/2023	0.0058	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.016	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-2R	0.011	n/a	2/16/2023	0.0048	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-39RZ	0.009814	n/a	2/14/2023	0.0019J	No	15	0.00252	0.002352	20	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-39Z	0.003788	n/a	2/13/2023	0.00087J	No	17	0.00115	0.0008886	29.41	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-3A	0.0068	n/a	2/17/2023	0.003ND	No	37	n/a	n/a	64.86	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-40	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41R	0.0037	n/a	2/13/2023	0.0045	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-42	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43R	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.003	n/a	2/17/2023	0.003ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-50	0.003	n/a	2/16/2023	0.003ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-50R	0.003	n/a	2/16/2023	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.003	n/a	2/20/2023	0.003ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.003	n/a	2/20/2023	0.003ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.012	n/a	2/20/2023	0.003ND	No	39	n/a	n/a	69.23	n/a	n/a	0.001226	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.003	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13RZ	0.00447	n/a	2/22/2023	0.003ND	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-14Z	0.005	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.0106	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	50	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-15Z	0.0053	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-45	0.006586	n/a	2/14/2023	0.003ND	No	17	0.03948	0.01404	23.53	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-45R	0.004265	n/a	2/14/2023	0.003ND	No	17	0.001357	0.0009798	47.06	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-46R	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47R	0.002535	n/a	2/14/2023	0.0022J	No	17	-7.189	0.4083	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-48	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49R	0.0033	n/a	2/14/2023	0.0037	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49Z	0.003623	n/a	2/14/2023	0.003ND	No	17	-6.797	0.3965	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-5	0.003	n/a	2/20/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.0035	n/a	2/17/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.003	n/a	2/17/2023	0.003ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-7Z	0.003	n/a	2/20/2023	0.0012J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.003	n/a	2/21/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8Z	0.003	n/a	2/20/2023	0.003ND	No	21	n/a	n/a	100	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	2/21/2023	0.003ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2	0.005	n/a	2/16/2023	0.005ND	No	37	n/a	n/a	100	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3A	0.005	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.005571	n/a	2/17/2023	0.005ND	No	17	-6.903	0.5772	23.53	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-10	0.0079	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-10R	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	42.11	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-12	0.012	n/a	2/21/2023	0.0094J	No	37	n/a	n/a	24.32	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-13	0.0096	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-13RZ	0.0066	n/a	2/22/2023	0.0031J	No	36	n/a	n/a	58.33	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	GWC-14Z	0.0079	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15Z	0.0077	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6	0.005	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7Z	0.004641	n/a	2/20/2023	0.005ND	No	17	0.001929	0.0009137	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.0086	n/a	2/21/2023	0.0028J	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.04502	n/a	2/16/2023	0.018	No	37	-3.909	0.3174	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.05141	n/a	2/16/2023	0.029	No	36	0.0209	0.01195	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2R	0.03451	n/a	2/16/2023	0.028	No	36	0.2237	0.03988	0	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39RZ	0.02768	n/a	2/14/2023	0.014	No	16	0.1268	0.01313	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39Z	0.03941	n/a	2/13/2023	0.018	No	17	0.01411	0.008521	5.882	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-3A	0.009084	n/a	2/17/2023	0.0065	No	28	0.005744	0.001261	3.571	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-40	0.01278	n/a	2/13/2023	0.0075	No	17	0.008742	0.001361	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41	0.03723	n/a	2/13/2023	0.029	No	17	0.02557	0.003928	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41R	0.05668	n/a	2/13/2023	0.028	No	17	0.02492	0.0107	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-42	0.007092	n/a	2/13/2023	0.0061	No	17	0.006289	0.0002707	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43	0.04685	n/a	2/14/2023	0.011	No	17	0.02083	0.008765	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43R	0.009608	n/a	2/13/2023	0.0064	No	17	0.007821	0.0006022	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.05645	n/a	2/17/2023	0.043	No	17	0.03282	0.00796	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50	0.01772	n/a	2/16/2023	0.0067	No	31	0.00959	0.00312	3.226	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50R	0.02271	n/a	2/16/2023	0.0081	No	29	0.01407	0.00328	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10	0.03628	n/a	2/20/2023	0.02	No	35	0.1368	0.02096	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10R	0.0369	n/a	2/20/2023	0.024	No	38	0.02421	0.005	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-11	0.036	n/a	2/20/2023	0.0071	No	37	n/a	n/a	2.703	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-11R	0.02549	n/a	2/20/2023	0.02	No	38	0.01365	0.004665	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-12	0.07	n/a	2/21/2023	0.023	No	34	n/a	n/a	0	n/a	n/a	0.001599	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-13	0.05665	n/a	2/22/2023	0.022	No	36	0.02799	0.01122	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-14Z	0.05513	n/a	2/22/2023	0.014	No	34	0.134	0.03917	5.882	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15R	0.0322	n/a	2/22/2023	0.016	No	37	0.02379	0.003303	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15Z	0.02357	n/a	2/22/2023	0.01	No	37	0.01126	0.004835	2.703	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-44	0.09923	n/a	2/14/2023	0.042	No	17	0.04132	0.01951	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45	0.006752	n/a	2/14/2023	0.0067	No	17	0.005923	0.0002794	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45R	0.02752	n/a	2/14/2023	0.025	No	17	0.02092	0.002221	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-46R	0.02323	n/a	2/14/2023	0.011	No	17	-4.239	0.1605	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47	0.02056	n/a	2/14/2023	0.0075	No	17	0.01184	0.002938	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47R	0.0365	n/a	2/14/2023	0.0072	No	17	-4.549	0.4172	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-48	0.04387	n/a	2/14/2023	0.04	No	18	0.0008705	0.0003606	5.556	None	x^2	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49R	0.03583	n/a	2/14/2023	0.013	No	17	-4.444	0.3757	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49Z	0.0178	n/a	2/14/2023	0.0041J	No	17	0.1729	0.02972	5.882	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.02799	n/a	2/20/2023	0.012	No	37	0.01756	0.004096	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.02931	n/a	2/17/2023	0.0067	No	35	0.2239	0.03294	2.857	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-6RZ	0.01787	n/a	2/17/2023	0.0067	No	21	0.0946	0.01394	4.762	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-7Z	0.04219	n/a	2/20/2023	0.015	No	17	0.02581	0.00552	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	2/21/2023	0.011	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-8Z	0.06382	n/a	2/20/2023	0.024	No	21	-3.57	0.2917	0	None	ln(x)	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-9	0.05337	n/a	2/21/2023	0.042	No	34	0.03874	0.005686	0	None	No	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWA-1	0.00076	n/a	2/16/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39RZ	0.0005	n/a	2/14/2023	0.0005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39Z	0.0005	n/a	2/13/2023	0.0005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-42	0.0005	n/a	2/13/2023	0.0005ND	No	17	n/a	n/a	11.76	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cadmium (mg/L)	GWA-43	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-50	0.0005	n/a	2/16/2023	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.00056	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-12	0.001	n/a	2/21/2023	0.0004J	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-14Z	0.0005	n/a	2/22/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.0005	n/a	2/22/2023	0.0005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-44	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-45R	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47R	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-48	0.0005469	n/a	2/14/2023	0.00015J	No	17	-8.602	0.3675	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWC-49Z	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-5	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-6	0.0005	n/a	2/17/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7Z	0.0005	n/a	2/20/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8Z	0.0005	n/a	2/20/2023	0.0005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.012	n/a	2/16/2023	0.005ND	No	35	n/a	n/a	74.29	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.009	n/a	2/16/2023	0.005ND	No	35	n/a	n/a	65.71	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	2/16/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3A	0.012	n/a	2/17/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41	0.015	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.0016J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	87.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.034	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-10R	0.01	n/a	2/20/2023	0.005ND	No	36	n/a	n/a	77.78	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.01362	n/a	2/20/2023	0.0015J	No	37	0.005363	0.003241	29.73	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-11R	0.02445	n/a	2/20/2023	0.0037J	No	27	0.199	0.03424	3.704	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.03	n/a	2/21/2023	0.005ND	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-13	0.035	n/a	2/22/2023	0.0038J	No	38	n/a	n/a	0	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.0024J	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-14Z	0.01565	n/a	2/22/2023	0.005ND	No	36	0.05769	0.0264	30.56	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-15R	0.014	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	59.46	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15Z	0.027	n/a	2/22/2023	0.0014J	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0015J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.0058	Yes	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-46R	0.008155	n/a	2/14/2023	0.005J	No	18	0.003333	0.00165	16.67	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-47	0.007262	n/a	2/14/2023	0.0018J	No	17	-6.245	0.4447	11.76	None	ln(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-47R	0.018	n/a	2/14/2023	0.0027J	No	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-48	0.01	n/a	2/14/2023	0.0019J	No	17	n/a	n/a	29.41	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-49Z	0.00778	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.032	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	55.26	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.027	n/a	2/17/2023	0.0031J	No	37	n/a	n/a	27.03	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.01	n/a	2/17/2023	0.0022J	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.0012J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8RR	0.01	n/a	2/21/2023	0.0053	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-9	0.018	n/a	2/21/2023	0.005ND	No	36	n/a	n/a	80.56	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2R	0.005	n/a	2/16/2023	0.00065J	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39RZ	0.0057	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39Z	0.0104	n/a	2/13/2023	0.005ND	No	17	0.04156	0.02036	29.41	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-3A	0.0057	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	40.54	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.00039J	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.03012	n/a	2/17/2023	0.017	No	17	0.01064	0.006563	5.882	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-50R	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	81.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-10	0.013	n/a	2/20/2023	0.0026J	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11	0.016	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.005	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-12	0.01	n/a	2/21/2023	0.0029J	No	37	n/a	n/a	8.108	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-13	0.011	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-13RZ	0.0079	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-14Z	0.011	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15Z	0.005	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0014J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.0012J	No	17	n/a	n/a	11.76	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.0025J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-49Z	0.008028	n/a	2/14/2023	0.00096J	No	17	0.003094	0.001662	11.76	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWC-5	0.0073	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-6	0.005	n/a	2/17/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-9	0.0067	n/a	2/21/2023	0.00043J	No	37	n/a	n/a	72.97	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.0094	n/a	2/16/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.013	n/a	2/16/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.013	n/a	2/16/2023	0.0011J	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39RZ	0.011	n/a	2/14/2023	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3A	0.06311	n/a	2/17/2023	0.0025ND	No	32	0.03315	0.01155	6.25	None	No	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.0012J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4RZ	0.005	n/a	2/17/2023	0.005ND	No	10	n/a	n/a	70	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-50	0.02262	n/a	2/16/2023	0.0015J	No	27	0.07647	0.02773	14.81	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-50R	0.02138	n/a	2/16/2023	0.0028J	No	16	-5.507	0.5512	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-10	0.006	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-10R	0.007	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.013	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.019	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-12	0.0067	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.005	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13RZ	0.013	n/a	2/22/2023	0.0014J	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14Z	0.0056	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.02	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15Z	0.021	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0054	Yes	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45	0.012	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.0016J	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-49Z	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.07478	n/a	2/20/2023	0.023	No	32	0.1527	0.04654	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-6	0.0069	n/a	2/17/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	11	n/a	n/a	63.64	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.01	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	66.67	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.0028	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.002536	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2R	0.001	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39RZ	0.0011	n/a	2/14/2023	0.001ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39Z	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-40	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41R	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-42	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43R	0.0038	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.001	n/a	2/17/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50	0.001	n/a	2/16/2023	0.001ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.0012	n/a	2/16/2023	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10R	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11R	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13RZ	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-14Z	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.0011	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15Z	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-44	0.001018	n/a	2/14/2023	0.001ND	No	17	0.0004531	0.0001903	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Lead (mg/L)	GWC-45	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	35.29	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-45R	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-47	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-47R	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-48	0.002529	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-49Z	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWC-6	0.001	n/a	2/17/2023	0.001ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.001	n/a	2/17/2023	0.001ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-7Z	0.001	n/a	2/20/2023	0.001ND	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-8RR	0.001	n/a	2/21/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8Z	0.001	n/a	2/20/2023	0.001ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-9	0.0012	n/a	2/21/2023	0.001ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.024	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.02	n/a	2/16/2023	0.005ND	No	31	n/a	n/a	67.74	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.0093	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39RZ	0.0224	n/a	2/14/2023	0.005ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39Z	0.01656	n/a	2/13/2023	0.00095J	No	15	0.1494	0.03401	33.33	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-3A	0.05189	n/a	2/17/2023	0.005ND	No	29	0.02228	0.01125	6.897	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-41	0.0089	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.0013J	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4RZ	0.005	n/a	2/17/2023	0.005ND	No	10	n/a	n/a	80	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.00082J	No	27	n/a	n/a	48.15	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-50R	0.006681	n/a	2/16/2023	0.00081J	No	16	0.0445	0.01236	6.25	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-10	0.032	n/a	2/20/2023	0.0019J	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-10R	0.006	n/a	2/20/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0087	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.005	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	93.94	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.029	n/a	2/21/2023	0.0022J	No	33	n/a	n/a	39.39	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-13	0.015	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	31	n/a	n/a	80.65	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-14Z	0.011	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.0096	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	59.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15Z	0.019	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.00073J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.00092J	No	16	n/a	n/a	6.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.004J	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	2/14/2023	0.0058	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-49Z	0.007304	n/a	2/14/2023	0.0018J	No	16	0.003263	0.001341	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-5	0.06412	n/a	2/20/2023	0.0087	No	33	0.14	0.04382	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-6	0.022	n/a	2/17/2023	0.005ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	11	n/a	n/a	36.36	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.014	n/a	2/21/2023	0.001J	No	31	n/a	n/a	35.48	n/a	n/a	0.001905	NP Intra (normality) 1 of 2
Selenium (mg/L)	GWA-2	0.005	n/a	2/16/2023	0.0014J	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2R	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13	0.0074	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-14Z	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-44	0.007965	n/a	2/14/2023	0.005ND	No	17	0.003736	0.001425	41.18	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Selenium (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-5	0.0072	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-8Z	0.0089	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	2/21/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.005ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.004422	n/a	2/16/2023	0.0011J	No	27	0.002051	0.0008896	29.63	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Silver (mg/L)	GWC-12	0.005	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.01	n/a	2/16/2023	0.01ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.01	n/a	2/16/2023	0.01ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-39RZ	0.01	n/a	2/14/2023	0.01ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-3A	0.01	n/a	2/17/2023	0.01ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43R	0.01	n/a	2/13/2023	0.01ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4RZ	0.01	n/a	2/17/2023	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.01	n/a	2/16/2023	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-10	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.01	n/a	2/20/2023	0.01ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.01	n/a	2/21/2023	0.0034J	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.01	n/a	2/22/2023	0.0019J	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13RZ	0.011	n/a	2/22/2023	0.01ND	No	30	n/a	n/a	70	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14Z	0.012	n/a	2/22/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15R	0.01	n/a	2/22/2023	0.01ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15Z	0.012	n/a	2/22/2023	0.01ND	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-45	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-47R	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-6	0.01	n/a	2/17/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.01	n/a	2/21/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8Z	0.01	n/a	2/20/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.01	n/a	2/21/2023	0.003J	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.02	n/a	2/16/2023	0.02ND	No	30	n/a	n/a	33.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-2	0.027	n/a	2/16/2023	0.02ND	No	31	n/a	n/a	51.61	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-2R	0.02	n/a	2/16/2023	0.02ND	No	32	n/a	n/a	50	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-39RZ	0.02	n/a	2/14/2023	0.02ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-39Z	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-3A	0.1542	n/a	2/17/2023	0.02ND	No	32	0.2389	0.05929	9.375	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-40	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41R	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-42	0.01923	n/a	2/13/2023	0.011J	No	16	0.1016	0.0123	31.25	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-43	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-43R	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-4RZ	0.02	n/a	2/17/2023	0.02ND	No	10	n/a	n/a	60	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-50	0.02	n/a	2/16/2023	0.02ND	No	26	n/a	n/a	34.62	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-50R	0.02	n/a	2/16/2023	0.02ND	No	23	n/a	n/a	34.78	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.05529	n/a	2/20/2023	0.02ND	No	33	0.1855	0.07566	36.36	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-10R	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	45.45	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11R	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-12	0.1057	n/a	2/21/2023	0.01ND	No	33	-4.54	0.8876	12.12	None	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-13	0.02243	n/a	2/22/2023	0.02ND	No	29	0.00862	0.005244	31.03	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2

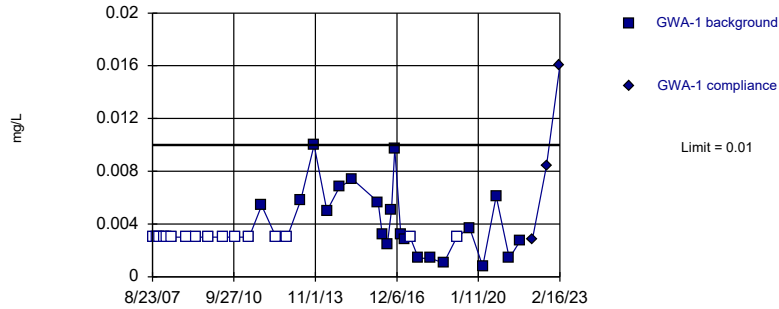
Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-13RZ	0.02	n/a	2/22/2023	0.02ND	No	29	n/a	n/a	34.48	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-14Z	0.02	n/a	2/22/2023	0.02ND	No	28	n/a	n/a	35.71	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-15R	0.01505	n/a	2/22/2023	0.02ND	No	31	-5.351	0.4432	22.58	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-15Z	0.025	n/a	2/22/2023	0.02ND	No	29	n/a	n/a	48.28	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-44	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	31.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45R	0.01378	n/a	2/14/2023	0.02ND	No	16	-5.474	0.3946	31.25	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-46R	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-47	0.06114	n/a	2/14/2023	0.05	No	17	0.02981	0.01056	11.76	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-47R	0.04226	n/a	2/14/2023	0.031	No	16	0.01744	0.008235	12.5	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-48	0.02	n/a	2/14/2023	0.011J	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-49R	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-49Z	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-5	0.07406	n/a	2/20/2023	0.032	No	14	0.03902	0.01099	7.143	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-6	0.021	n/a	2/17/2023	0.02ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-6RZ	0.02	n/a	2/17/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-7Z	0.02	n/a	2/20/2023	0.02ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8RR	0.02	n/a	2/21/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8Z	0.02	n/a	2/20/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.02176	n/a	2/21/2023	0.02ND	No	29	0.07971	0.02575	24.14	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

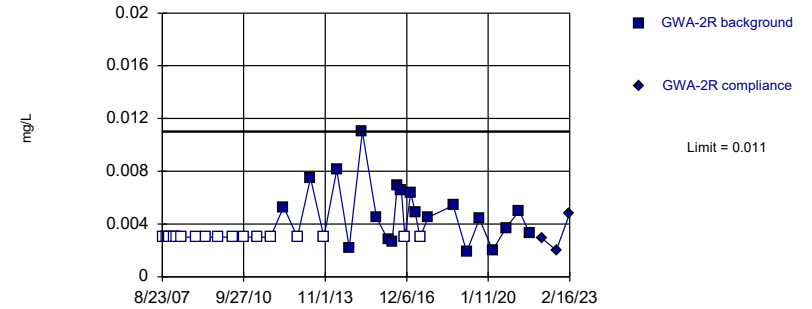


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 43.24% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

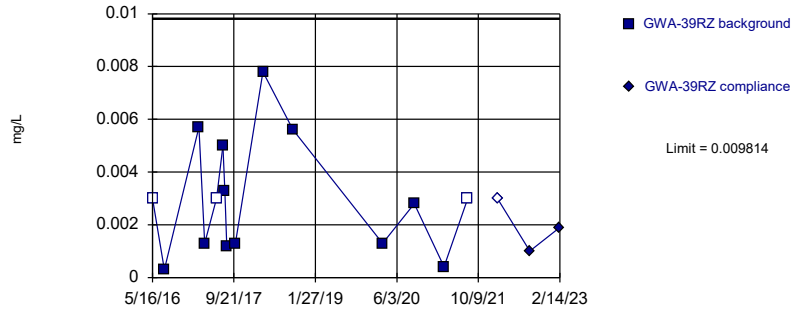


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 45.95% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

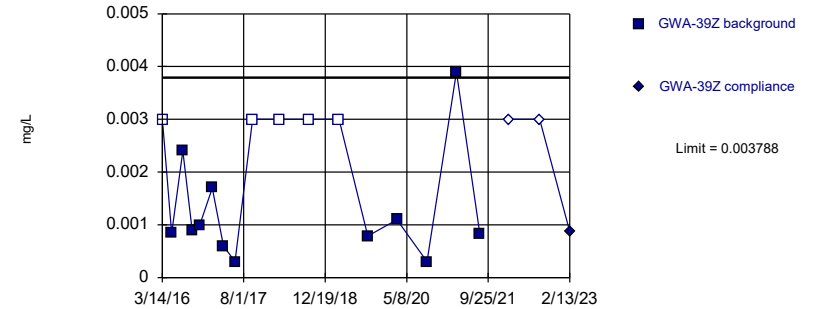


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00252, Std. Dev.=0.002352, n=15, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.914, critical = 0.835. Kappa = 3.102 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

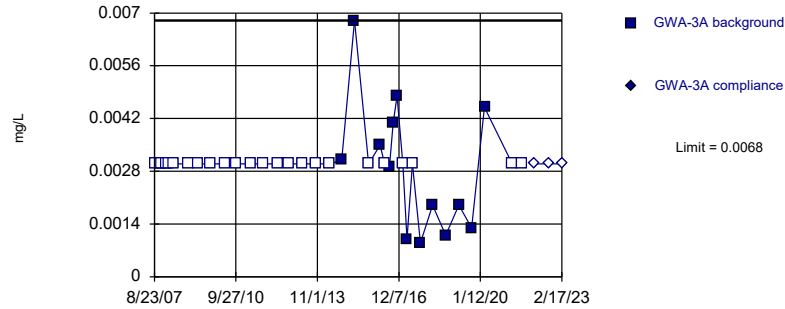


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00115, Std. Dev.=0.0008886, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.863, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

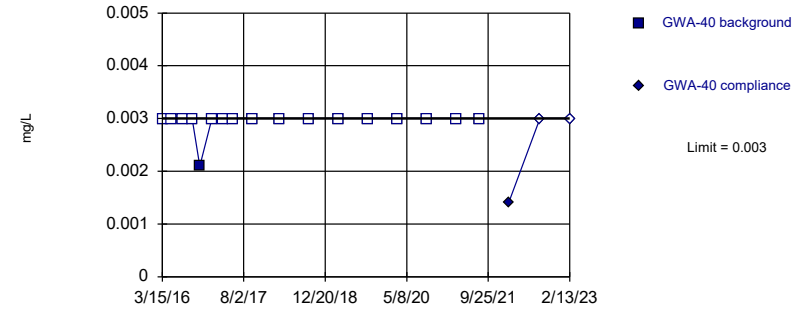


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 64.86% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

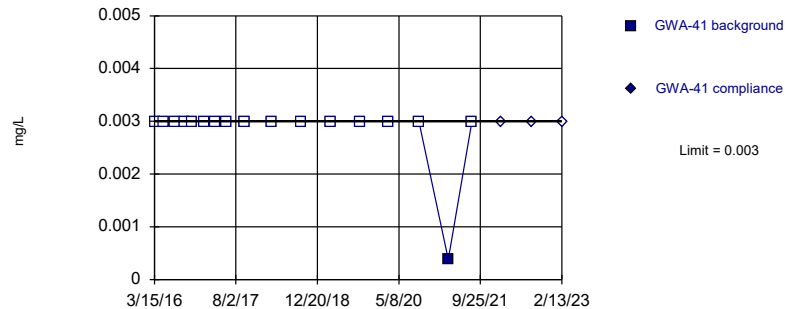


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

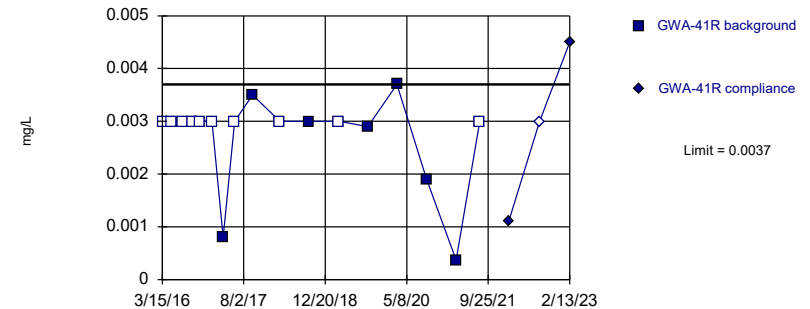


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

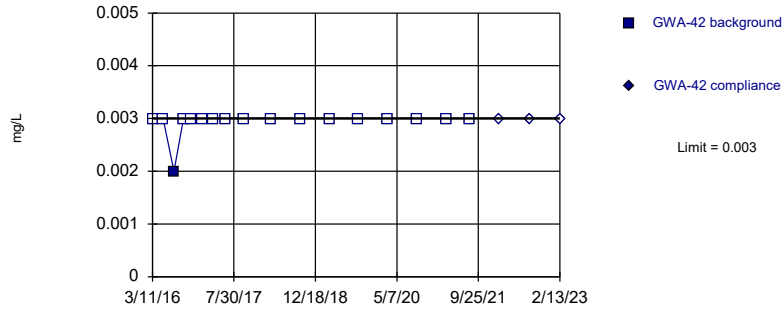


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

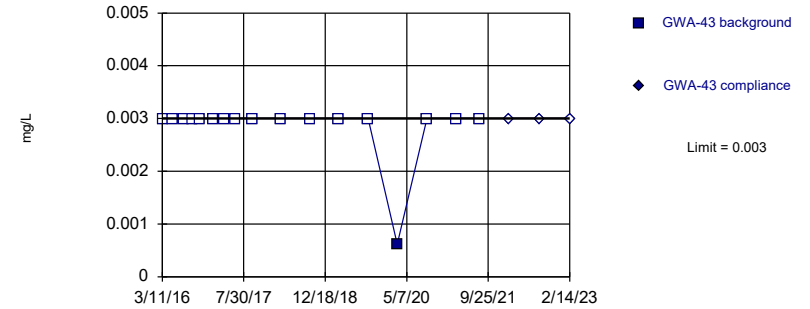


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

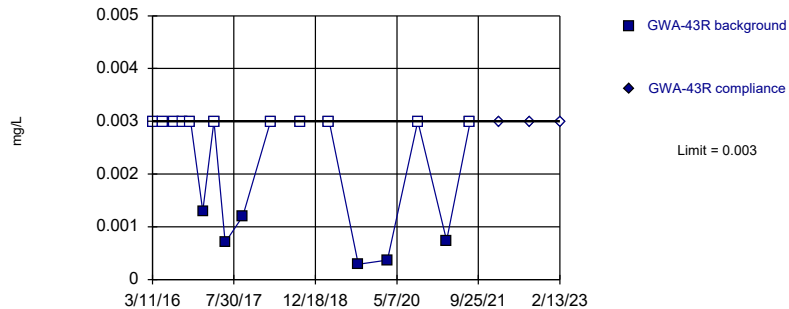


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

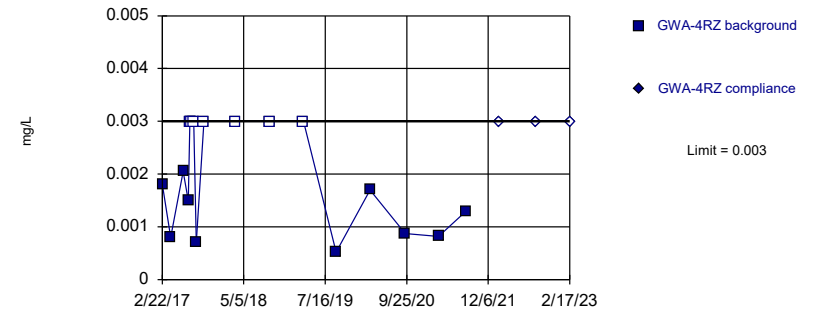


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

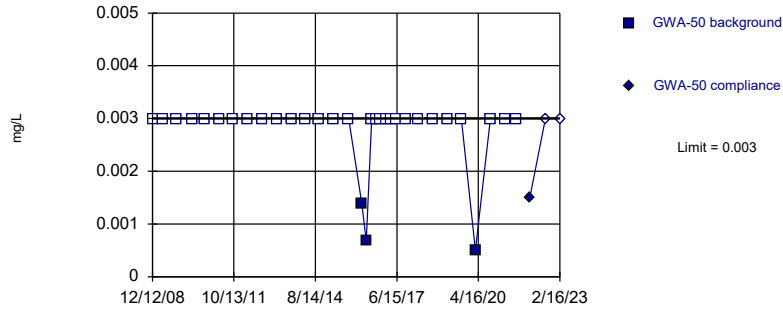


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

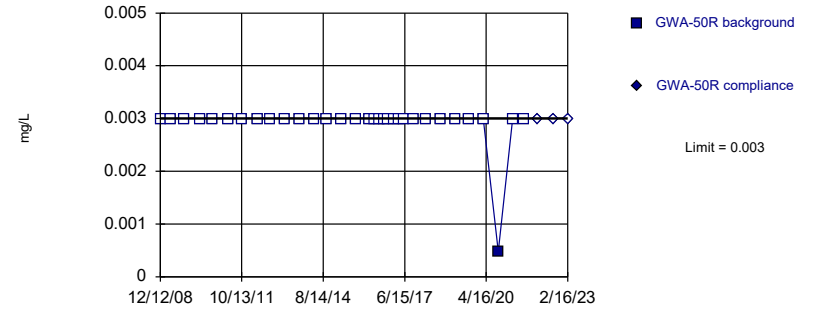


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

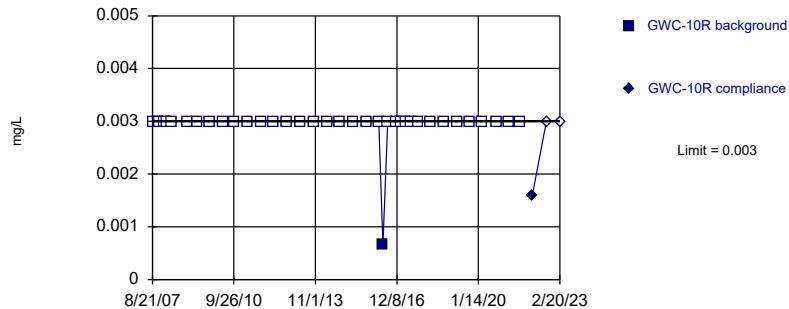


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

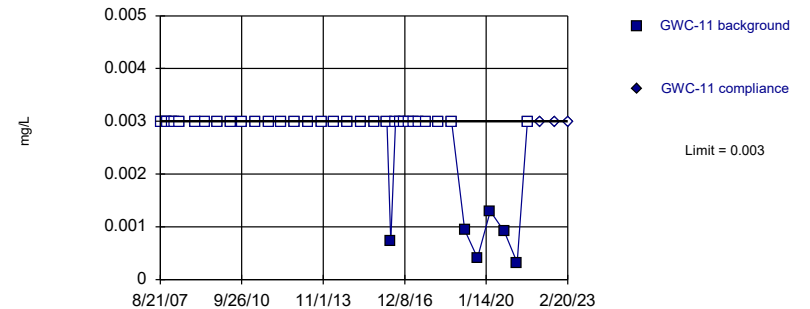


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

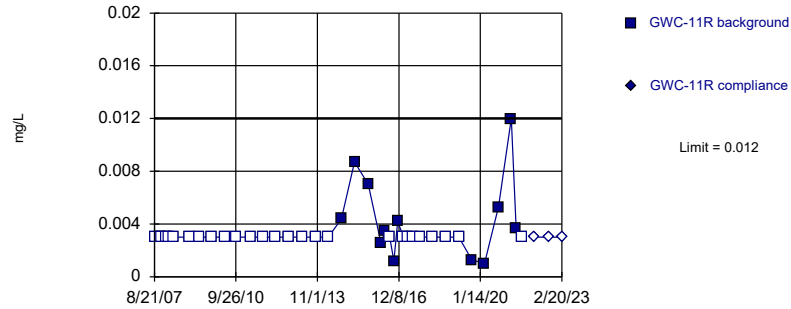


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

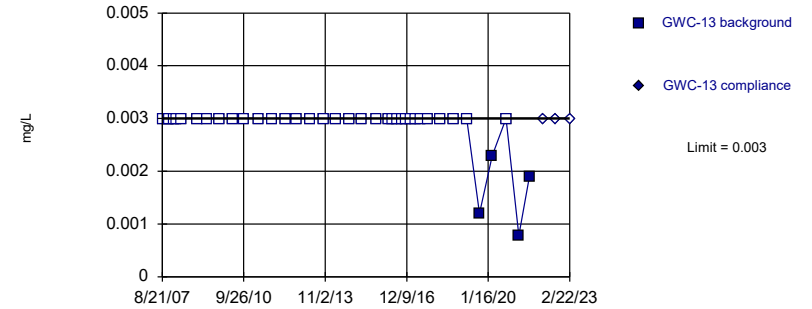


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.002451. Individual comparison alpha = 0.001226 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

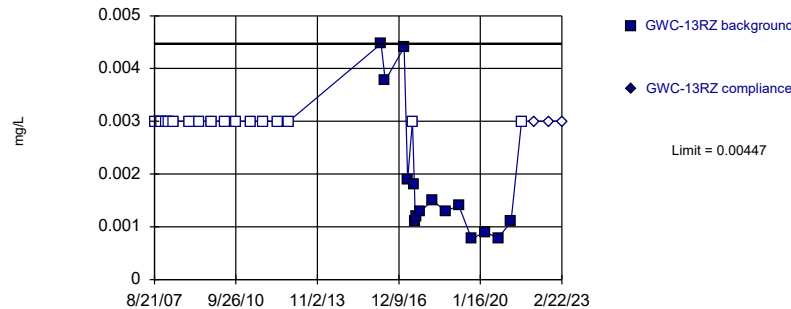


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

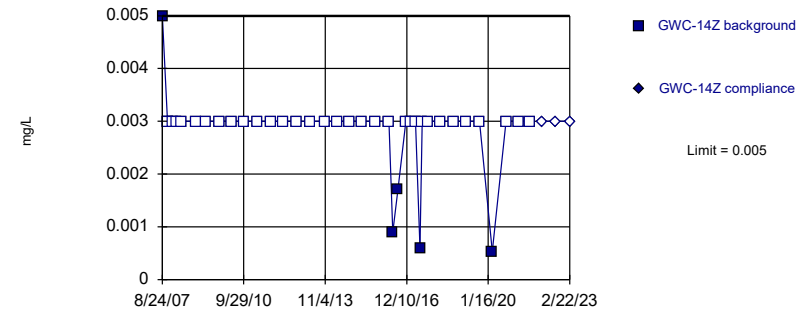


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

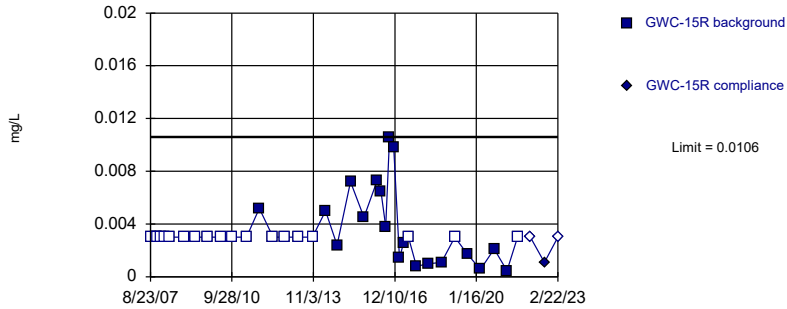


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

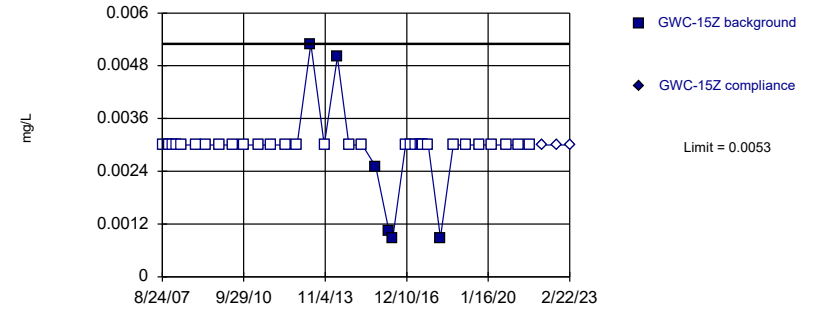


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. 50% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

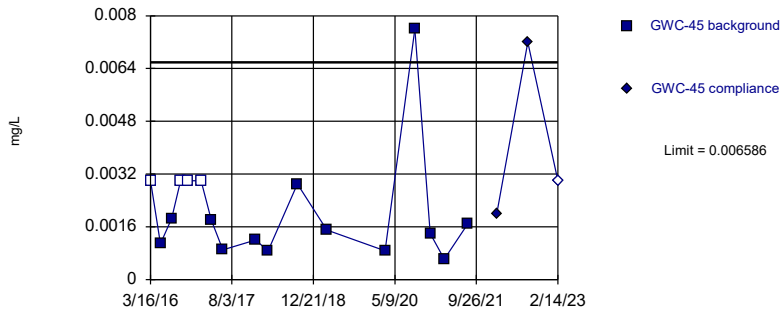


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

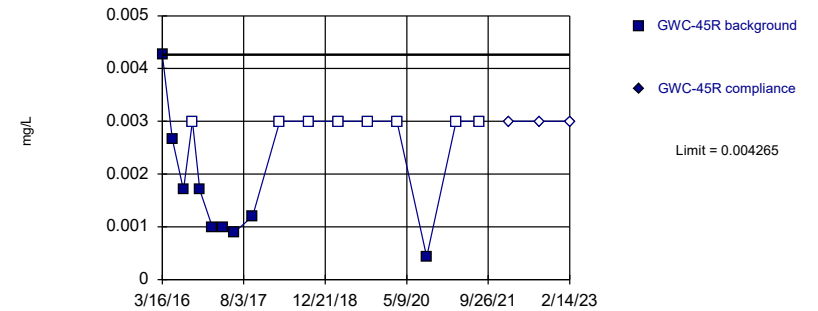


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03948, Std. Dev.=0.01404, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8653, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

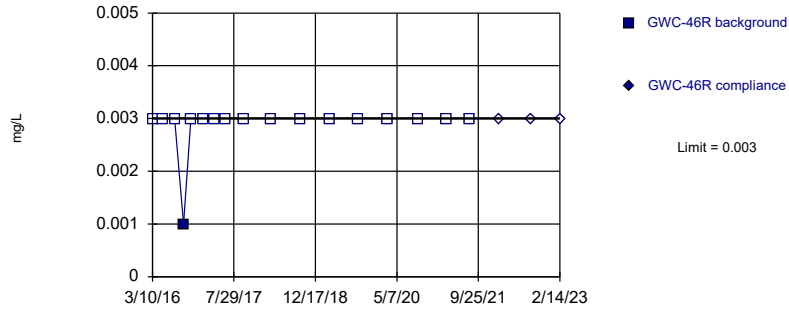


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001357, Std. Dev.=0.0009798, n=17, 47.06% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8661, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

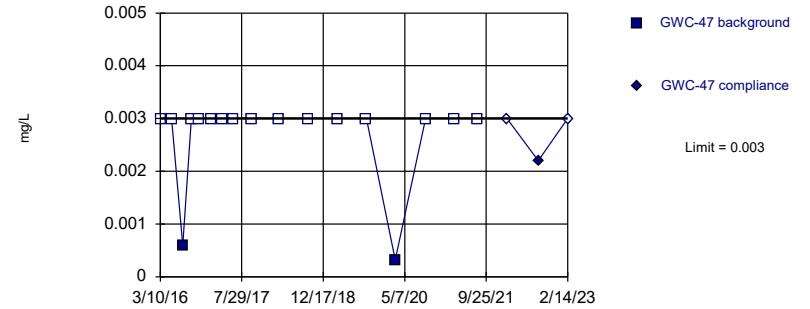


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

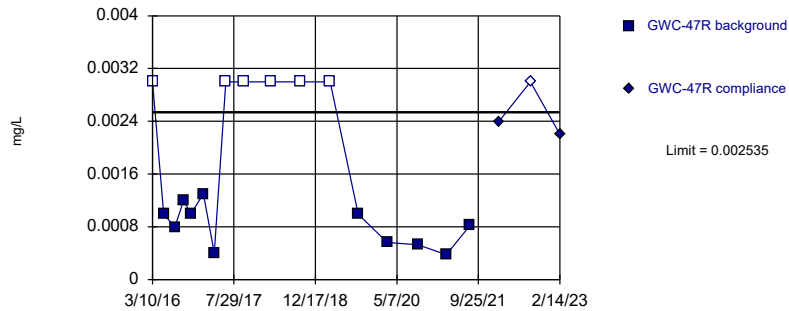


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

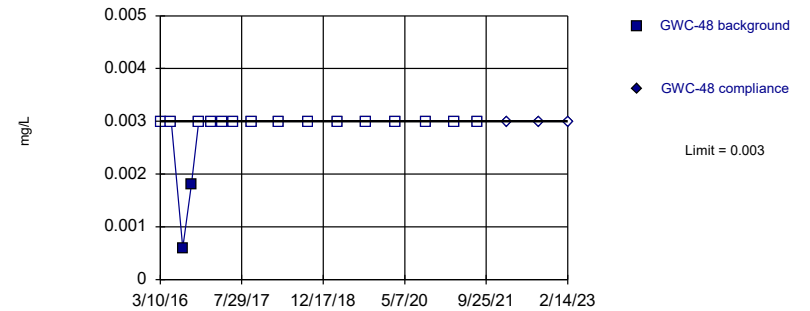


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-7.189, Std. Dev.=0.4083, n=17, 35.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8689, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

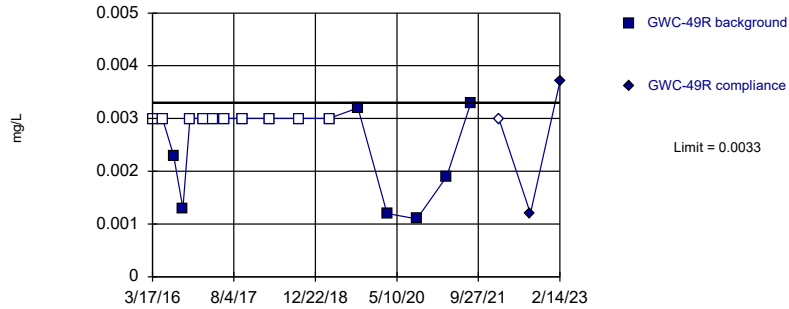


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

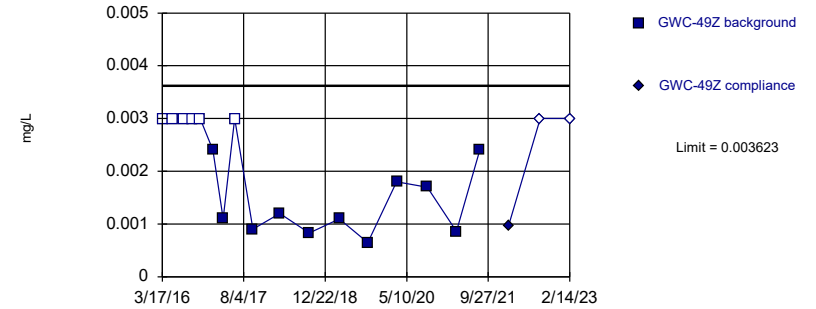


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

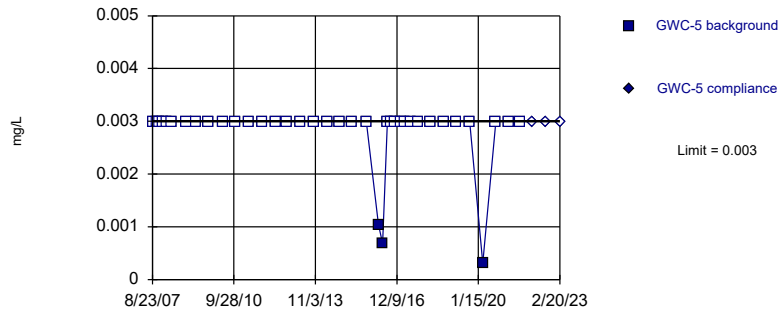


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.797, Std. Dev.=0.3965, n=17, 35.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8546, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

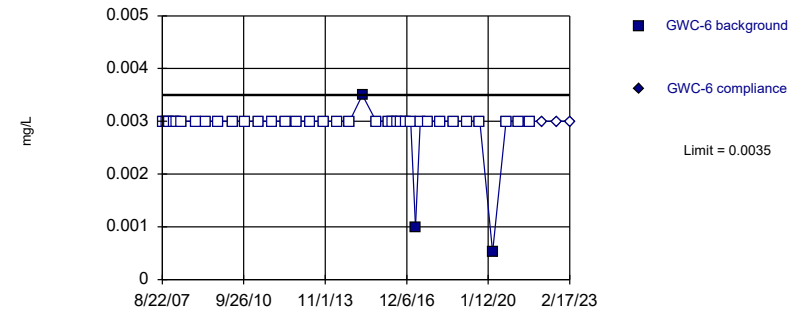


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

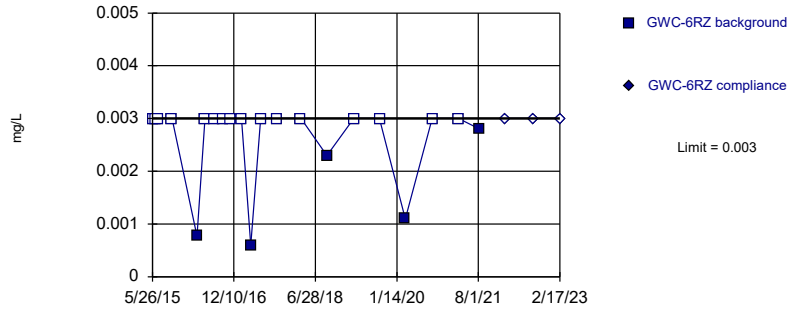


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

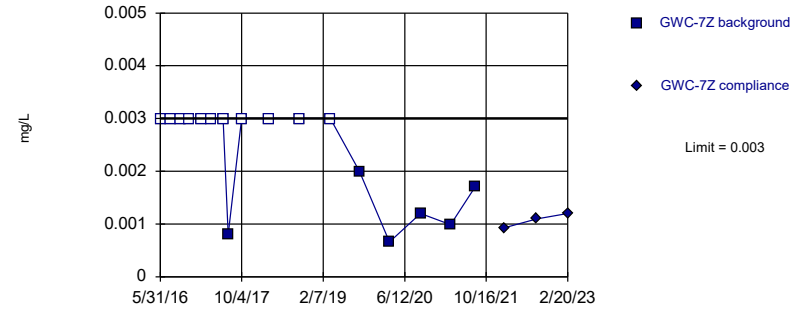


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

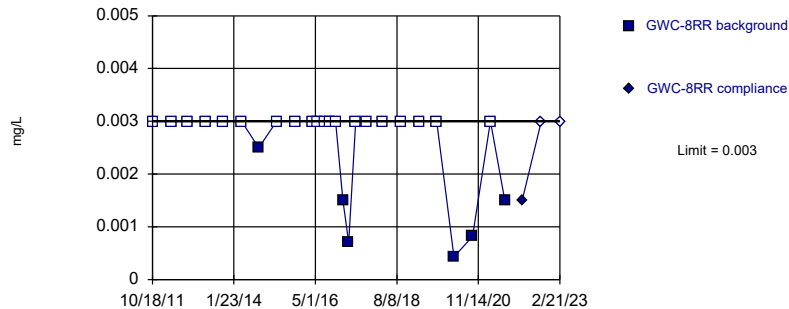


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

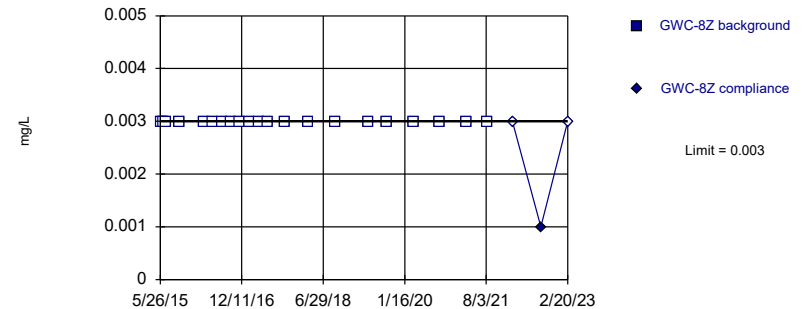


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

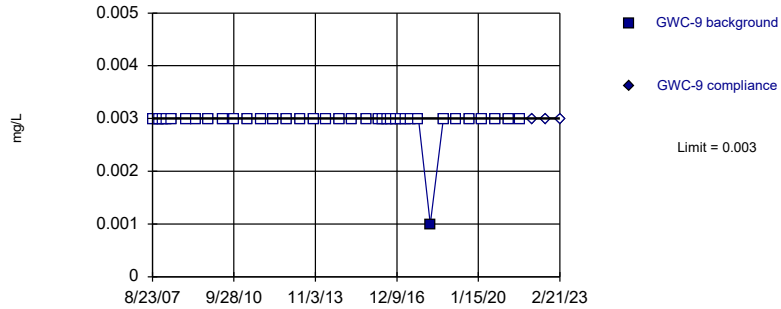


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 21) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

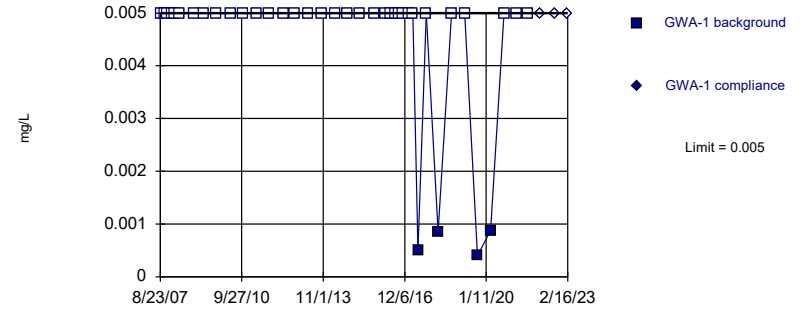


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

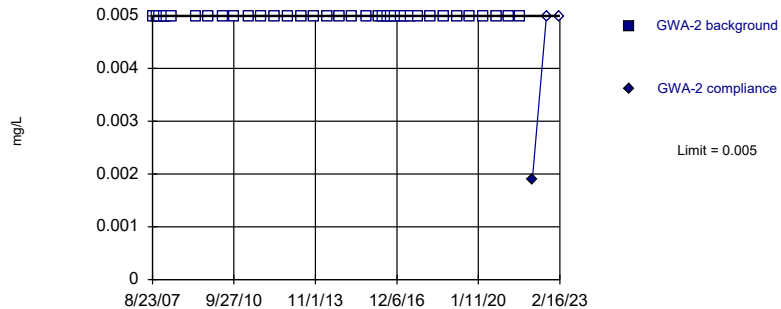


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

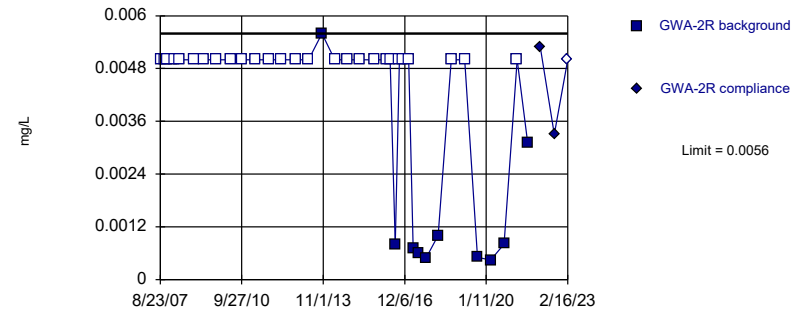


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

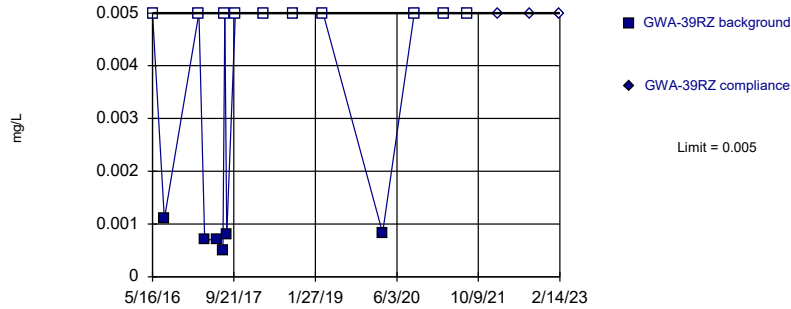


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

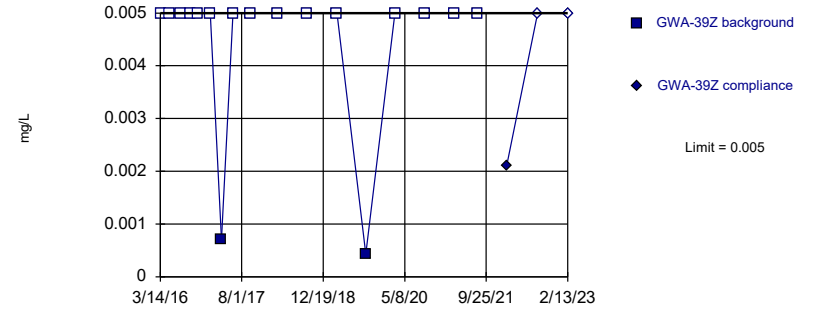


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

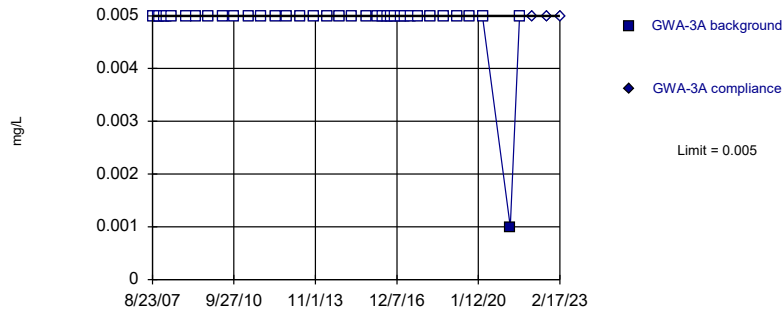


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

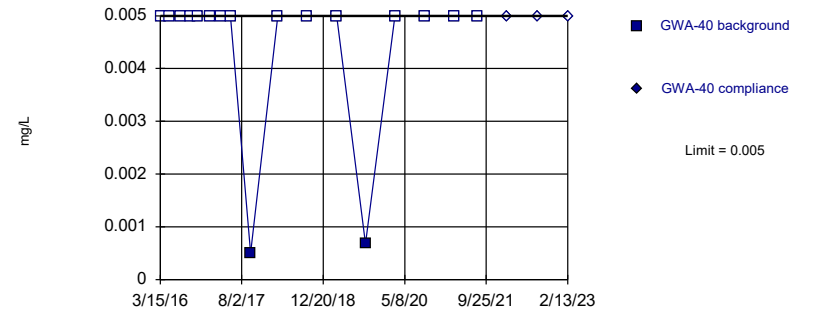


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

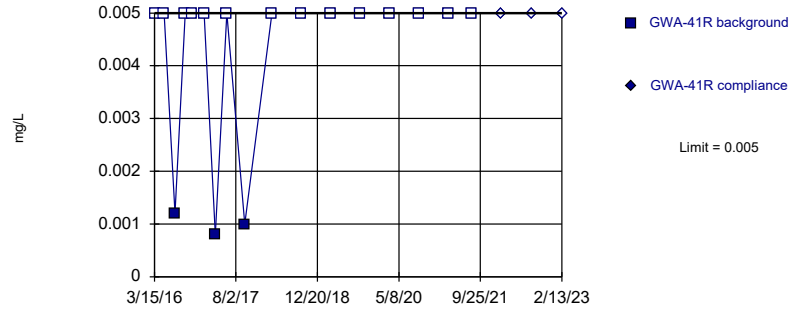


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

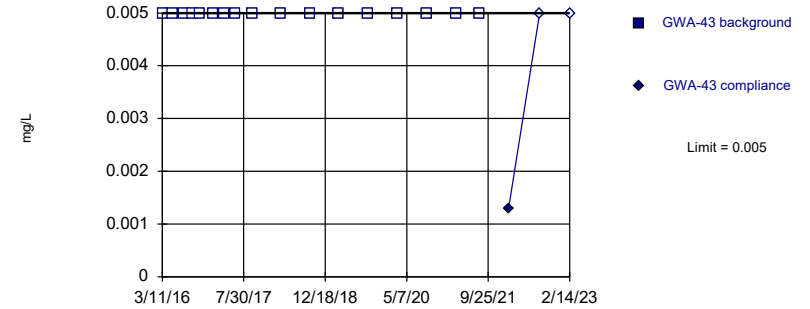


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

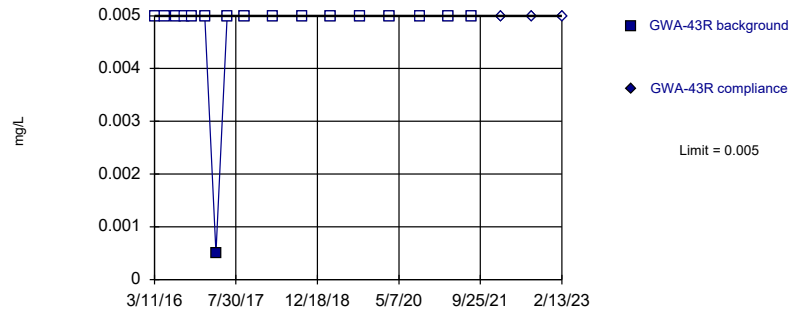


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

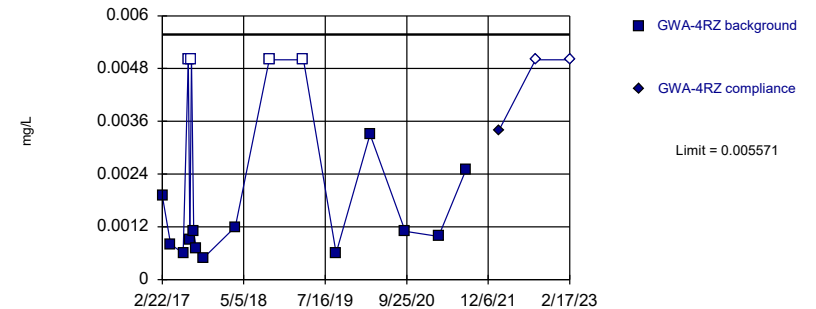


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

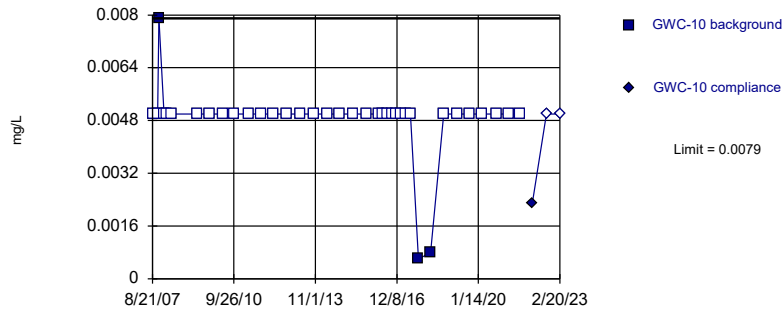


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.903, Std. Dev.=0.5772, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8784, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

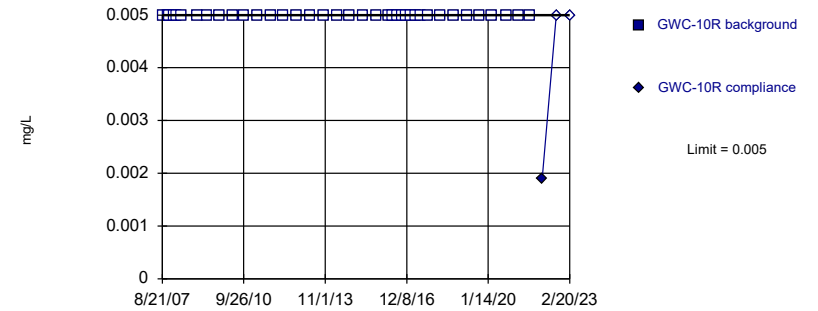


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

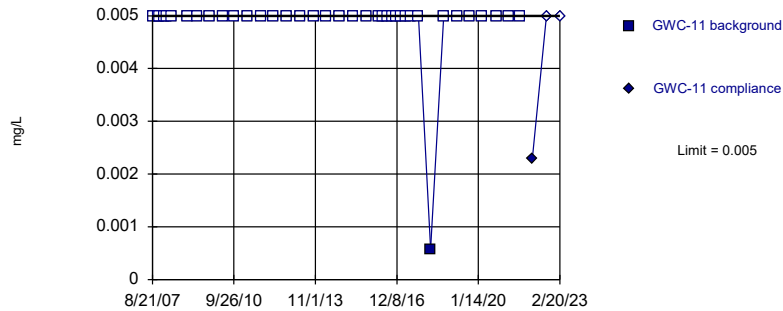


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 38) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

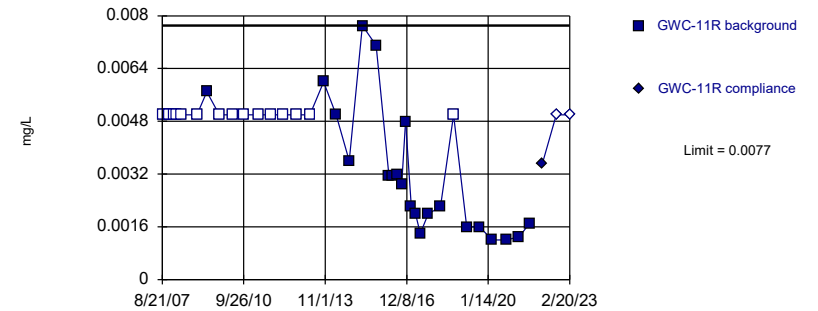


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

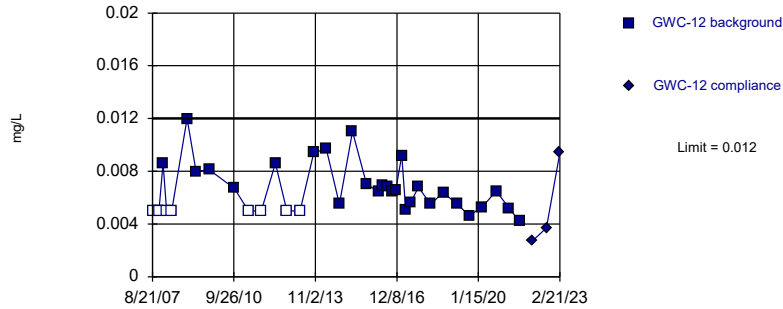


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. 42.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

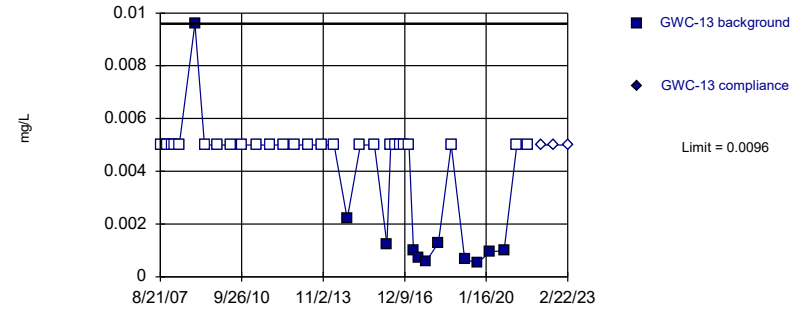


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 24.32% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

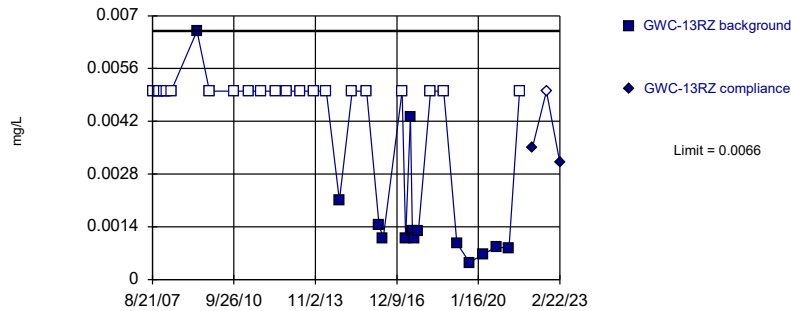


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

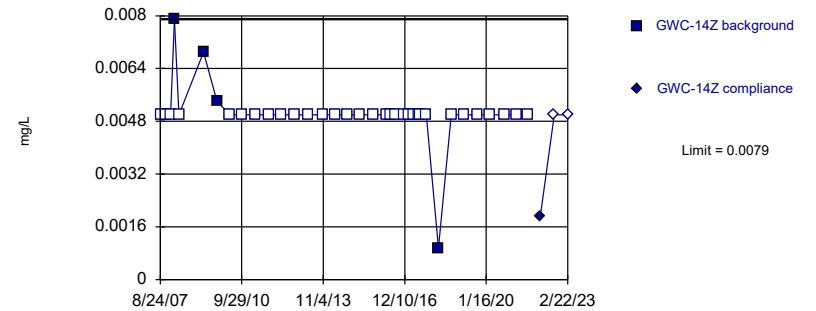


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

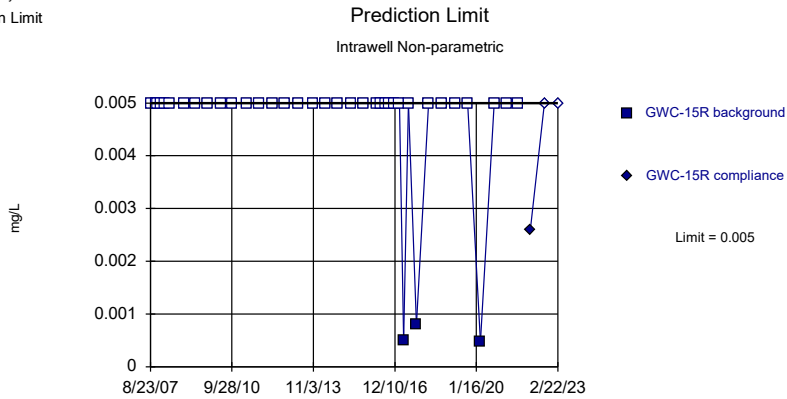
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 89.19% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

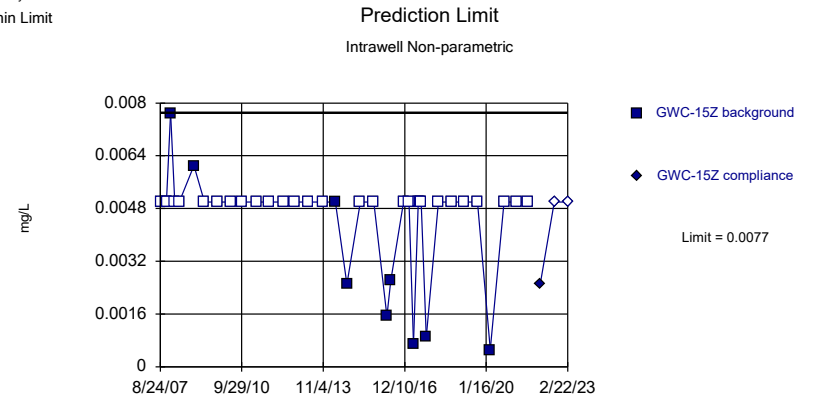
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

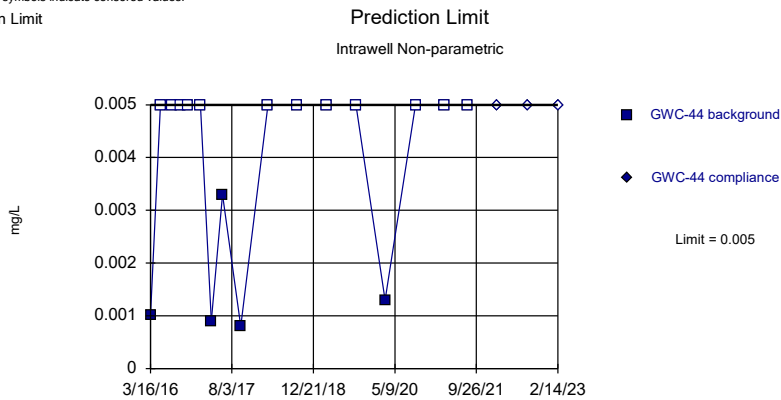
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 76.32% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

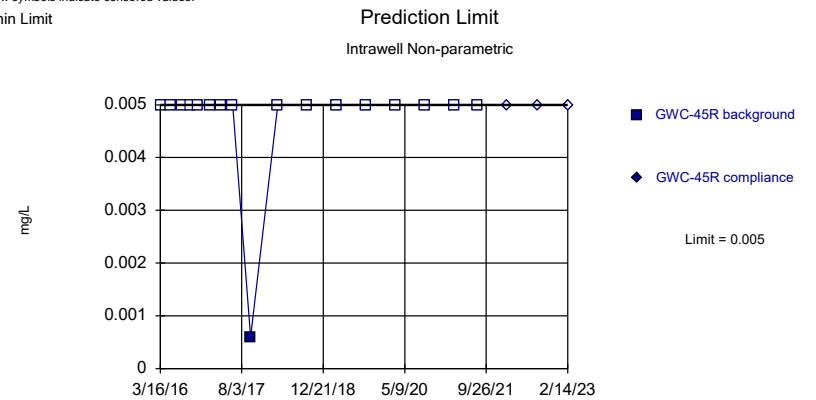
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

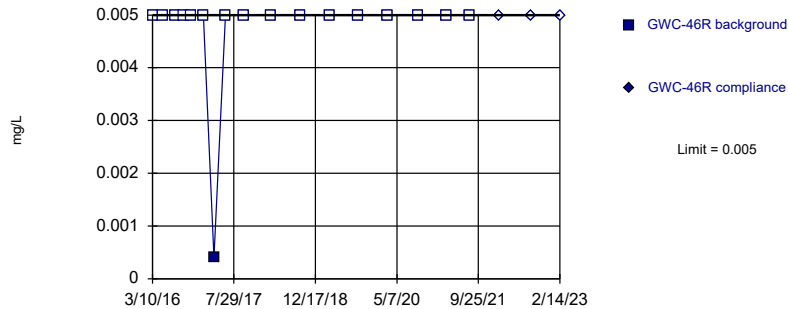


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

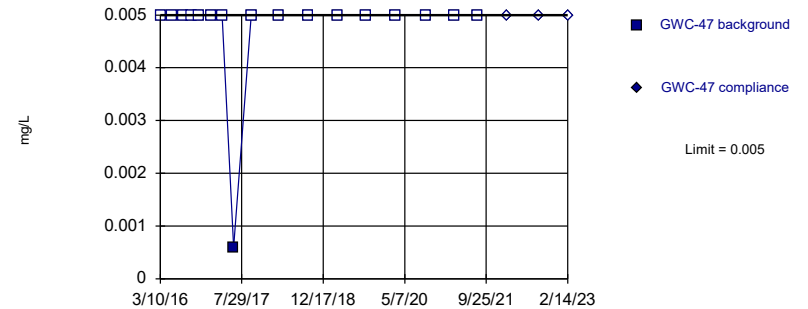


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

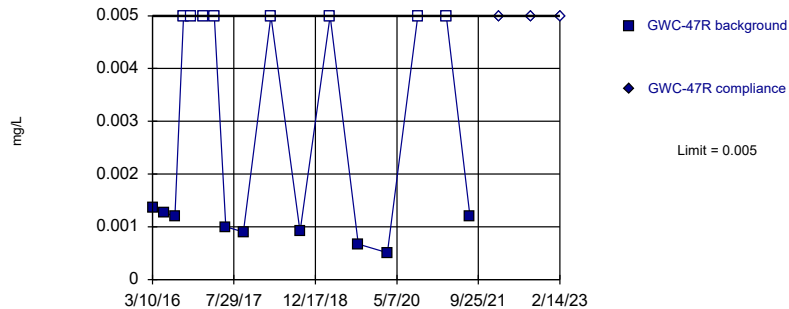


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

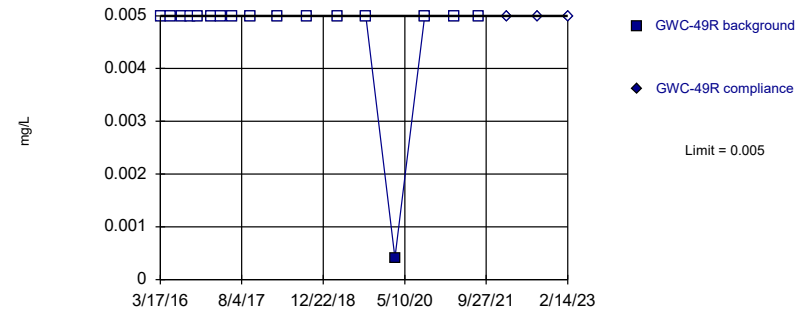


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 47.06% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

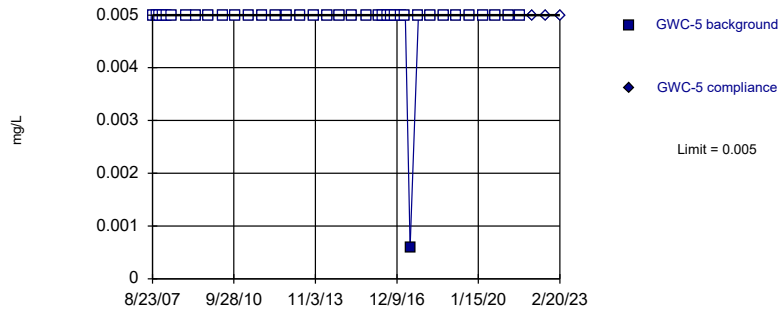


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

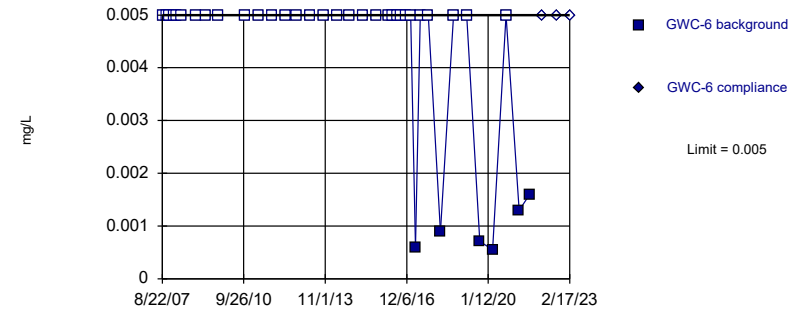


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

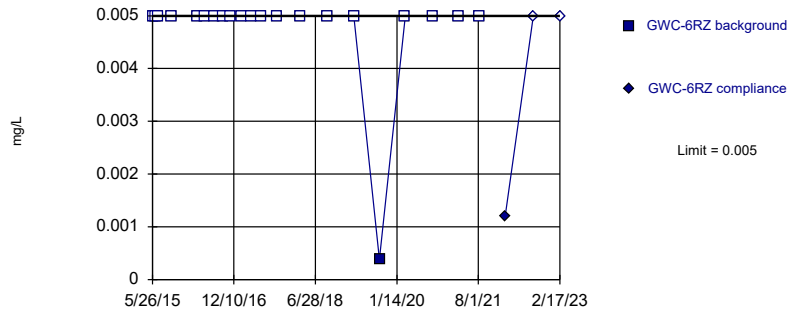


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

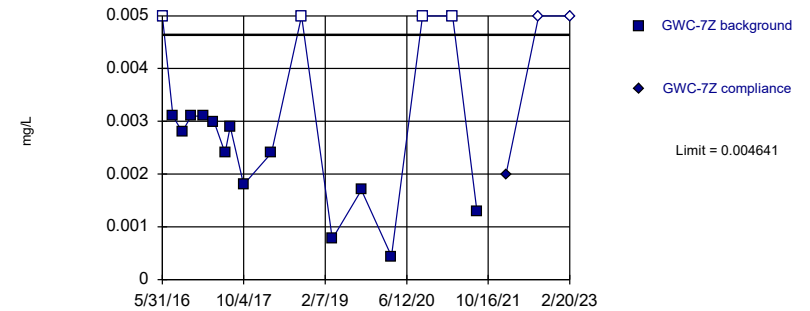


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

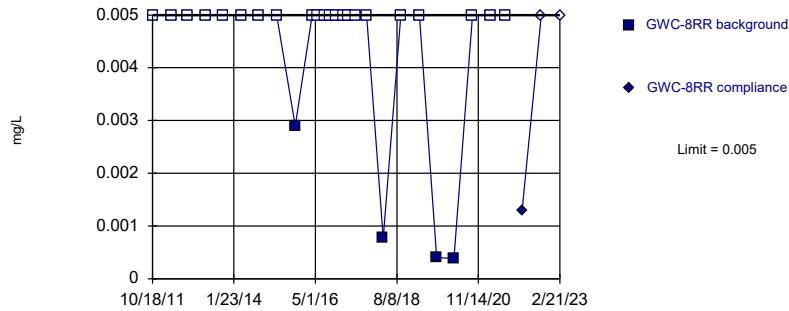


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001929, Std. Dev.=0.0009137, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9139, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

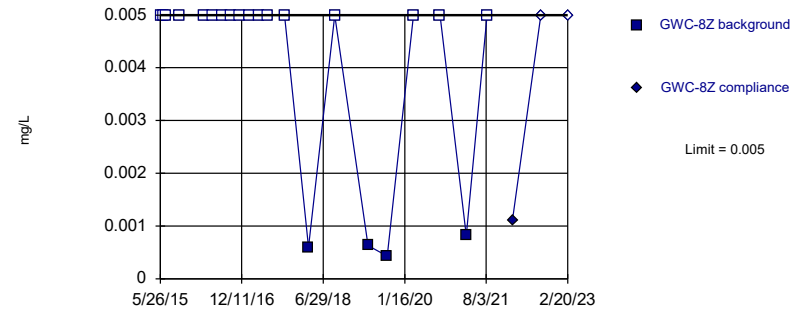


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

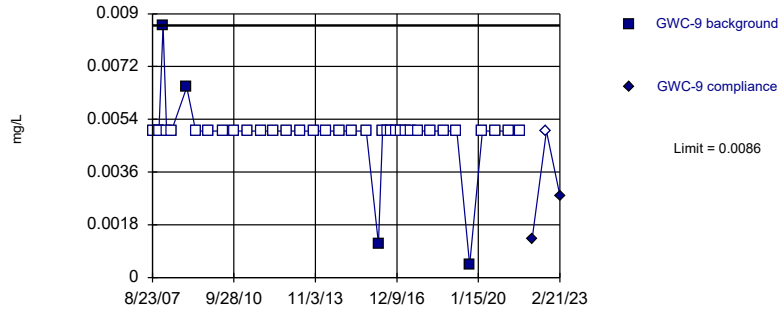


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

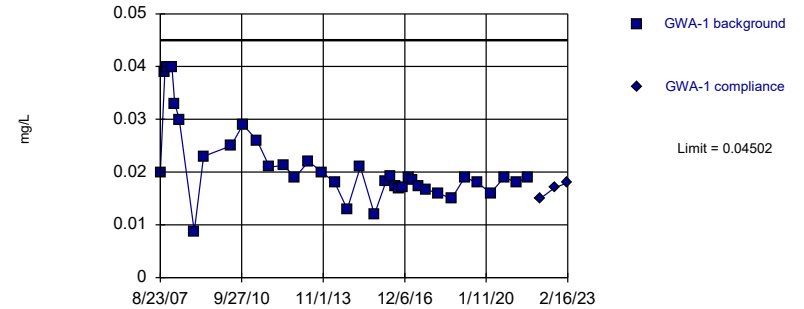


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

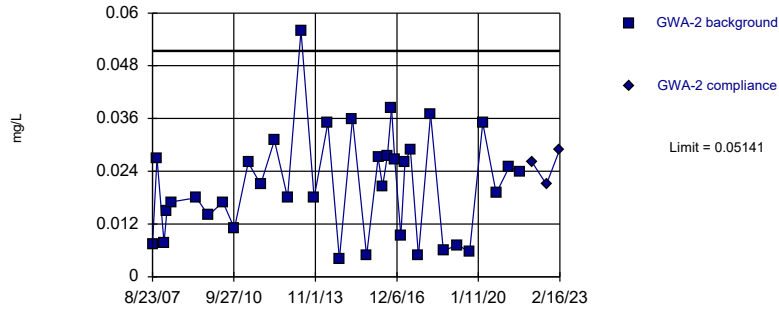


Background Data Summary (based on natural log transformation): Mean=-3.909, Std. Dev.=0.3174, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9284, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

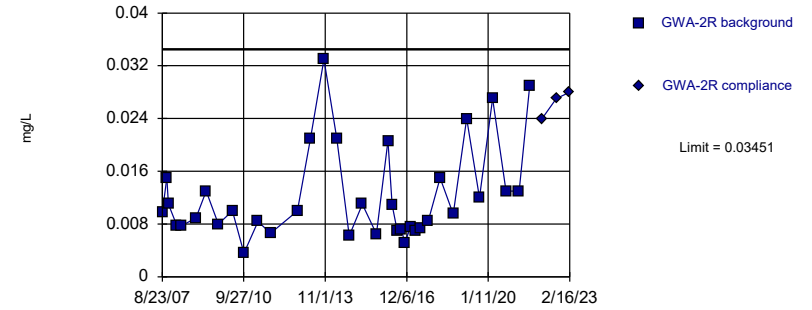


Background Data Summary: Mean=0.0209, Std. Dev.=0.01195, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

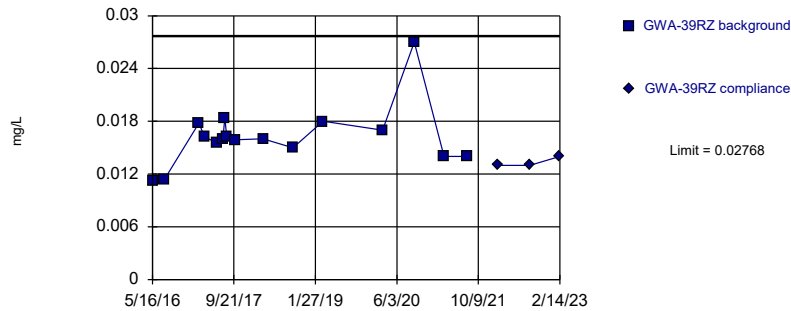


Background Data Summary (based on cube root transformation): Mean=0.2237, Std. Dev.=0.03988, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9207, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

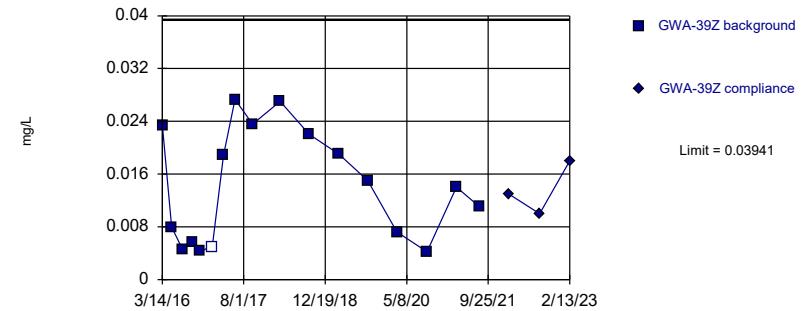


Background Data Summary (based on square root transformation): Mean=0.01268, Std. Dev.=0.01313, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.862, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

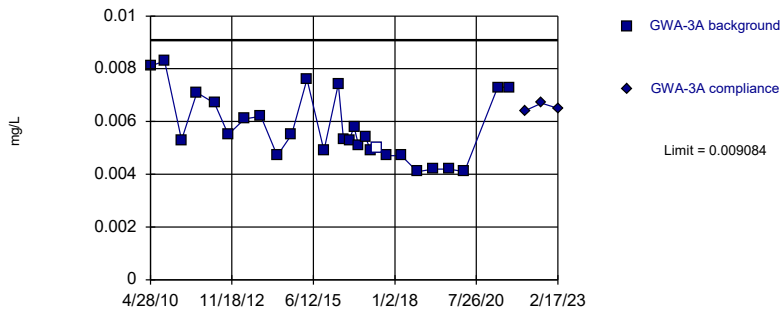


Background Data Summary: Mean=0.01411, Std. Dev.=0.008521, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8893, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

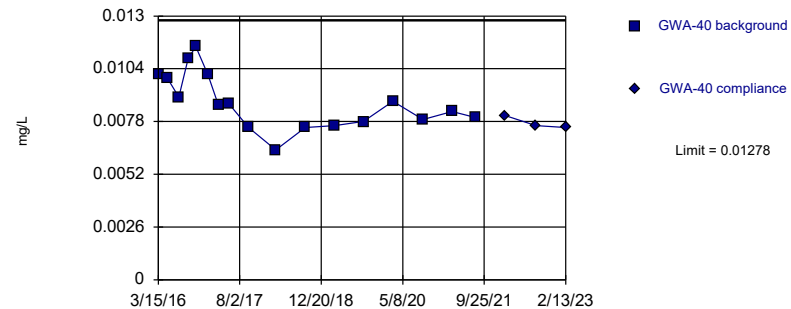


Background Data Summary: Mean=0.005744, Std. Dev.=0.001261, n=28, 3.571% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9146, critical = 0.896. Kappa = 2.649 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

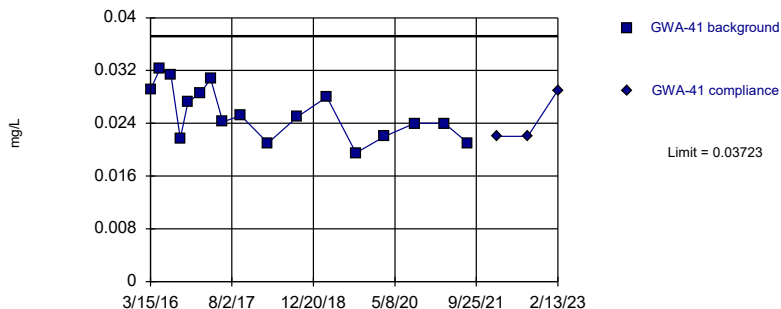


Background Data Summary: Mean=0.008742, Std. Dev.=0.001361, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

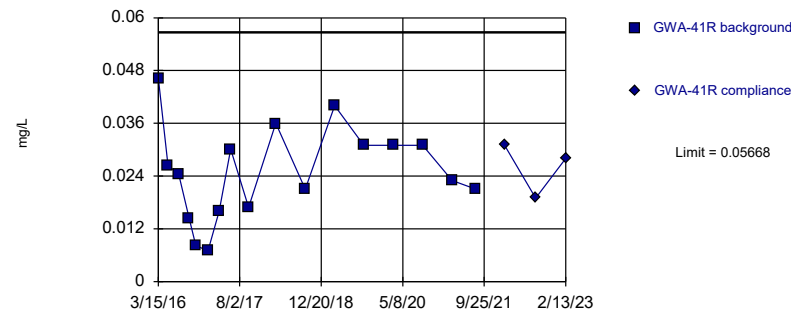


Background Data Summary: Mean=0.02557, Std. Dev.=0.003928, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9521, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

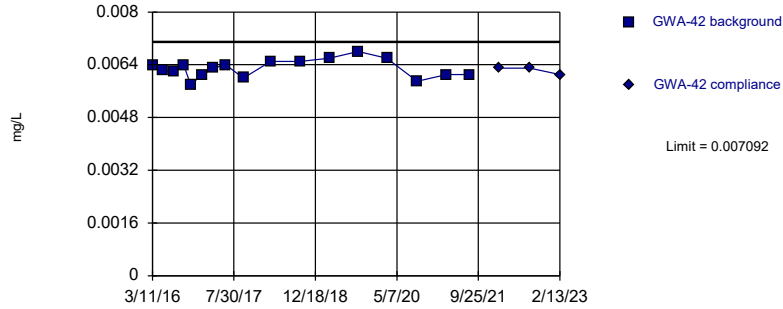


Background Data Summary: Mean=0.02492, Std. Dev.=0.0107, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9803, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

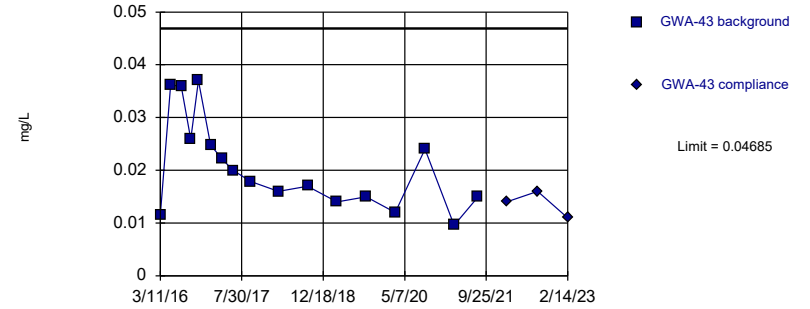


Background Data Summary: Mean=0.006289, Std. Dev.=0.0002707, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9814, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

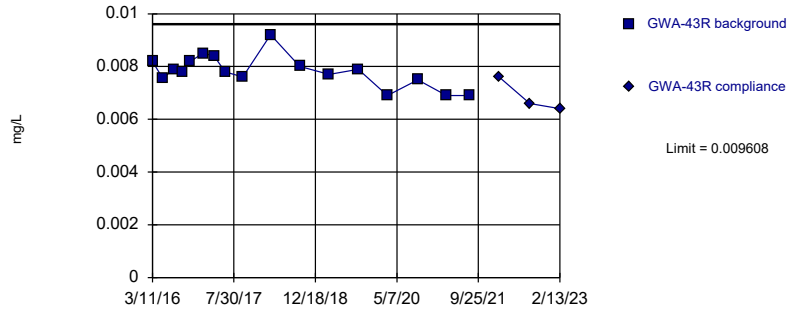


Background Data Summary: Mean=0.02083, Std. Dev.=0.008765, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8935, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

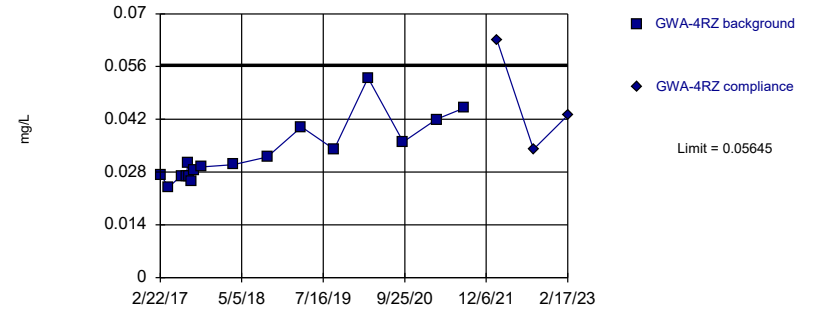


Background Data Summary: Mean=0.007821, Std. Dev.=0.0006022, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9477, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

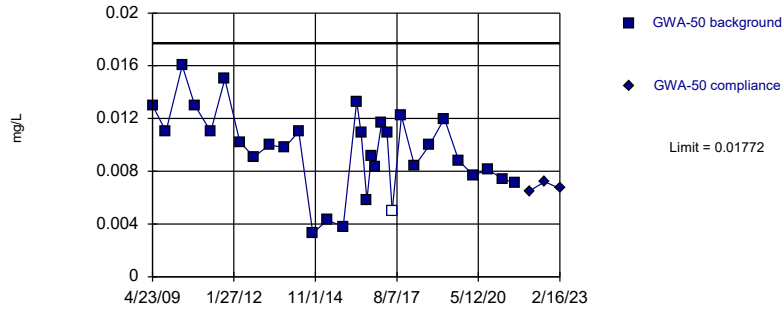


Background Data Summary: Mean=0.03282, Std. Dev.=0.00796, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8669, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

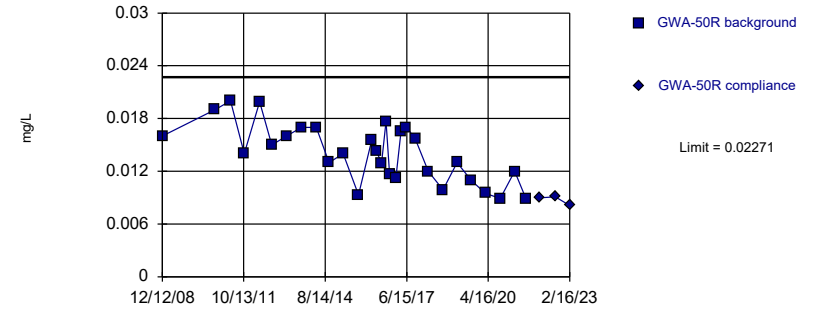


Background Data Summary: Mean=0.00959, Std. Dev.=0.00312, n=31, 3.226% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9775, critical = 0.902. Kappa = 2.606 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

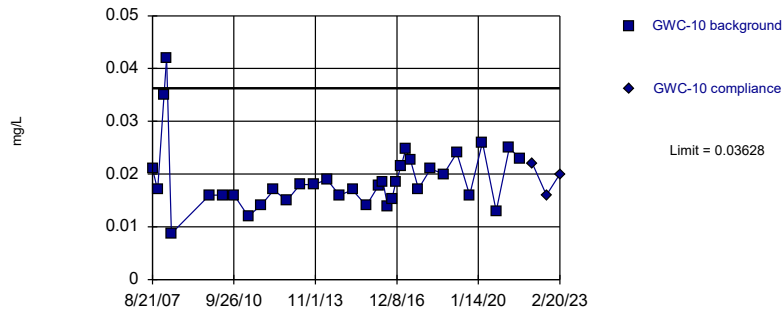


Background Data Summary: Mean=0.01407, Std. Dev.=0.00328, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9579, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

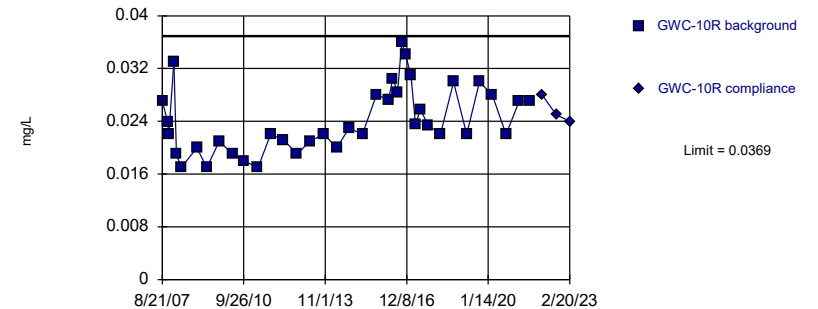


Background Data Summary (based on square root transformation): Mean=0.1368, Std. Dev.=0.02096, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9225, critical = 0.91. Kappa = 2.562 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

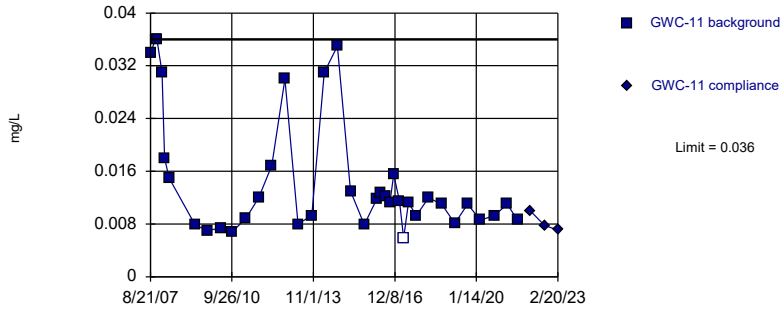


Background Data Summary: Mean=0.02421, Std. Dev.=0.005, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9413, critical = 0.916. Kappa = 2.538 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

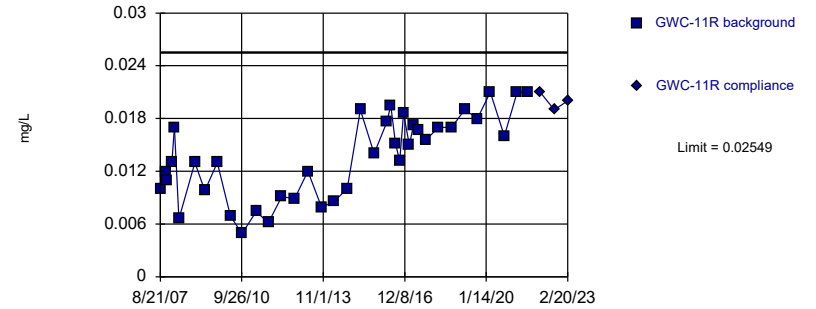


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 2.703% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

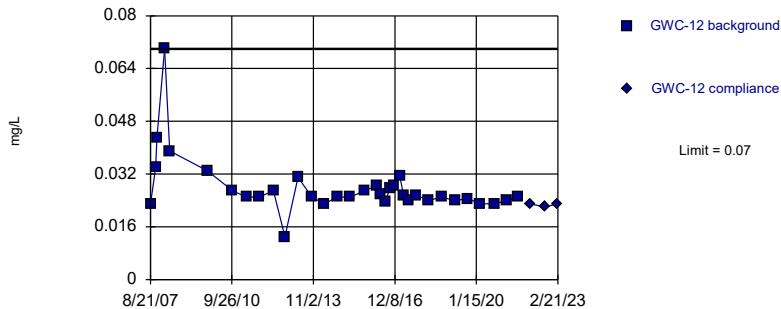


Background Data Summary: Mean=0.01365, Std. Dev.=0.004665, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9474, critical = 0.916. Kappa = 2.538 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

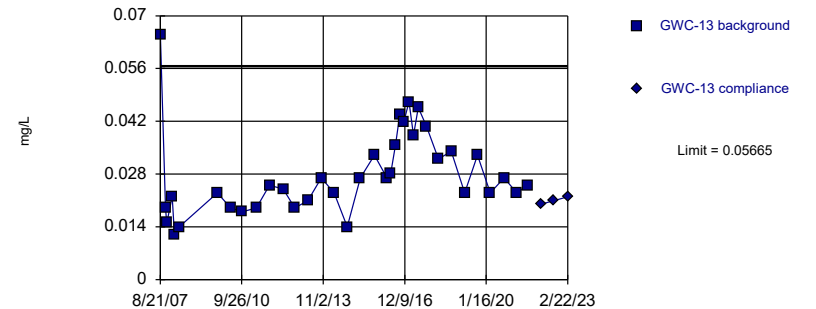


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 34 background values. Well-constituent pair annual alpha = 0.003195. Individual comparison alpha = 0.001599 (1 of 2).

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

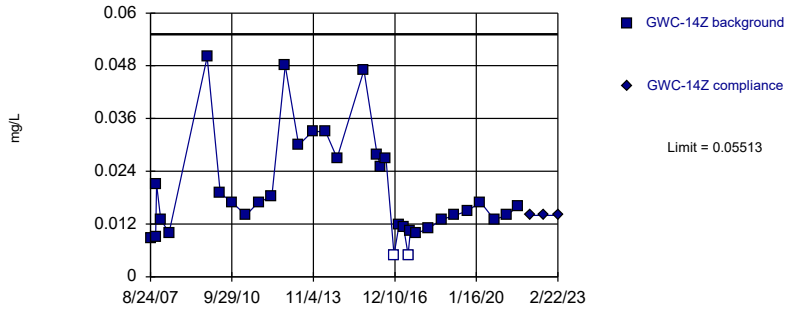


Background Data Summary: Mean=0.02799, Std. Dev.=0.01122, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9139, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

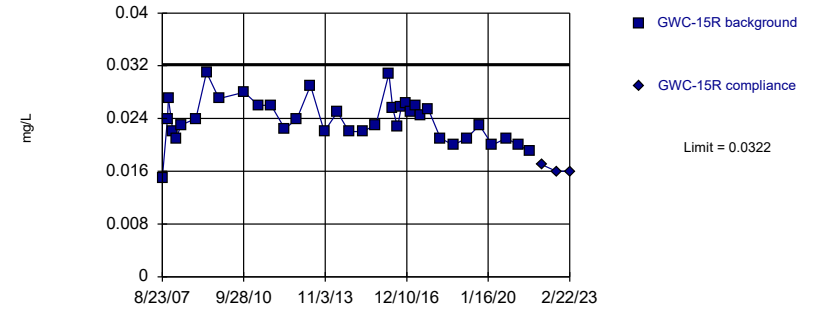


Background Data Summary (based on square root transformation): Mean=0.134, Std. Dev.=0.03917, n=34, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9272, critical = 0.908. Kappa = 2.573 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

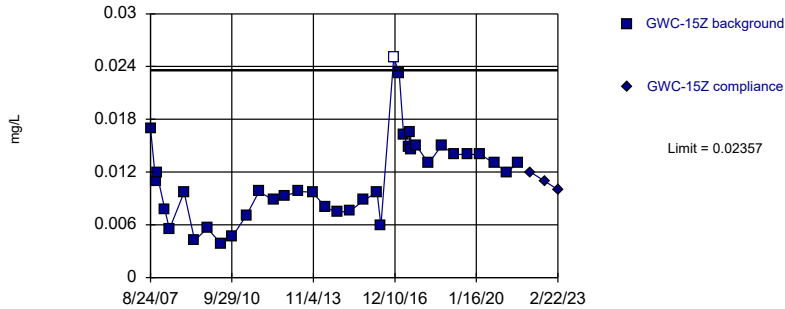


Background Data Summary: Mean=0.02379, Std. Dev.=0.003303, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9802, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

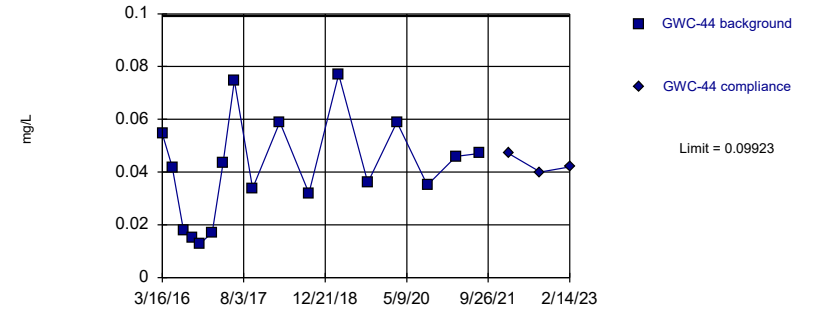


Background Data Summary: Mean=0.01126, Std. Dev.=0.004835, n=37, 2.703% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9401, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

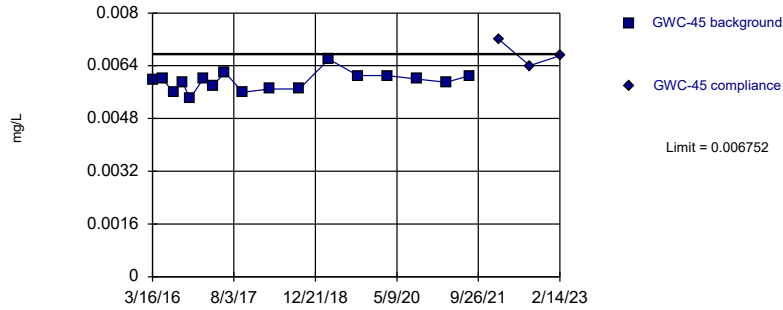


Background Data Summary: Mean=0.04132, Std. Dev.=0.01951, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9528, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

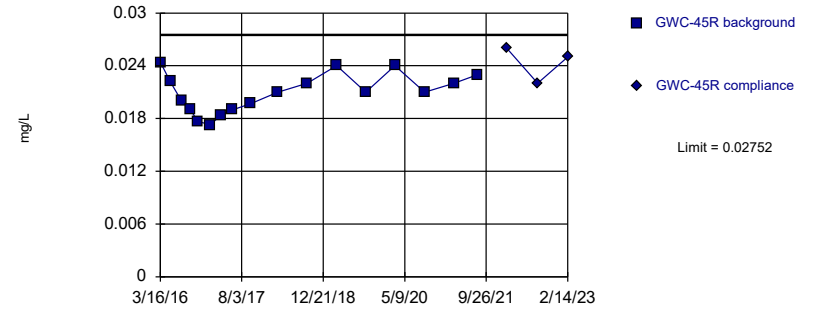


Background Data Summary: Mean=0.005923, Std. Dev.=0.0002794, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9564, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

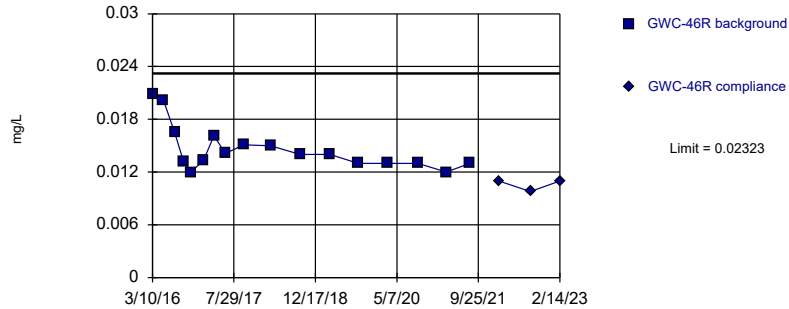


Background Data Summary: Mean=0.02092, Std. Dev.=0.002221, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9578, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

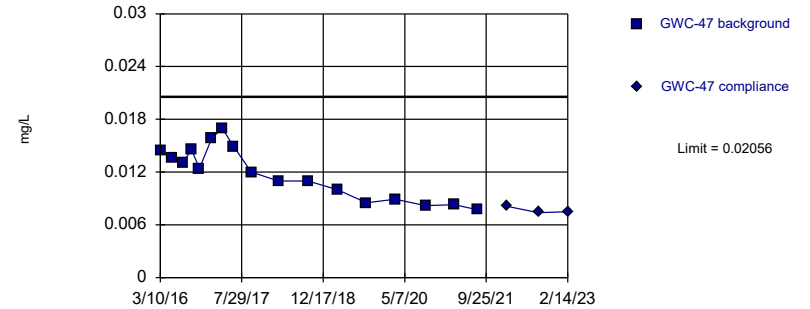


Background Data Summary (based on natural log transformation): Mean=-4.239, Std. Dev.=0.1605, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8569, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

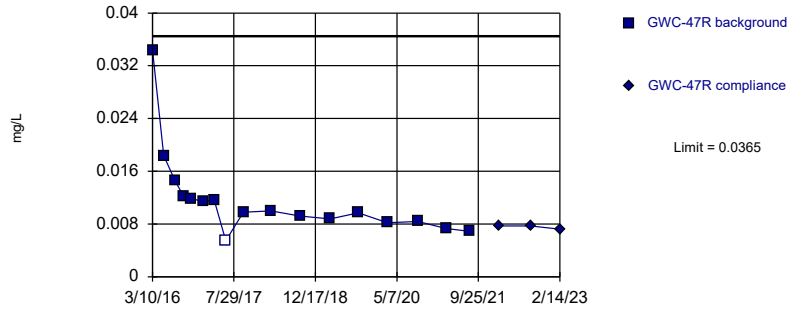


Background Data Summary: Mean=0.01184, Std. Dev.=0.002938, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9457, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

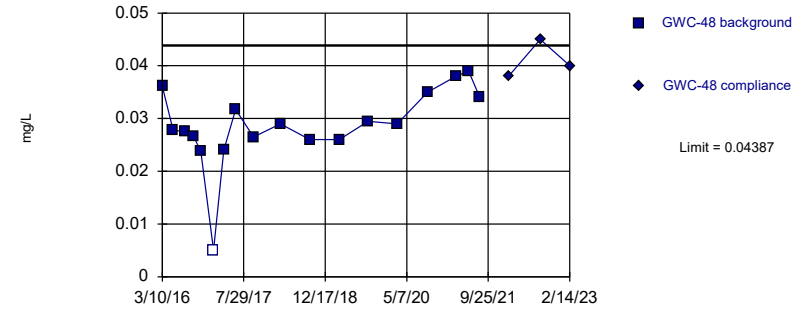


Background Data Summary (based on natural log transformation): Mean=-4.549, Std. Dev.=0.4172, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9046, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

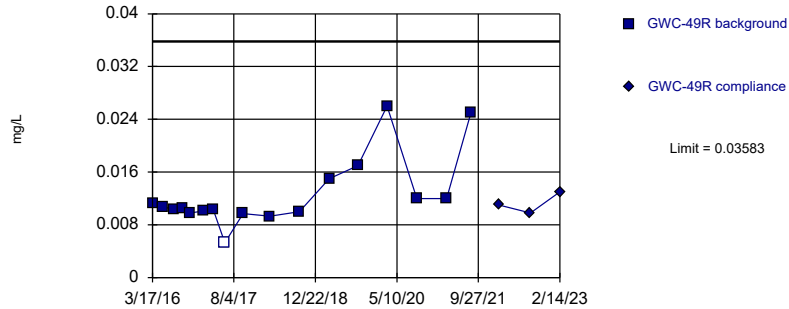


Background Data Summary (based on square transformation): Mean=0.0008705, Std. Dev.=0.0003606, n=18, 5.556% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9419, critical = 0.858. Kappa = 2.923 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

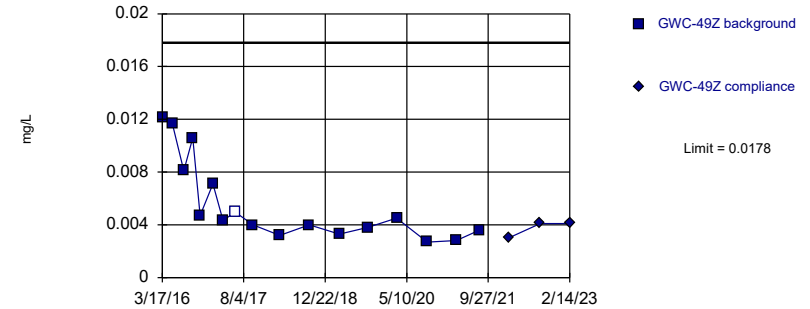


Background Data Summary (based on natural log transformation): Mean=-4.444, Std. Dev.=0.3757, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8614, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

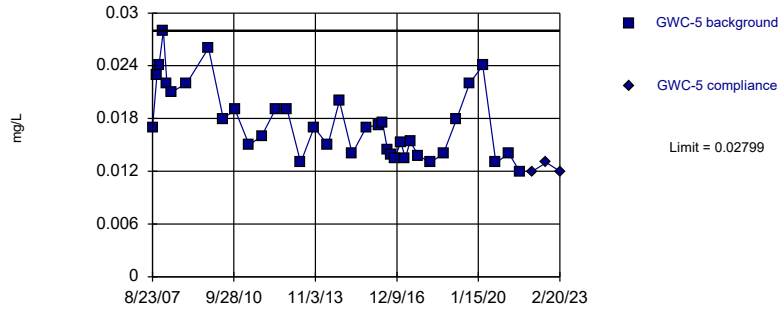


Background Data Summary (based on cube root transformation): Mean=0.1729, Std. Dev.=0.02972, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8592, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

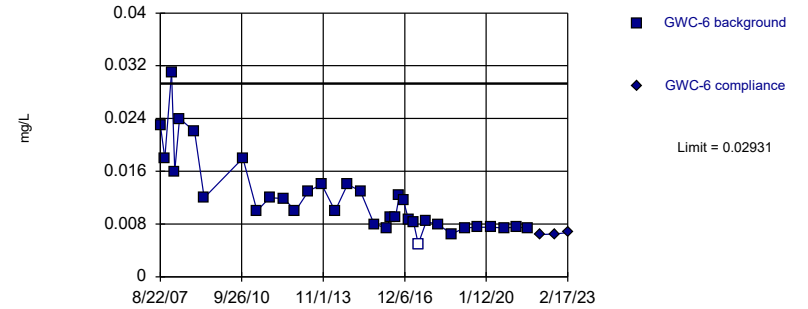


Background Data Summary: Mean=0.01756, Std. Dev.=0.004096, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

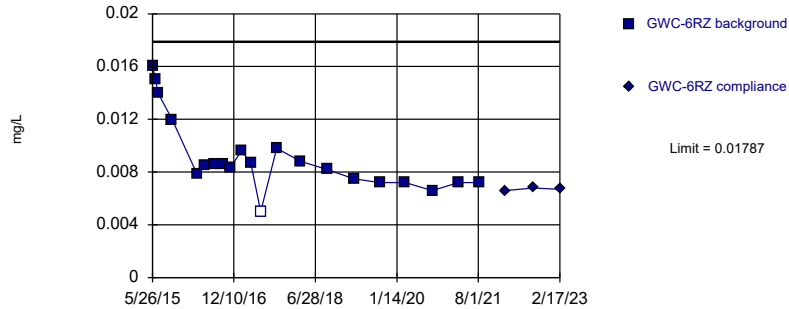


Background Data Summary (based on cube root transformation): Mean=0.2239, Std. Dev.=0.03294, n=35, 2.857% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9142, critical = 0.91. Kappa = 2.562 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

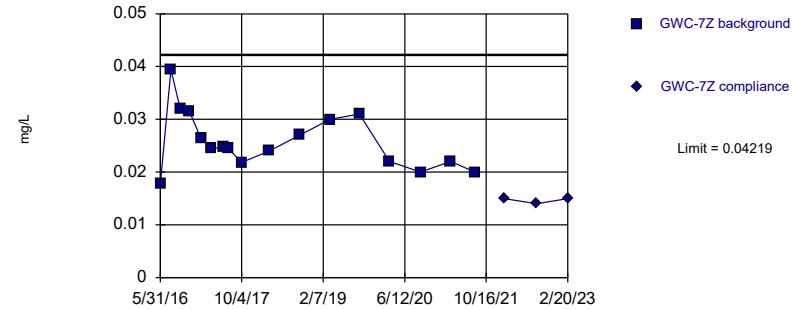


Background Data Summary (based on square root transformation): Mean=0.0946, Std. Dev.=0.01394, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8812, critical = 0.873. Kappa = 2.805 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

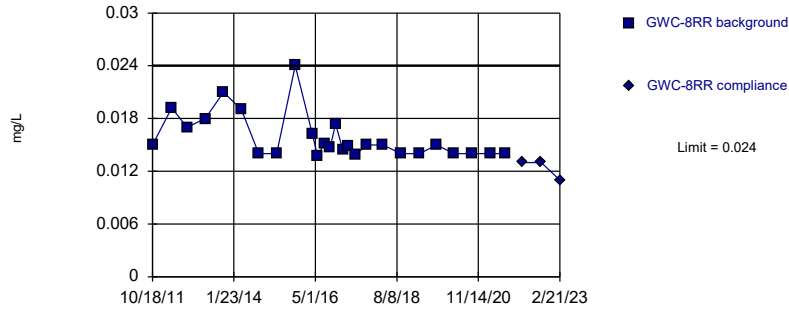
Prediction Limit Intrawell Parametric



Background Data Summary: Mean=0.02581, Std. Dev.=0.00552, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9384, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

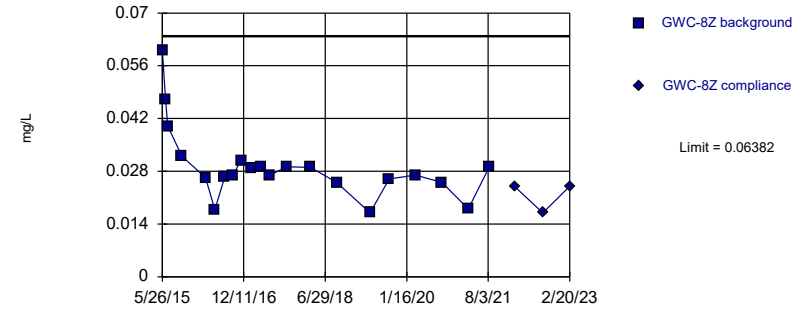
Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

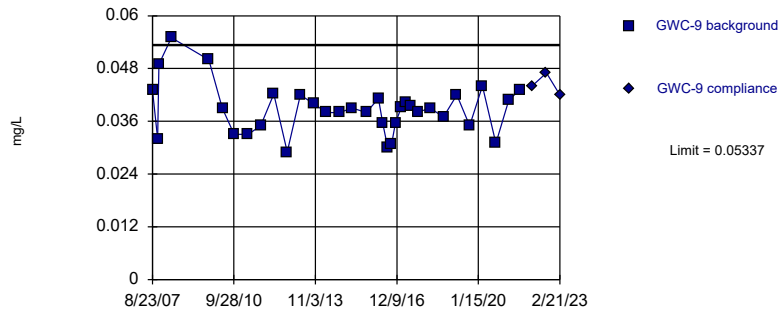
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.57, Std. Dev.=0.2917, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8889, critical = 0.873. Kappa = 2.805 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

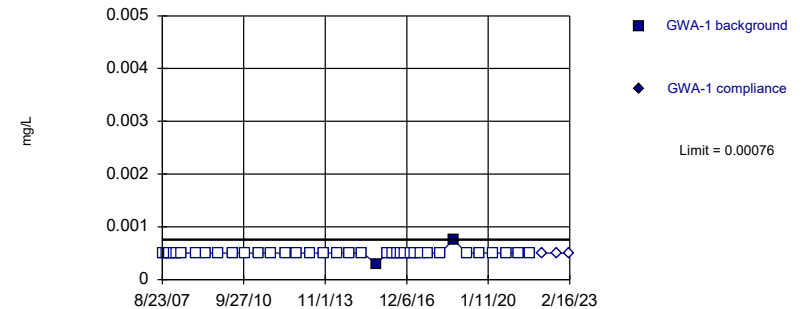
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.03874, Std. Dev.=0.005686, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9541, critical = 0.908. Kappa = 2.573 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit Prediction Limit
Intrawell Non-parametric

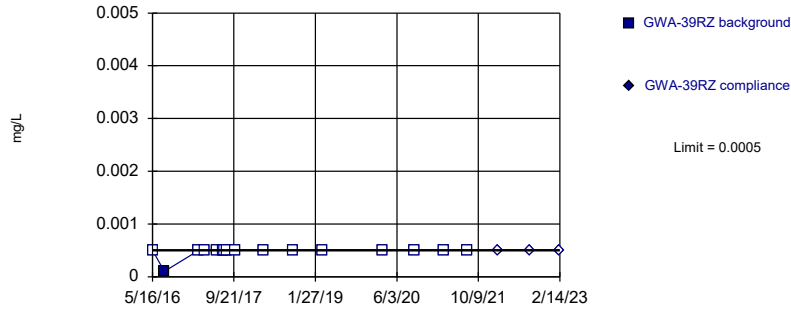


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

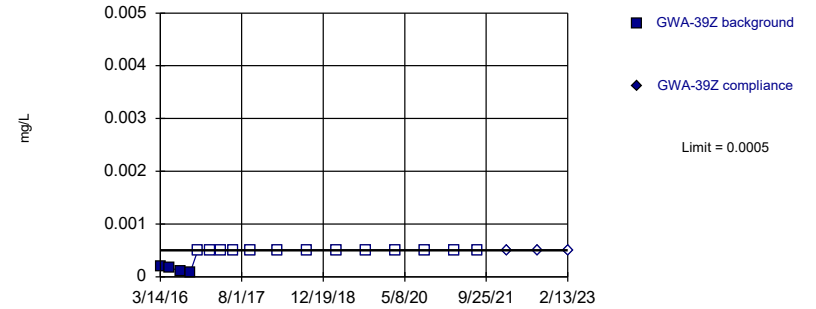


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

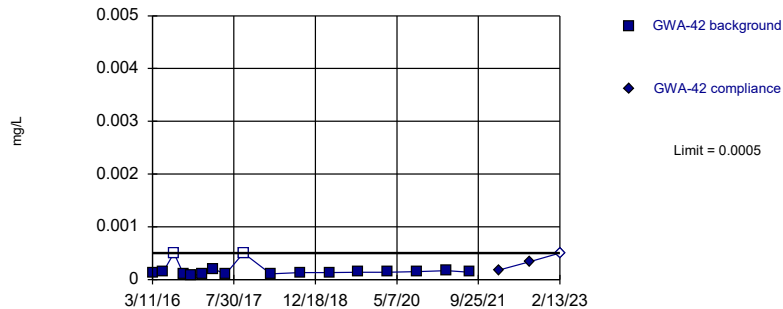


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

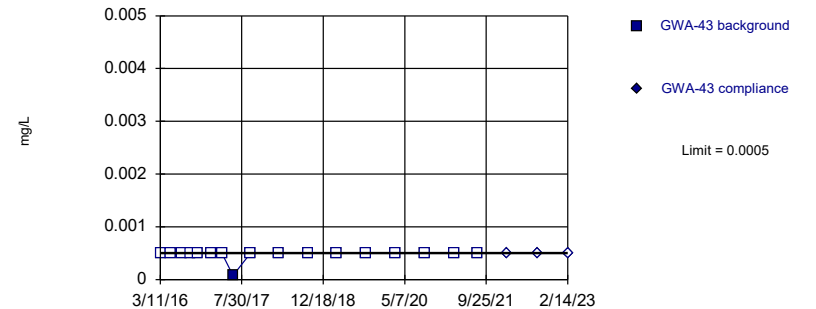


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 11.76% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

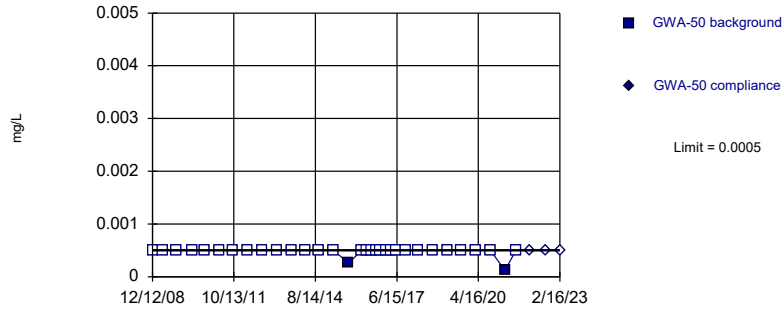


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

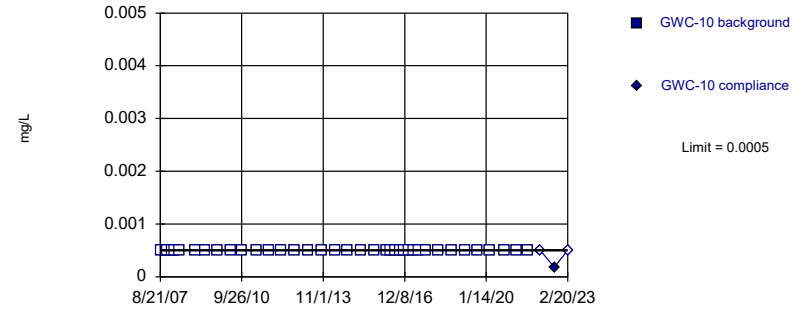


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

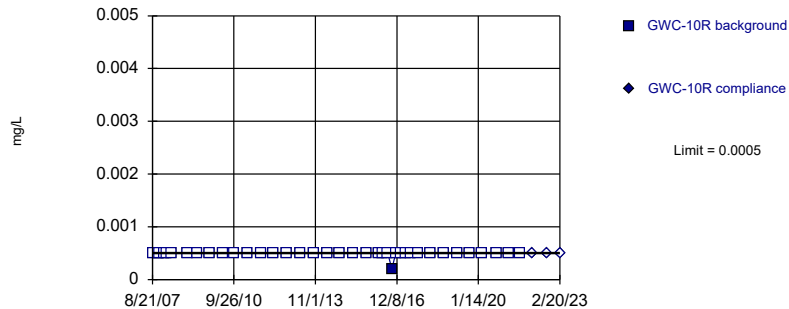


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 38) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

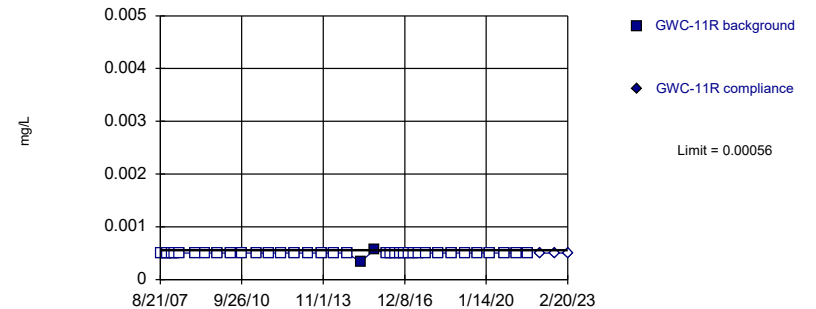


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

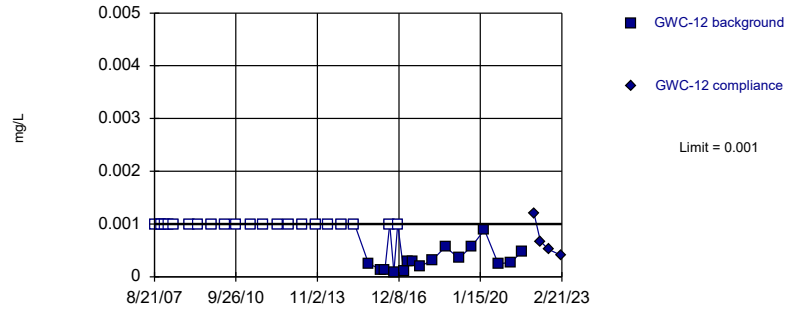


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

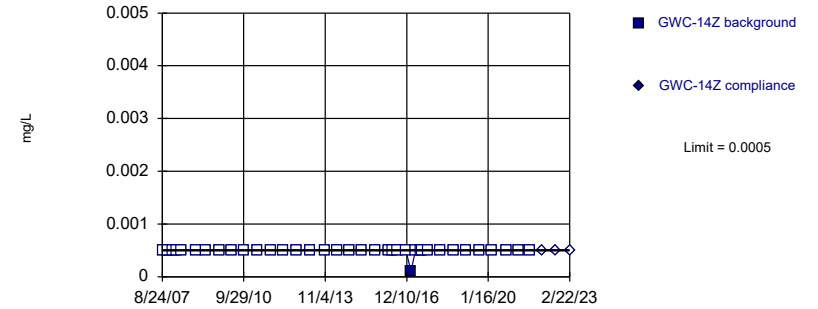


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

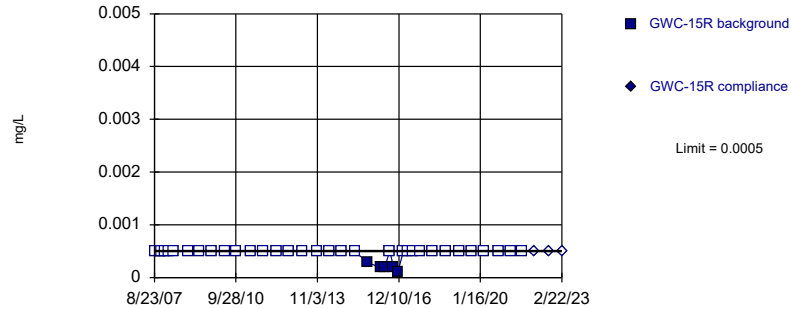


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

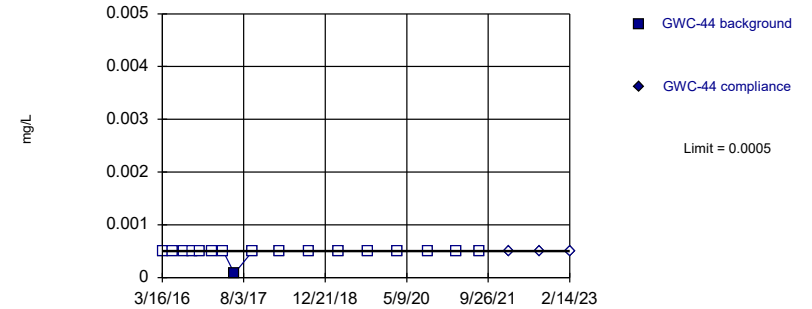


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

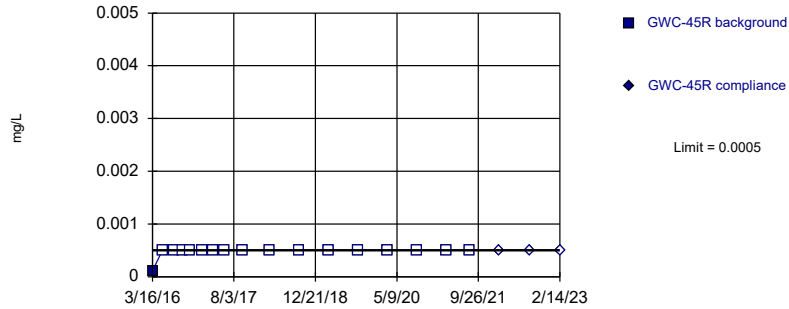


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

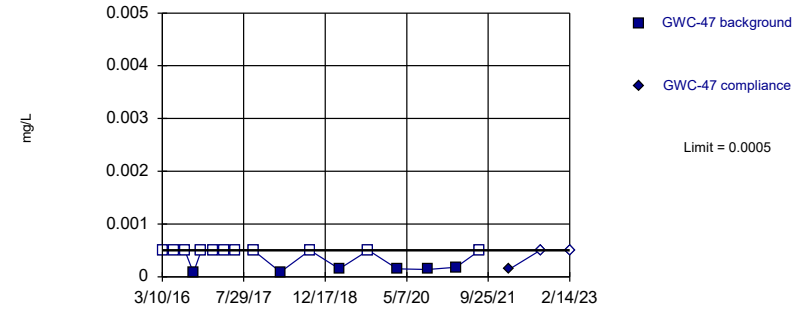


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

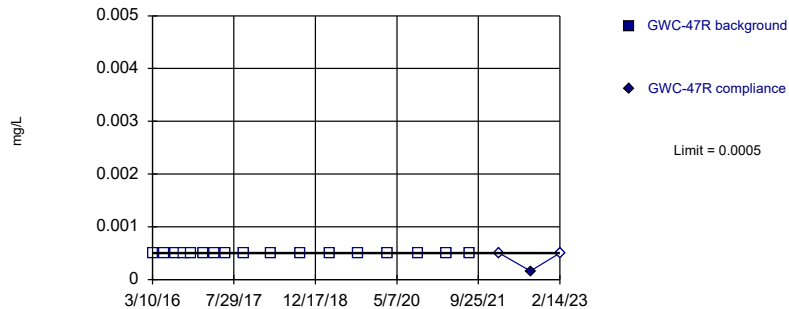


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

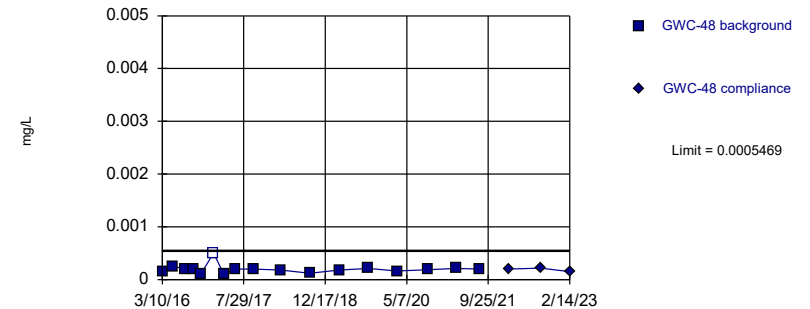


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

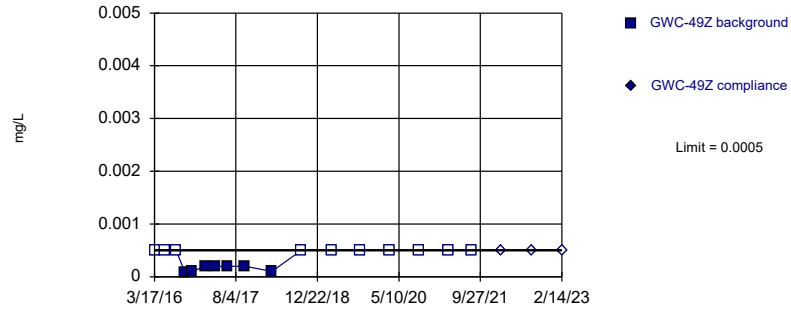


Background Data Summary (based on natural log transformation): Mean=-8.602, Std. Dev.=0.3675, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8657, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

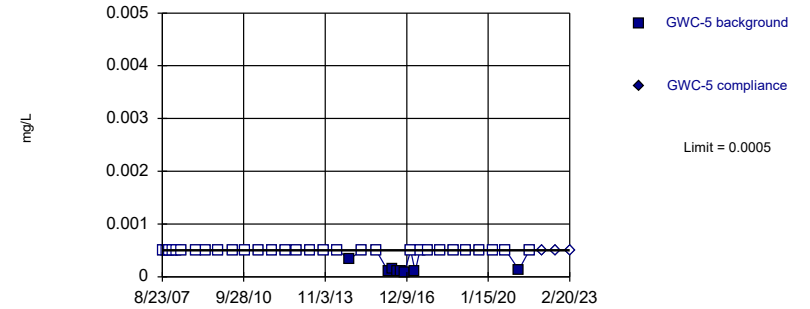


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

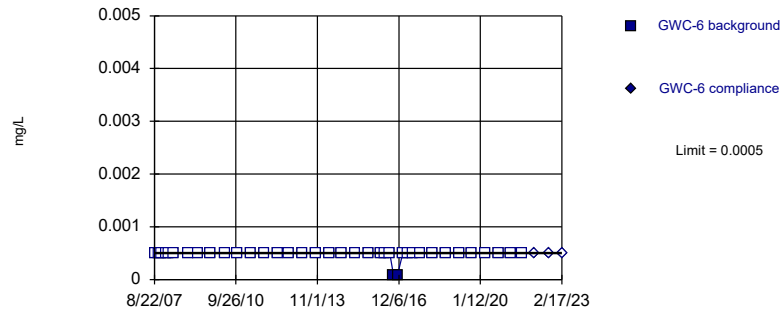


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

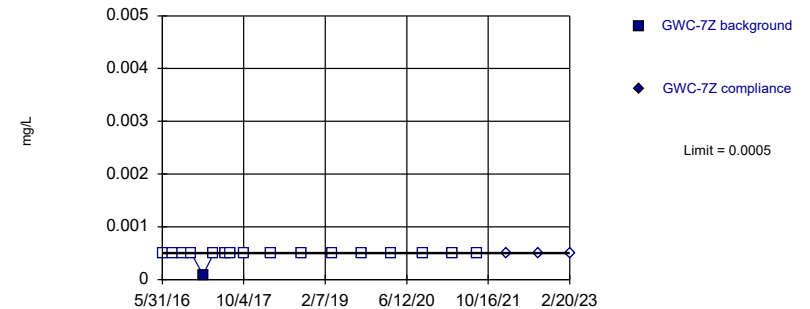


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

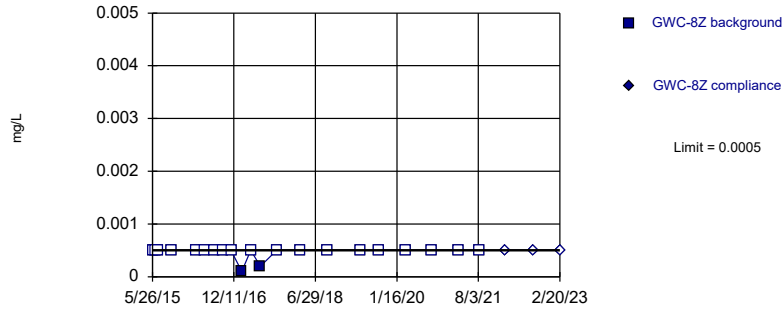


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

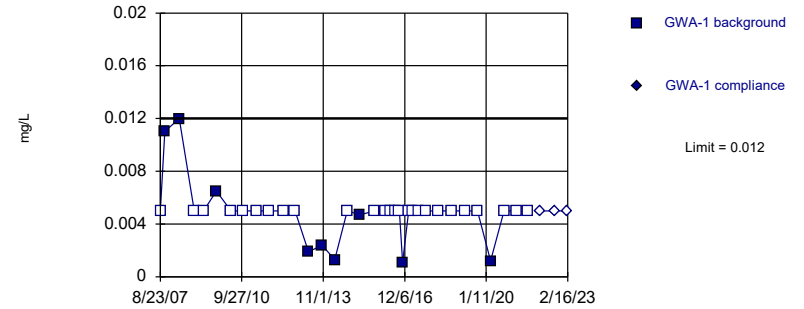


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

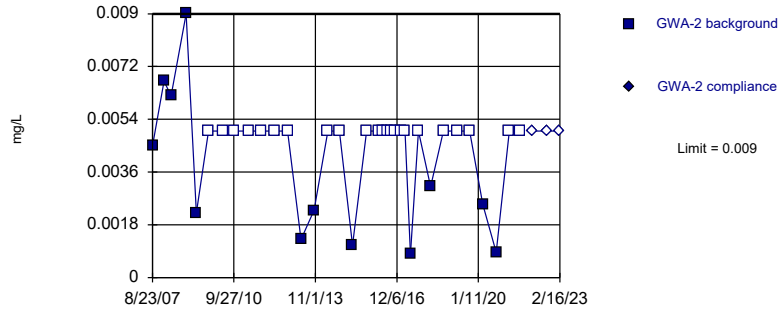


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 74.29% NDs. Well-constituent pair annual alpha = 0.002991. Individual comparison alpha = 0.001497 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

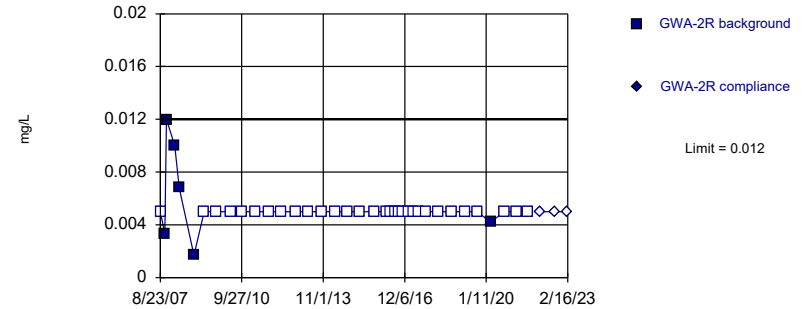


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 65.71% NDs. Well-constituent pair annual alpha = 0.002991. Individual comparison alpha = 0.001497 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

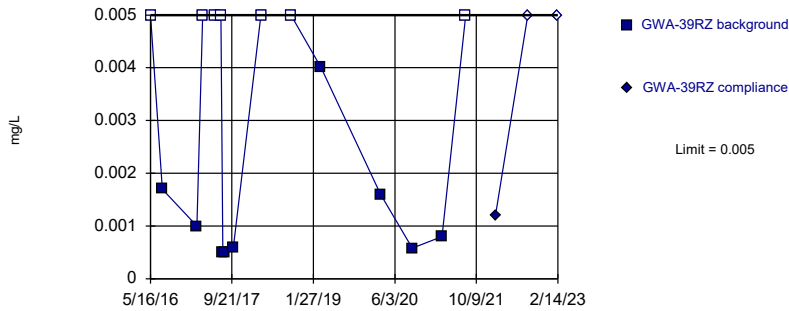


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

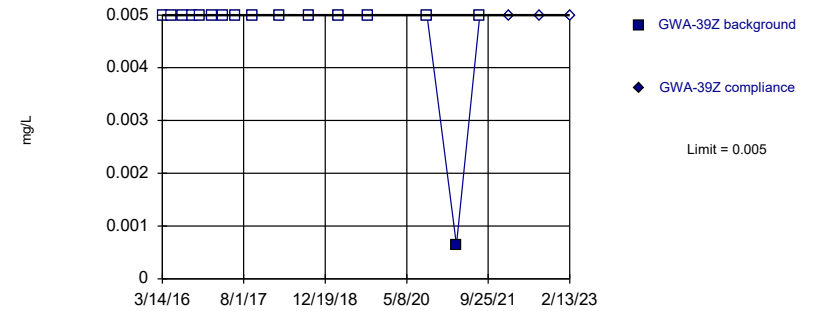


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

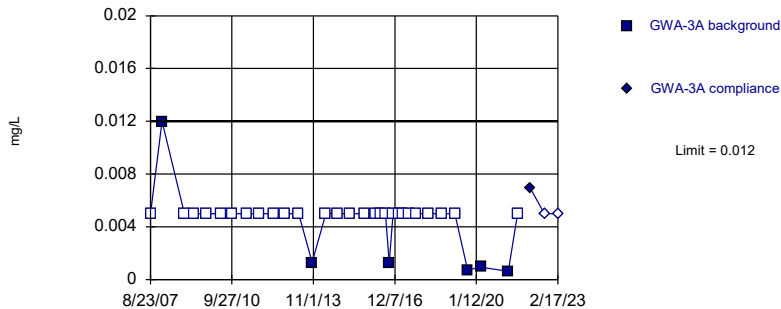


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

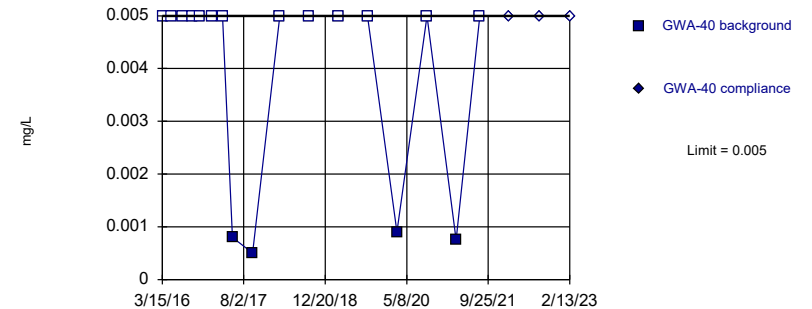


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

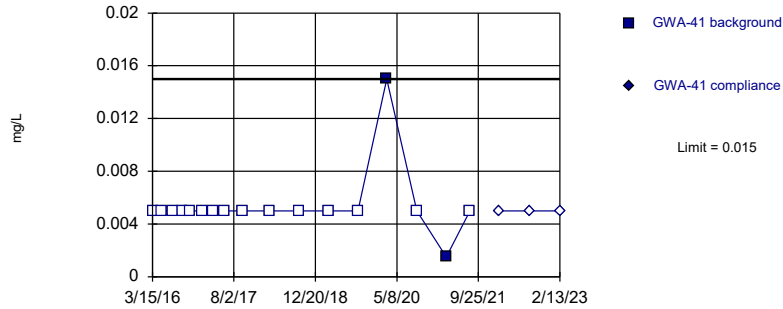


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

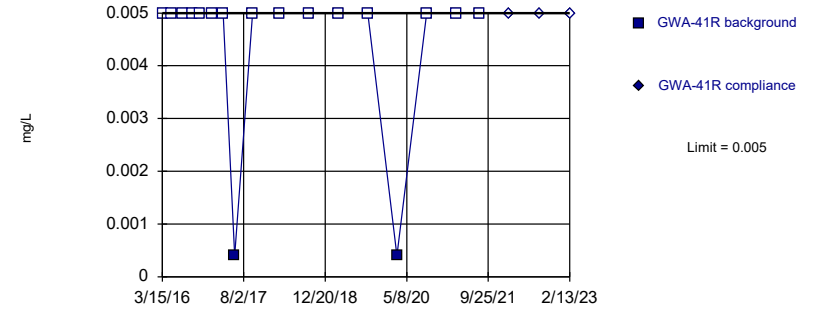


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

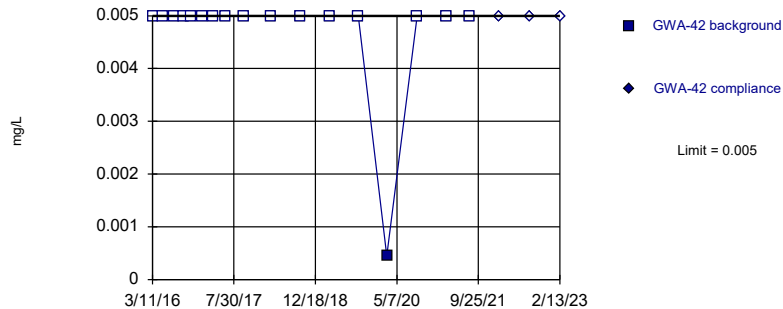


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

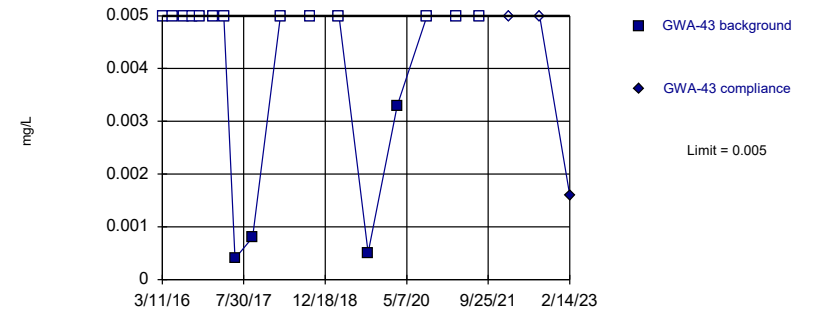


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

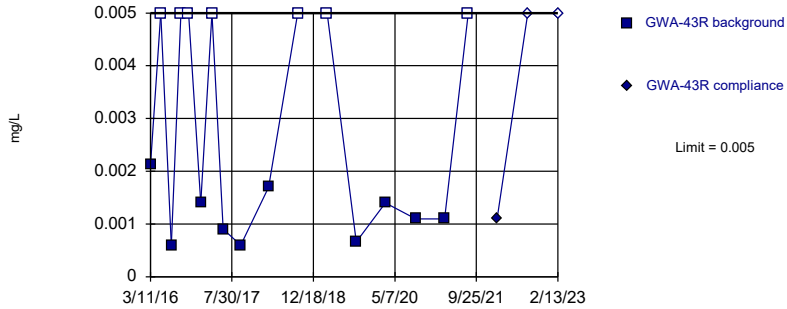


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

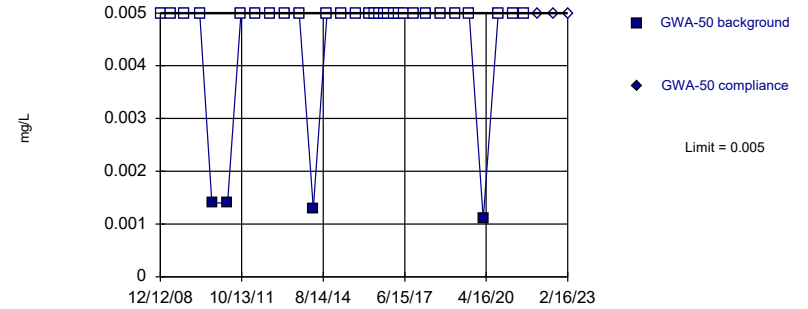


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

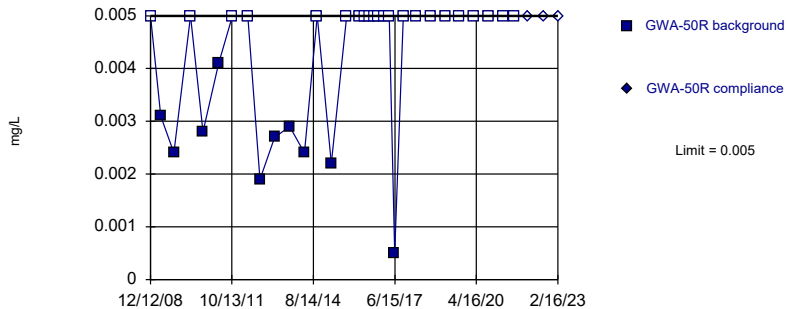


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

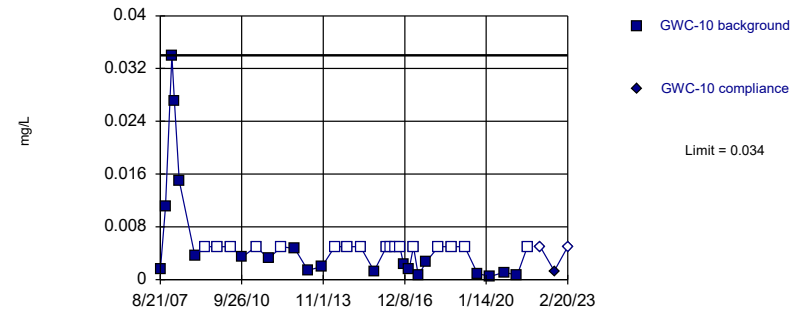


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

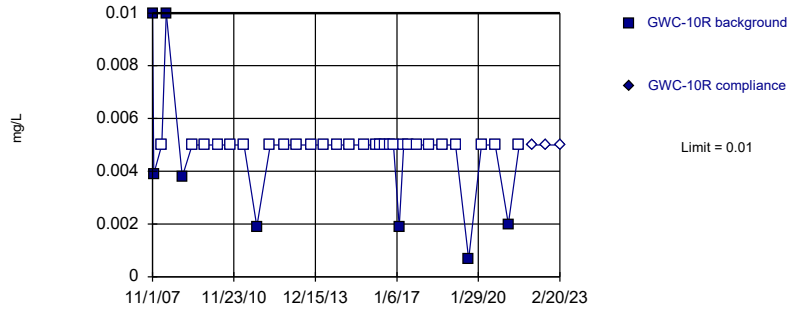


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 45.95% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

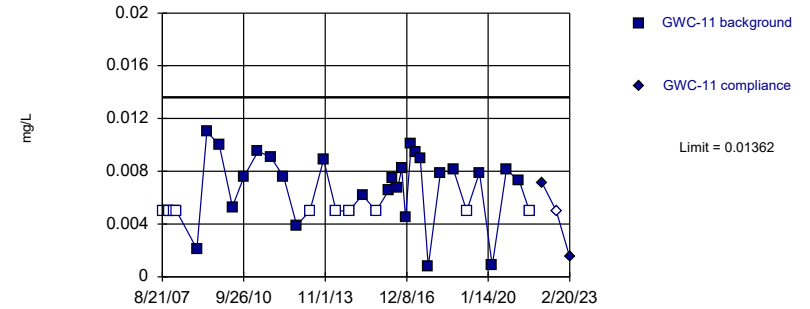


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

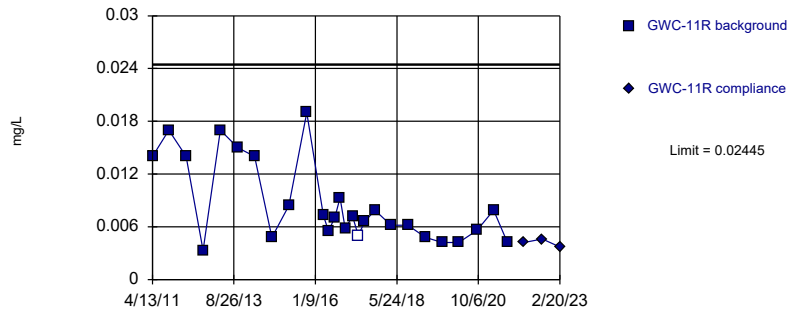


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.005363, Std. Dev.=0.003241, n=37, 29.73% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9418, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

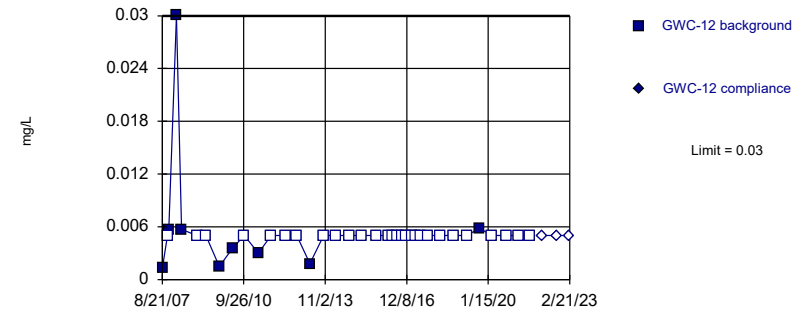


Background Data Summary (based on cube root transformation): Mean=0.199, Std. Dev.=0.03424, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9041, critical = 0.894. Kappa = 2.666 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

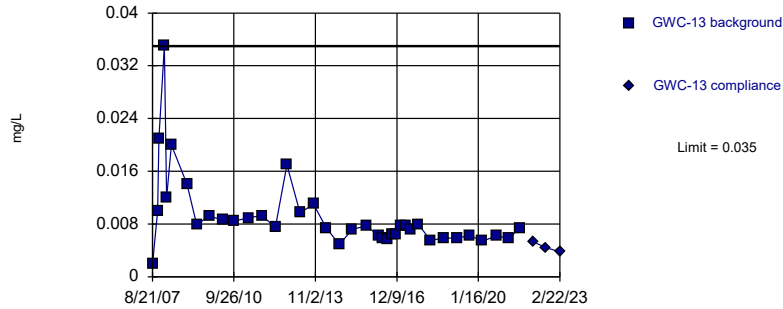


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

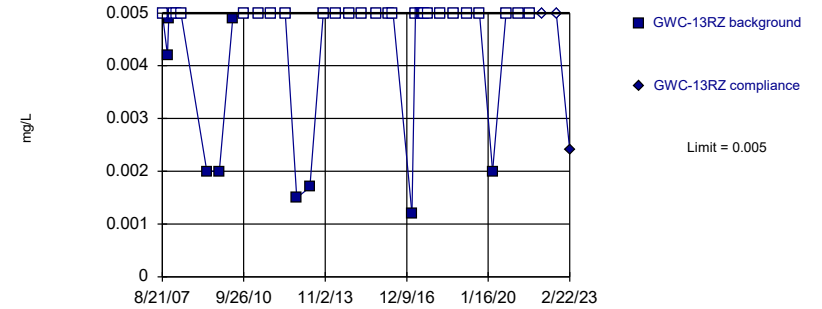


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

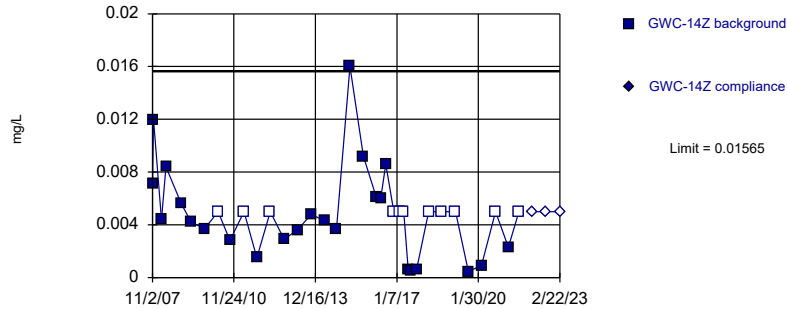


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

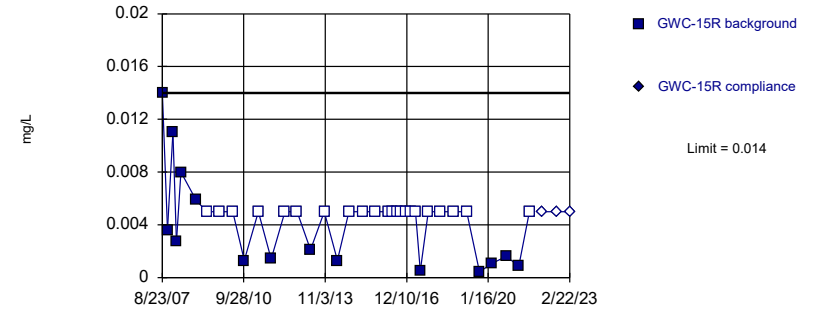


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05769, Std. Dev.=0.0264, n=36, 30.56% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9246, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

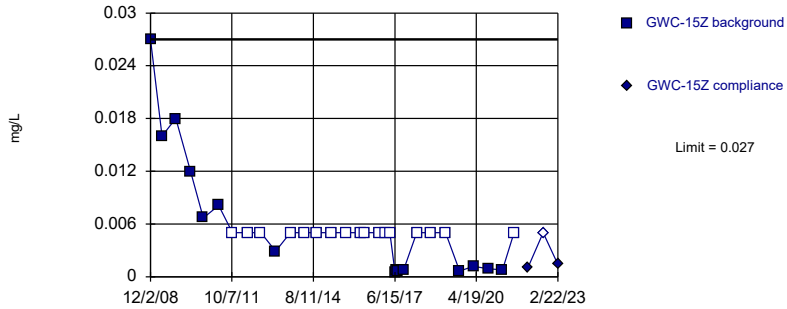


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 59.46% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

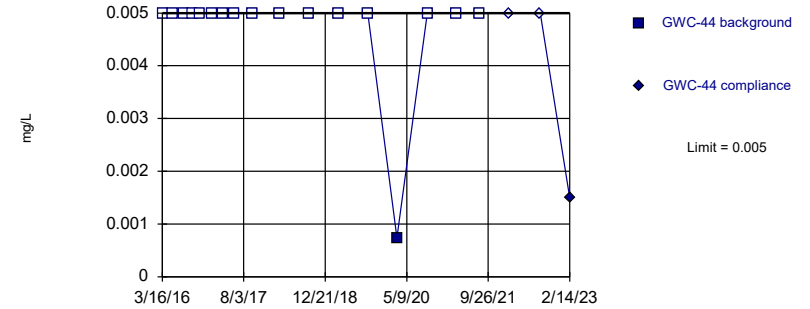


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

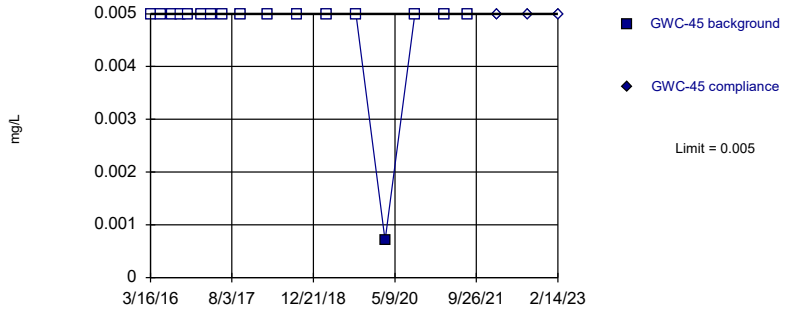


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

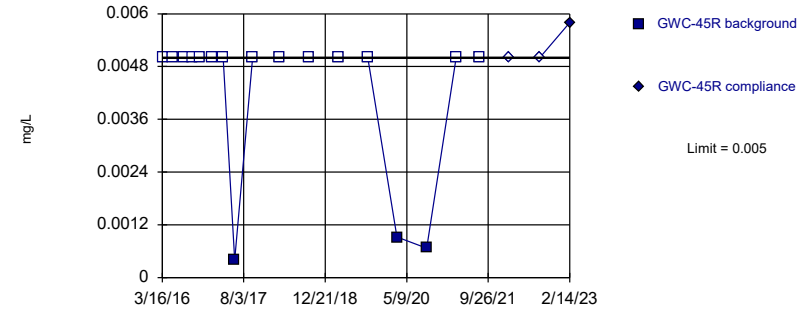


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
 Intrawell Non-parametric

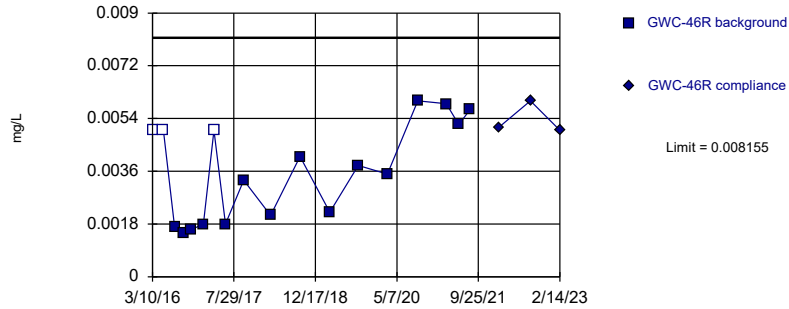


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

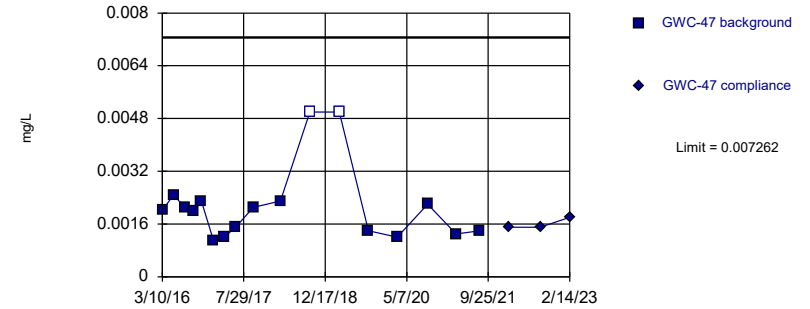


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003333, Std. Dev.=0.00165, n=18, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8831, critical = 0.858. Kappa = 2.923 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

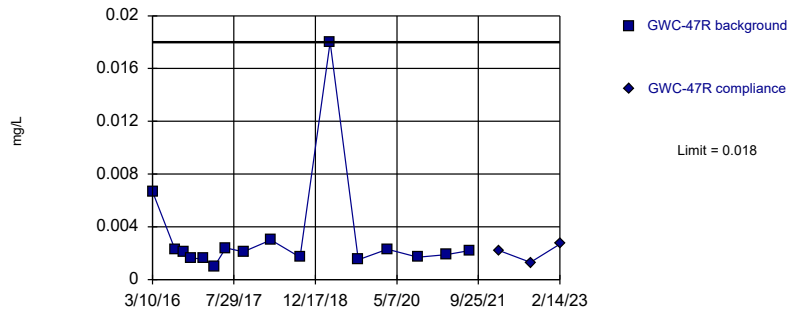


Background Data Summary (based on natural log transformation): Mean=-6.245, Std. Dev.=0.4447, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8803, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

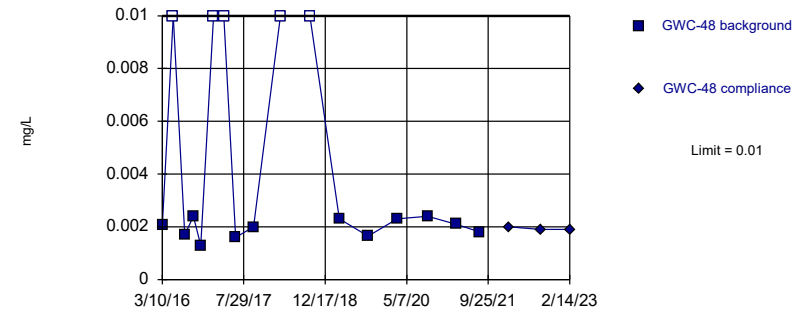


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

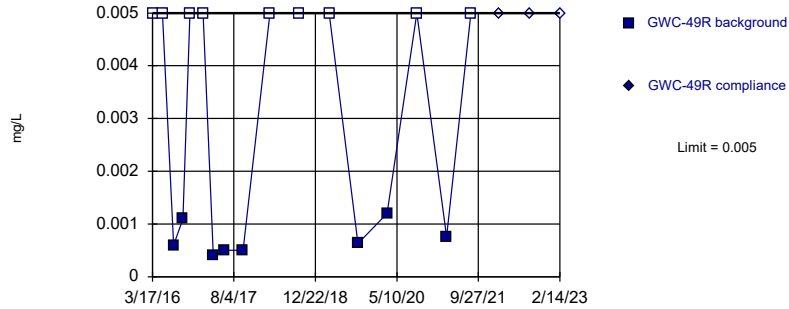


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 29.41% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

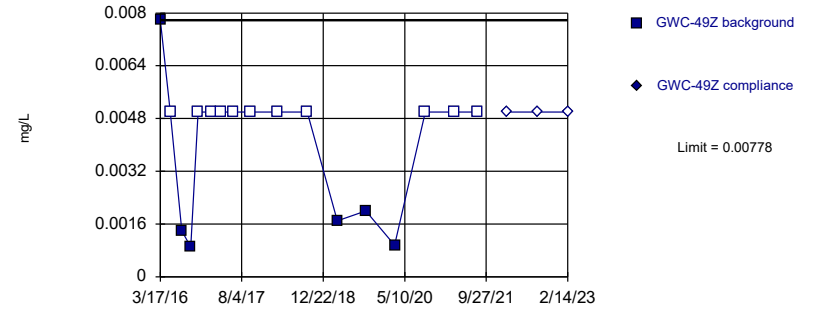


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

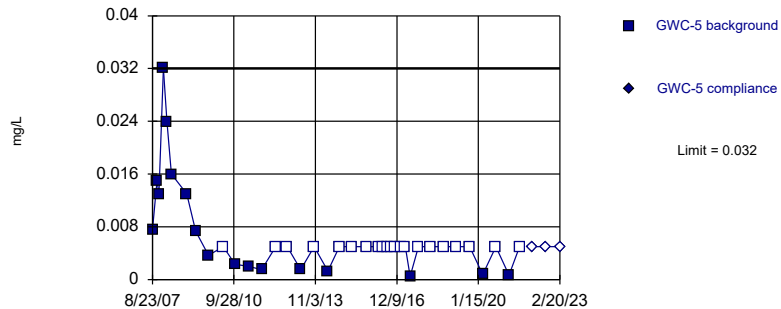


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

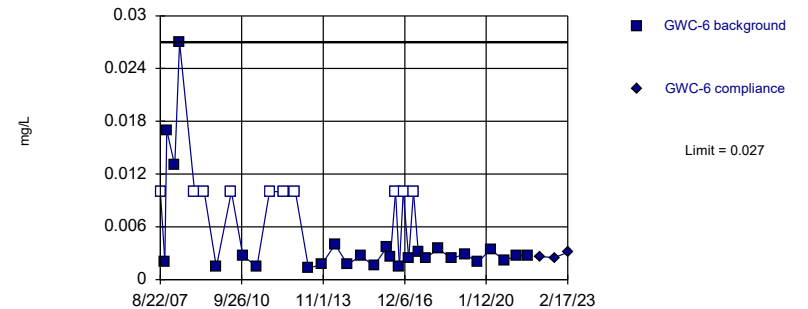


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 55.26% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

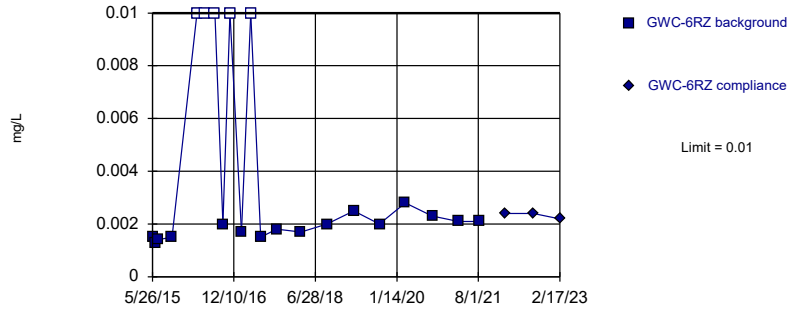


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 27.03% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

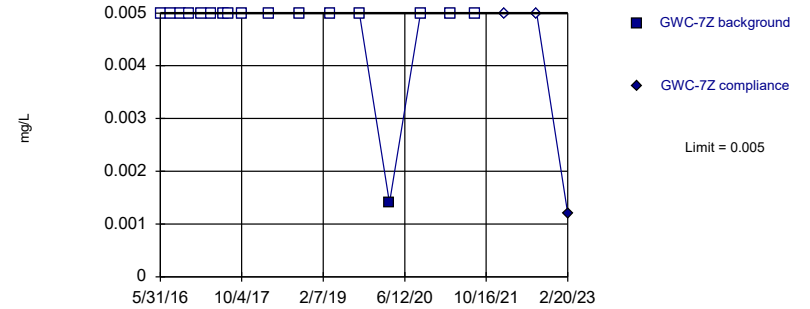


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 23.81% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

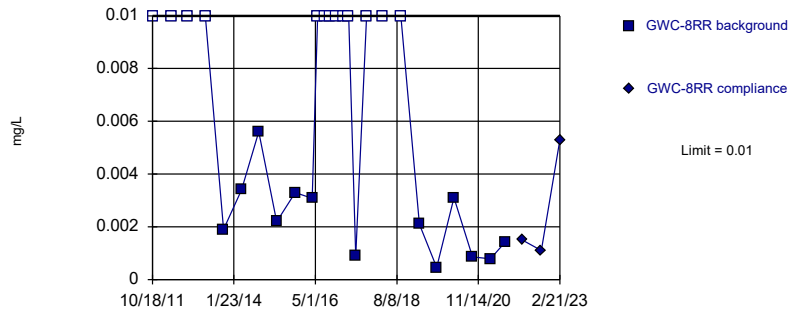


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

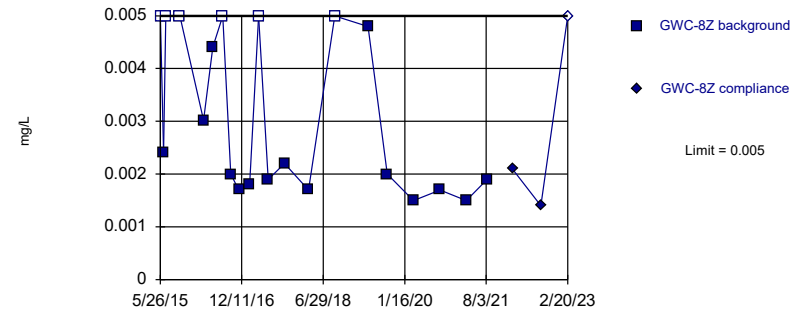


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

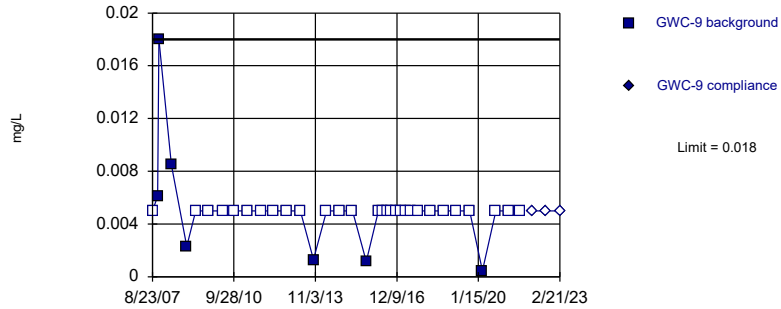


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 28.57% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

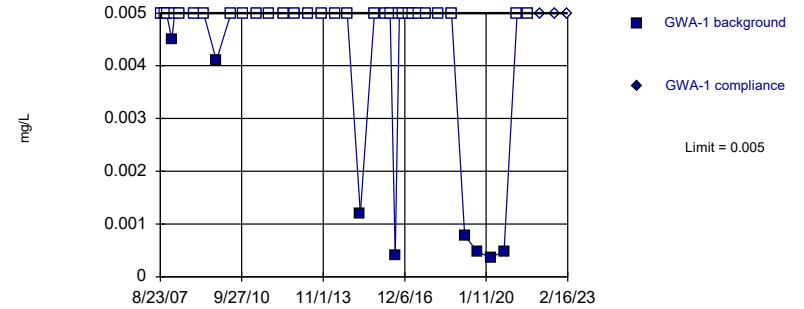


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 80.56% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

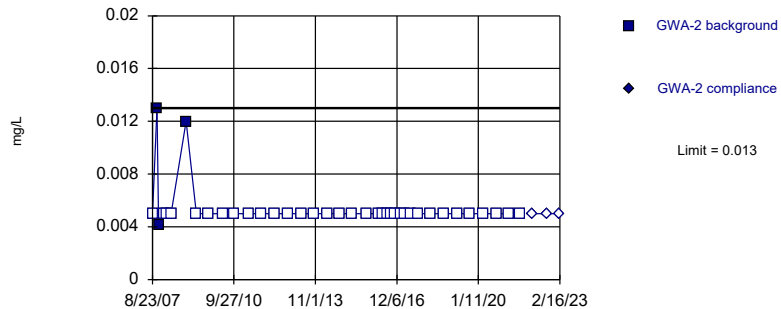


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

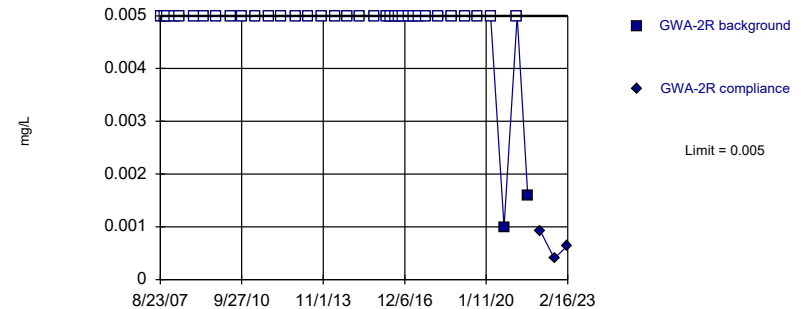


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

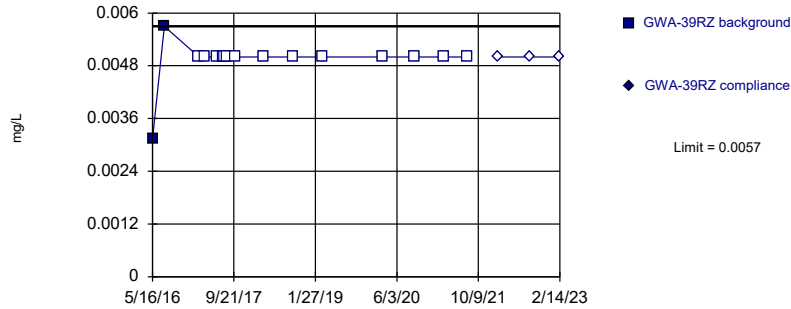


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

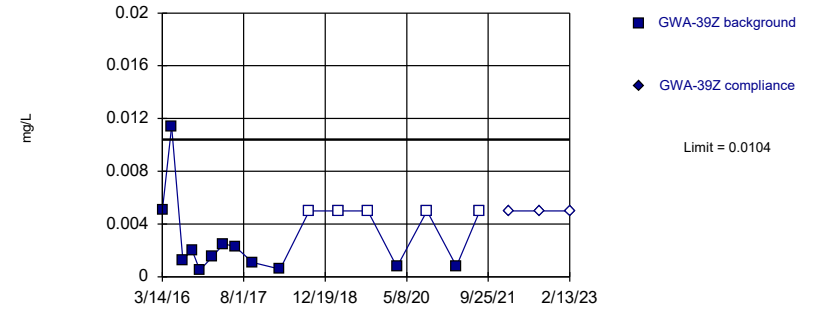


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

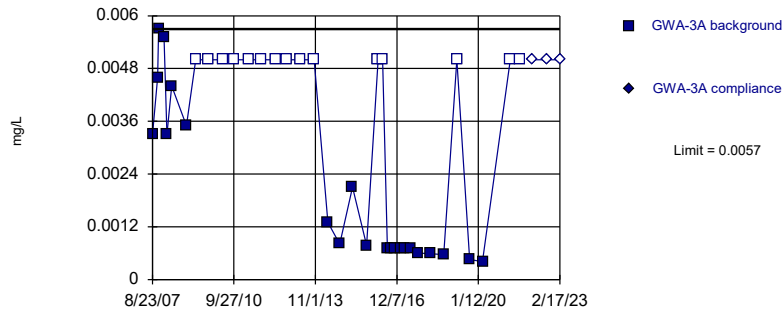


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04156, Std. Dev.=0.02036, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8962, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

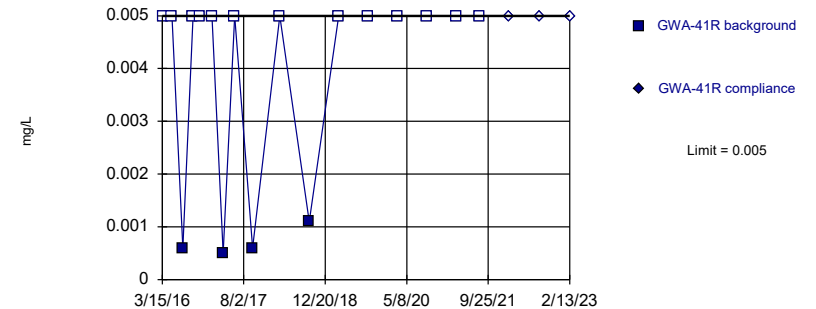


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 40.54% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

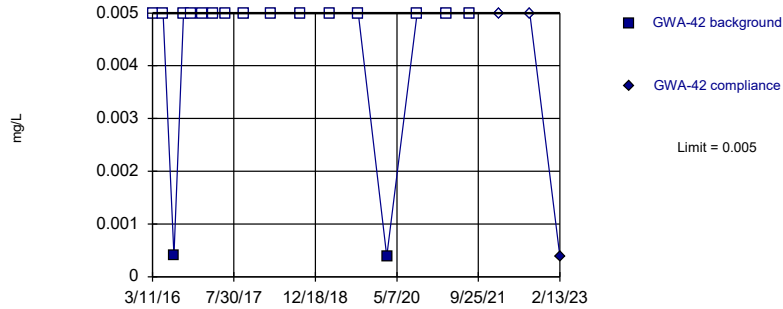


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

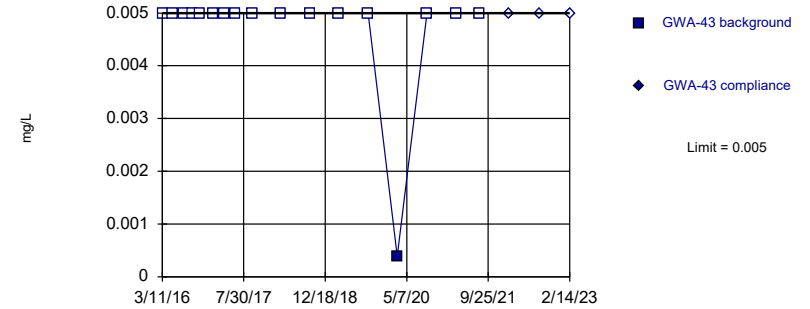


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

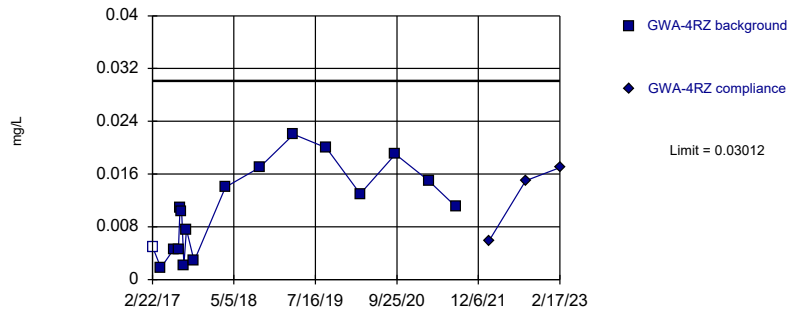


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

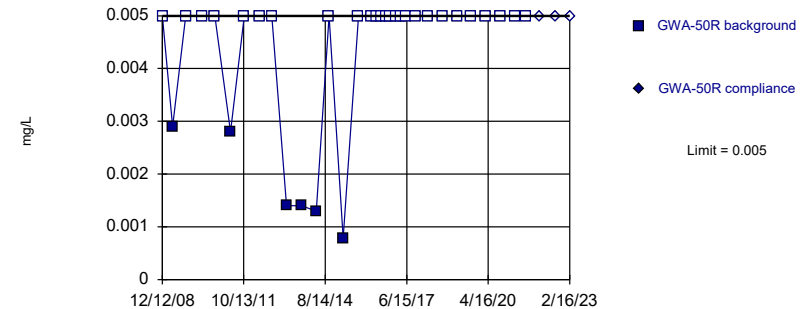


Background Data Summary: Mean=0.01064, Std. Dev.=0.006563, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9403, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

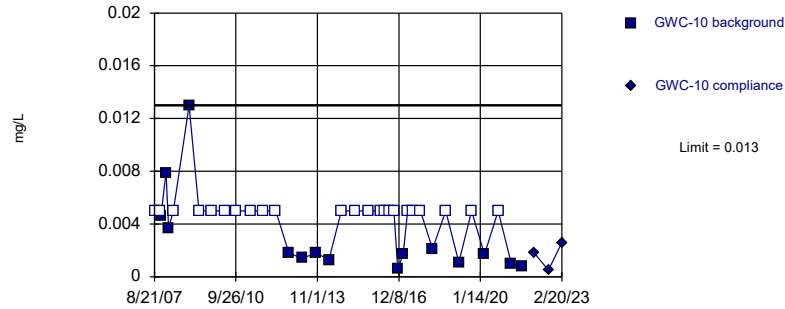


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

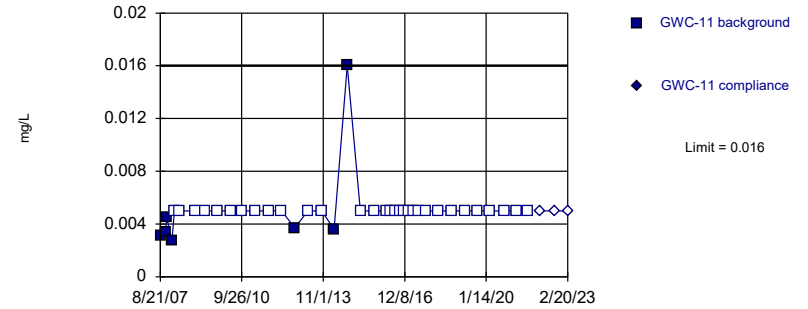


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 60.53% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

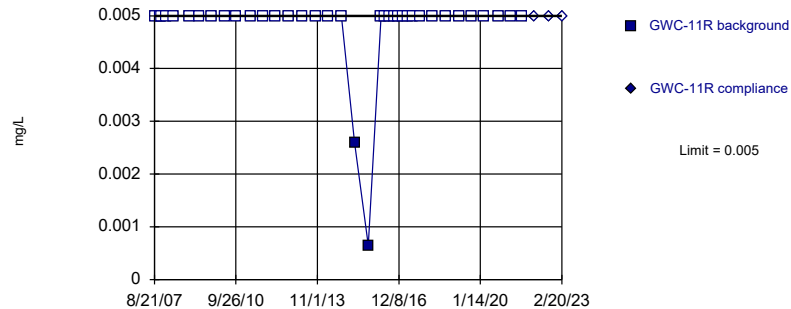


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 81.58% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

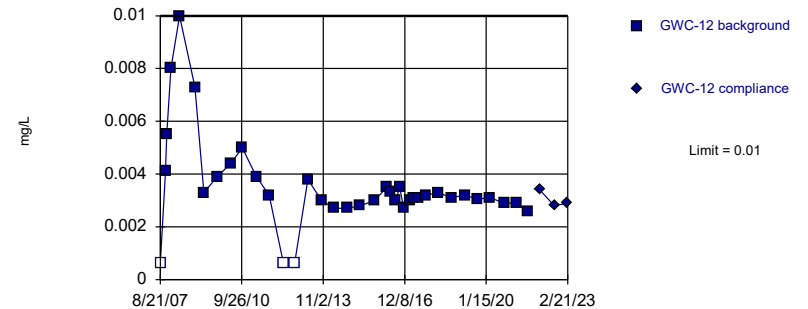


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

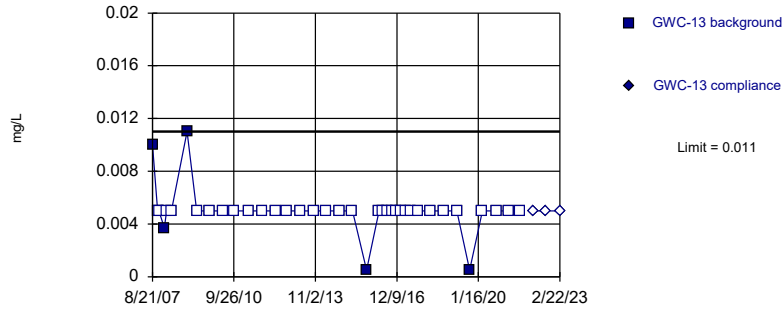


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 8.108% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

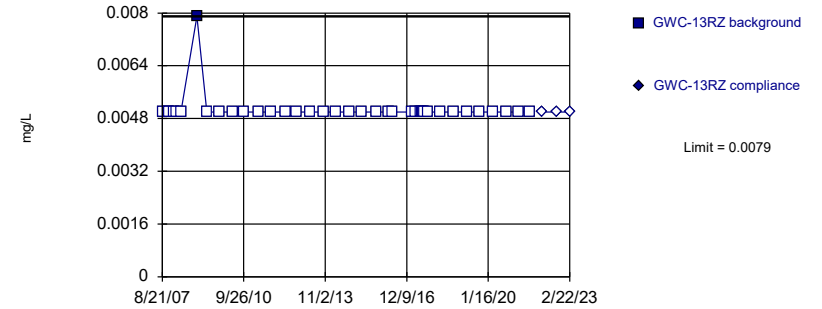


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

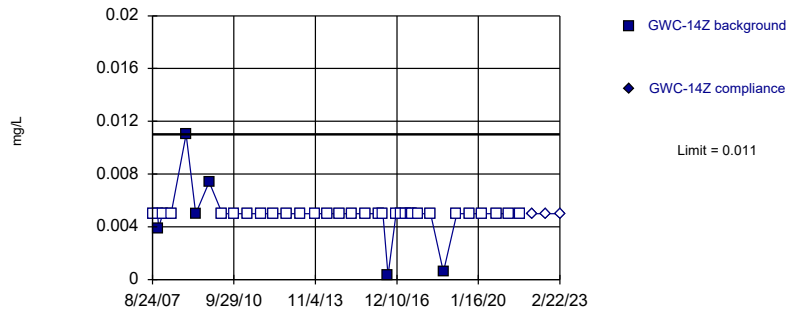


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

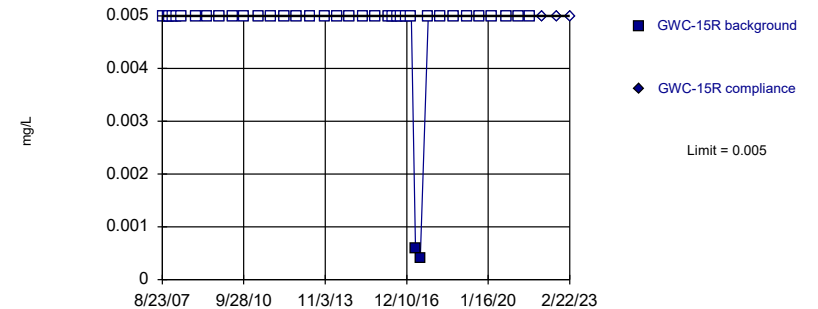


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 81.58% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

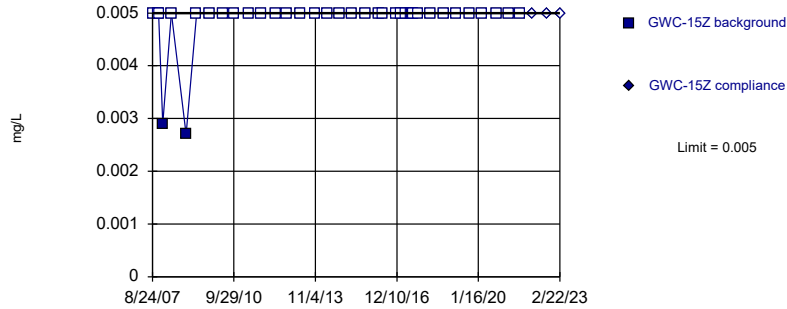


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

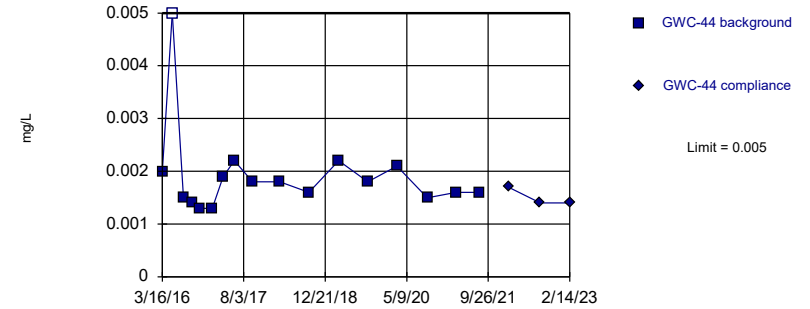


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

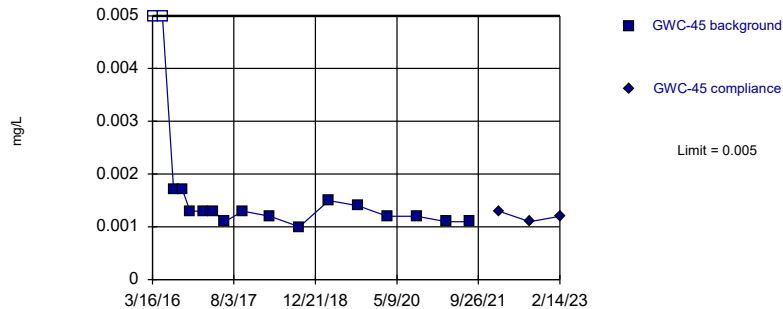


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

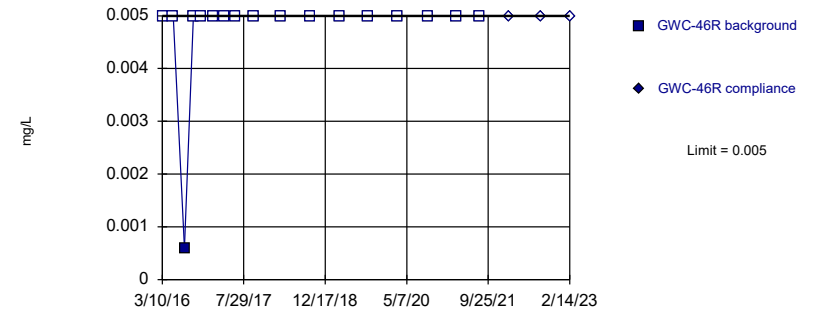


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 11.76% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

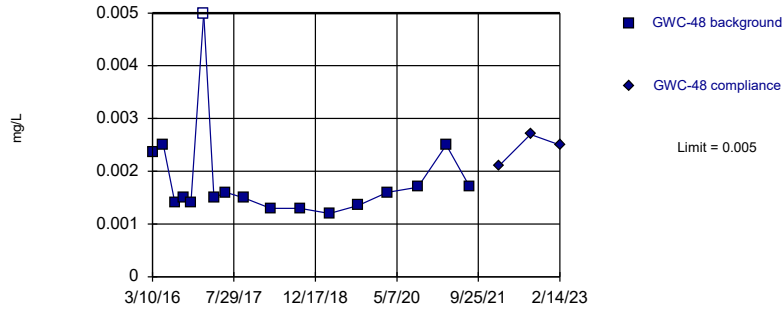


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

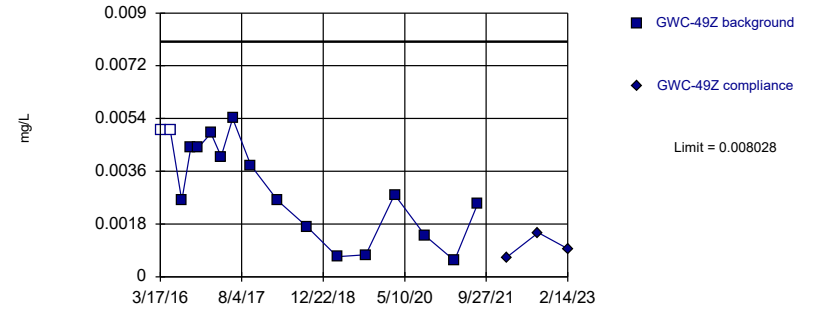


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

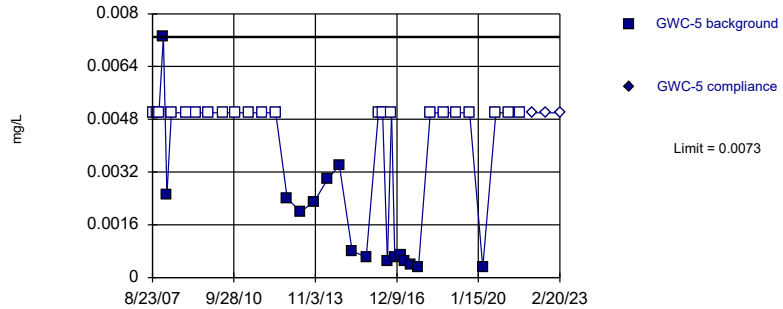


Background Data Summary: Mean=0.003094, Std. Dev.=0.001662, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

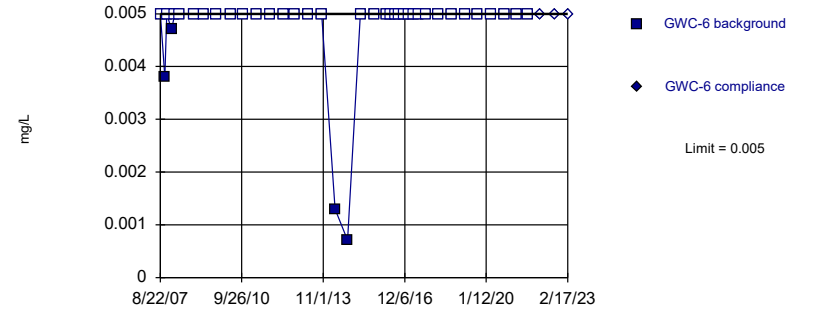


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

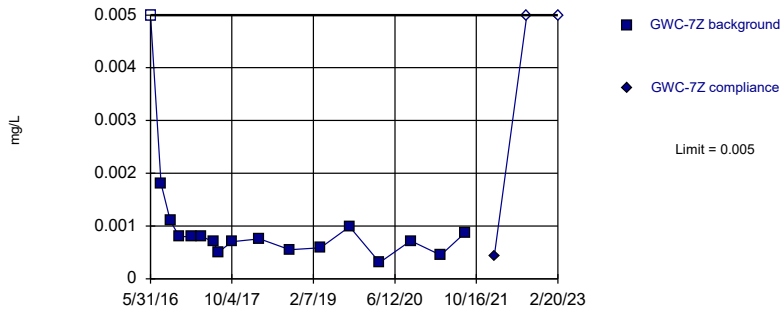


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

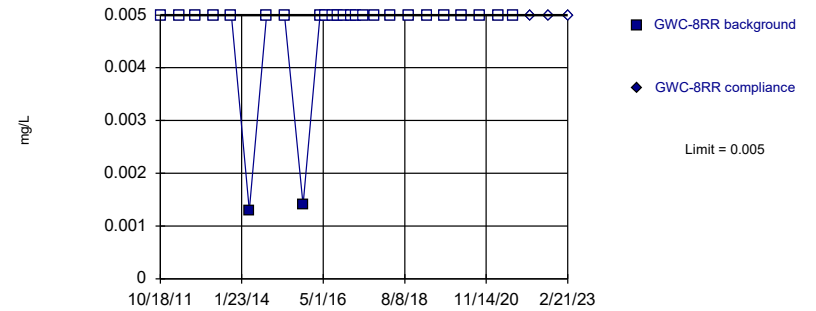


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

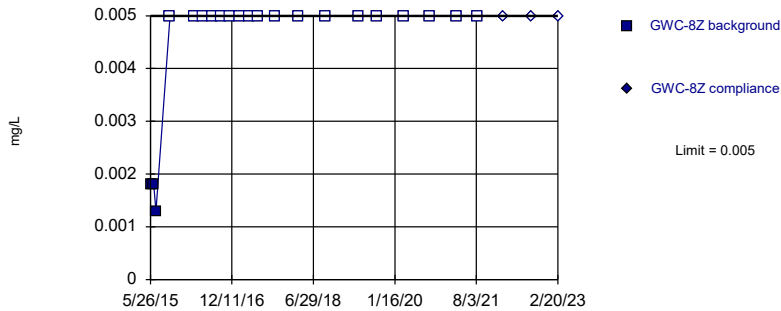


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

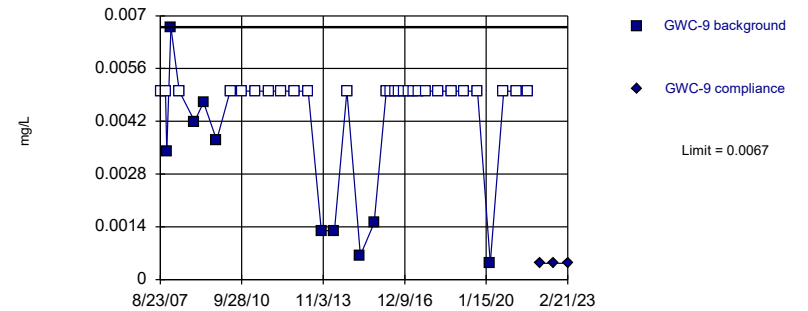


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

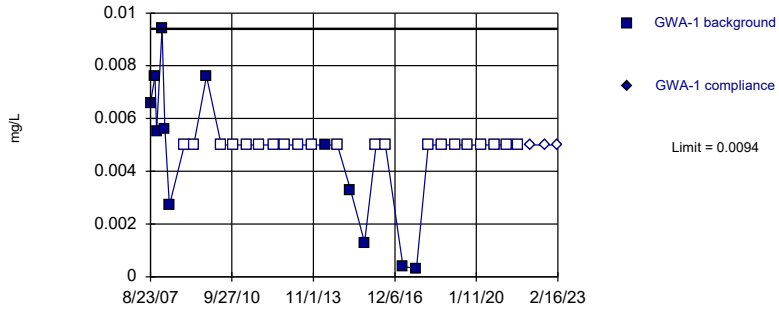


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 72.97% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

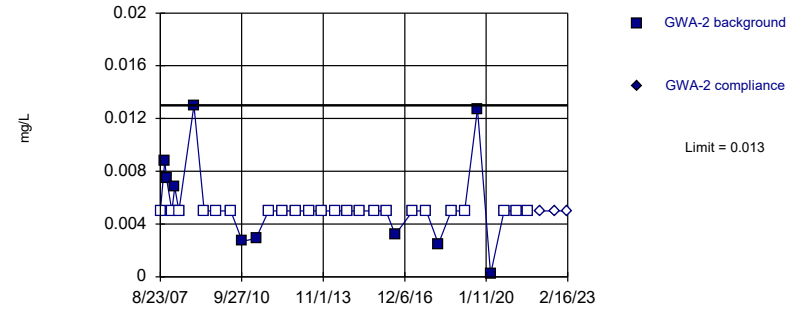


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

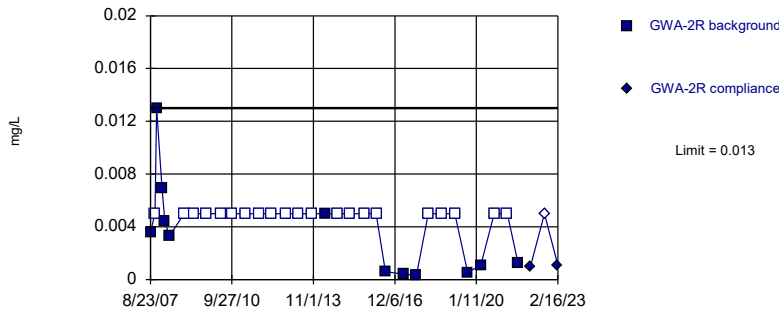


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 69.7% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

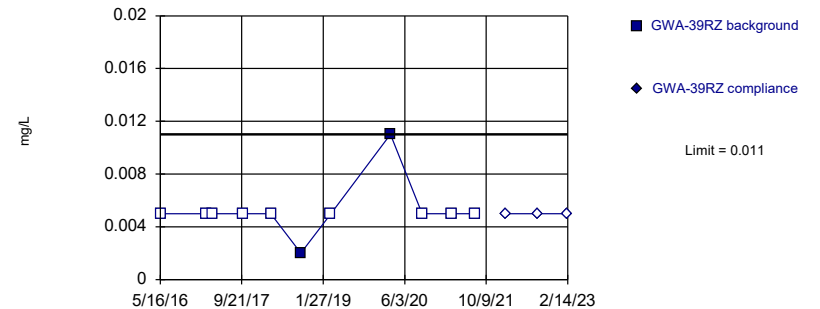


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

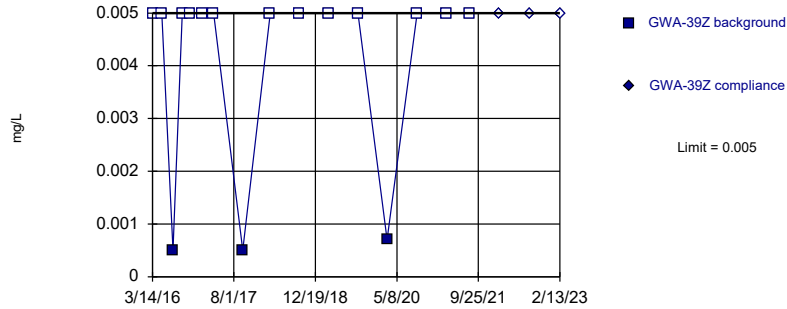


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

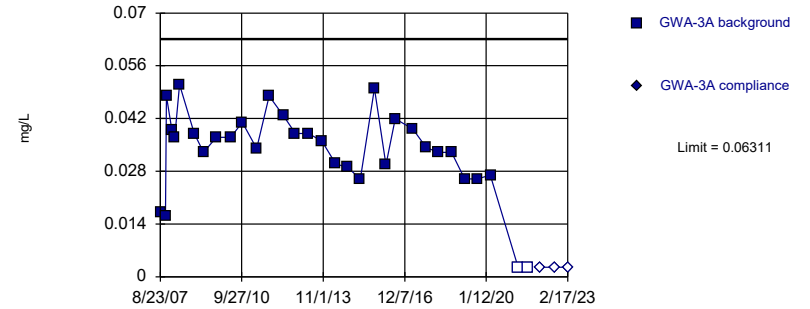


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

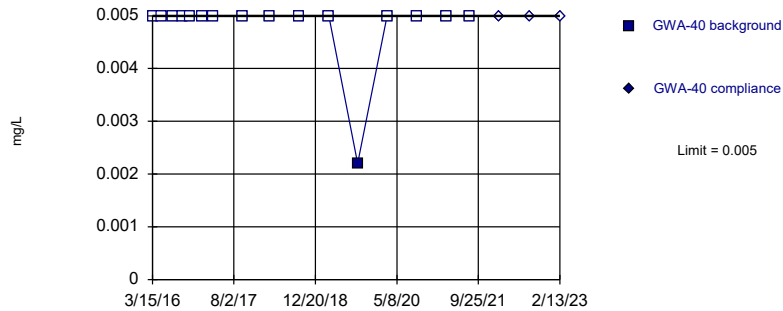


Background Data Summary: Mean=0.03315, Std. Dev.=0.01155, n=32, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9085, critical = 0.904. Kappa = 2.595 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

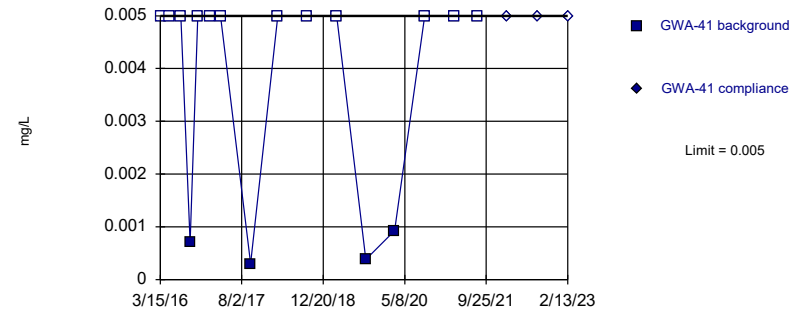


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

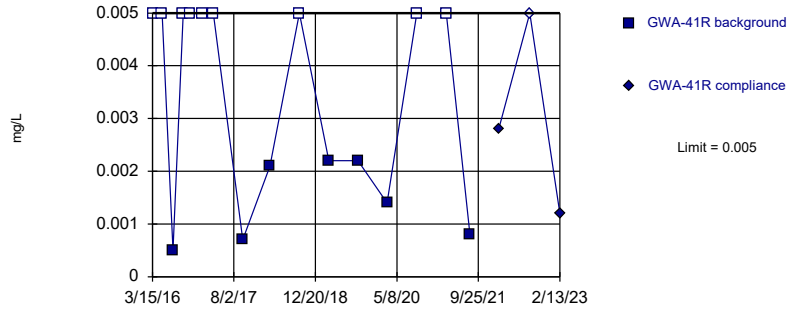


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

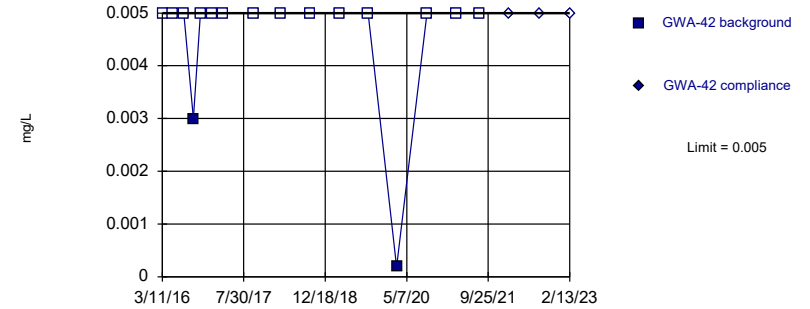


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

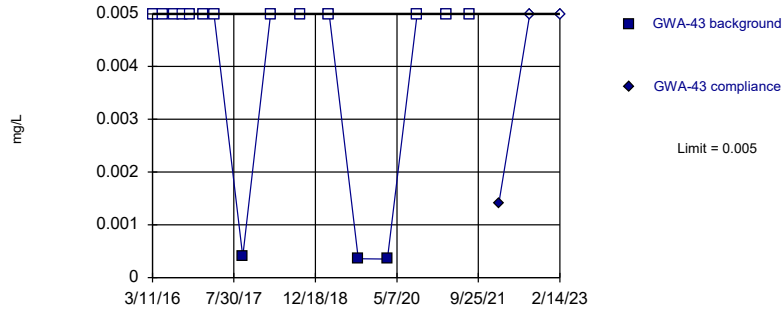


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

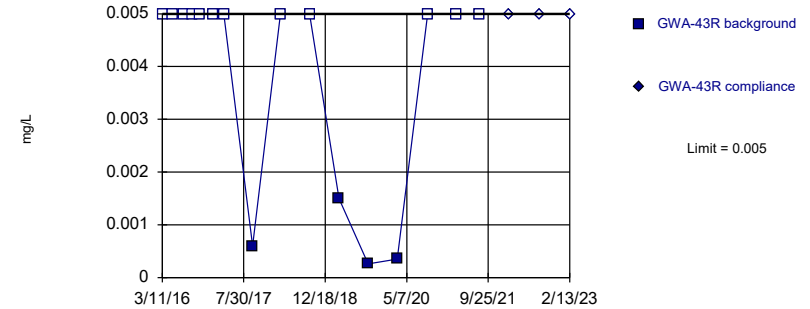


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

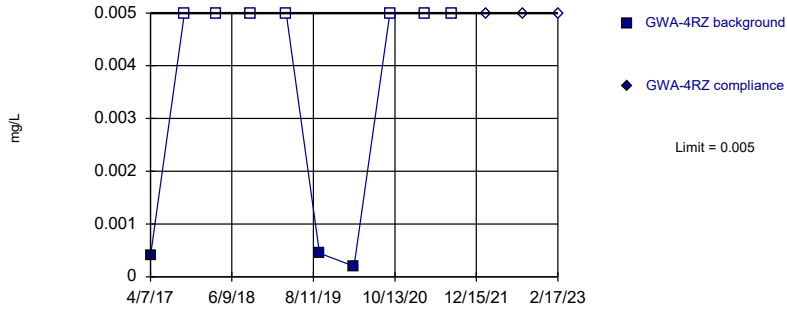


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

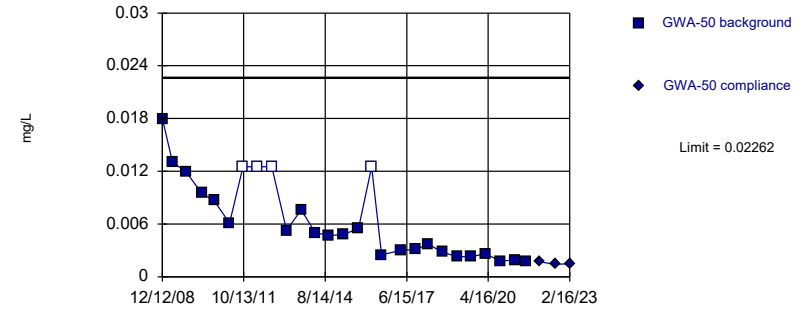


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

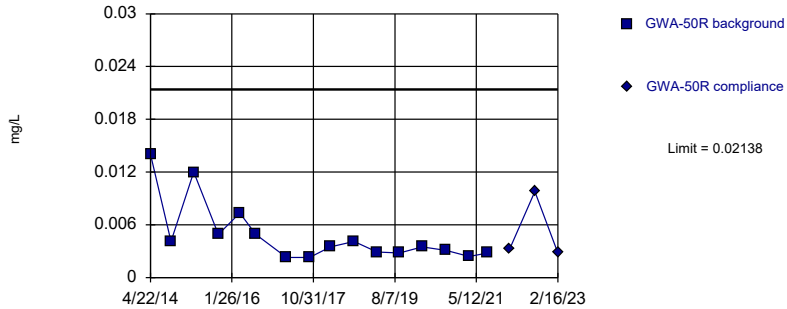


Background Data Summary (based on square root transformation): Mean=0.07647, Std. Dev.=0.02773, n=27, 14.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.894. Kappa = 2.666 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

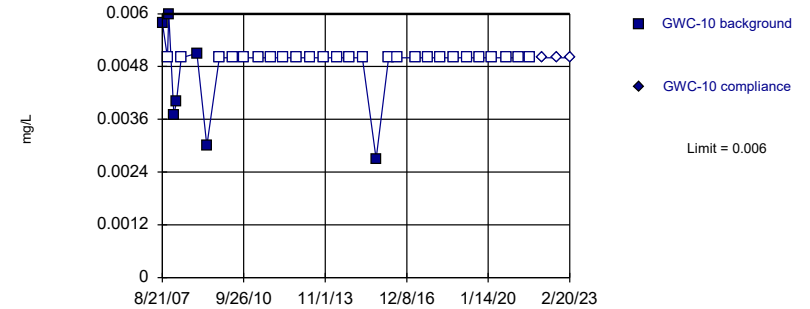


Background Data Summary (based on natural log transformation): Mean=-5.507, Std. Dev.=0.5512, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8598, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

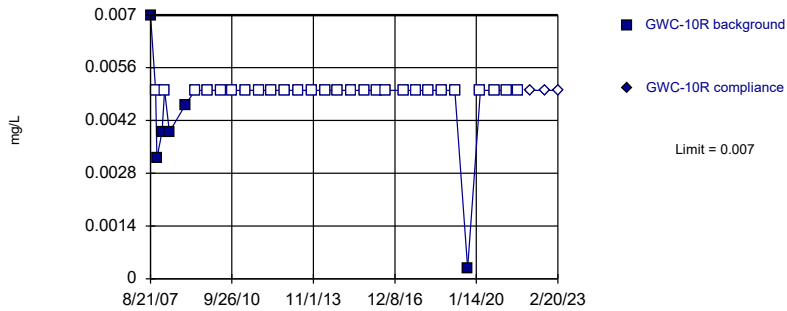


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 78.79% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

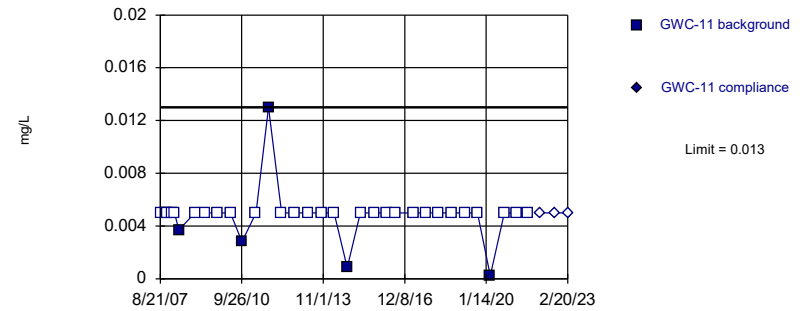


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

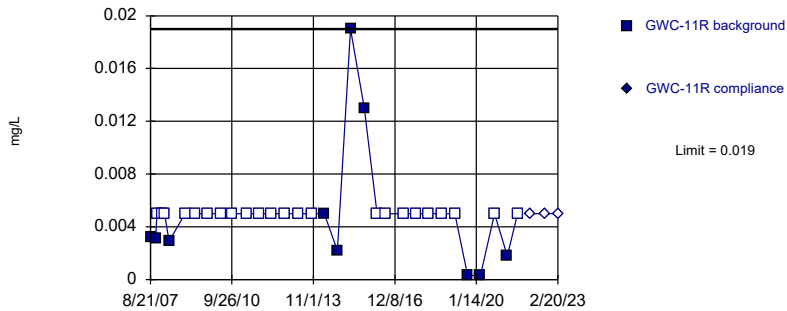


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 84.85% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

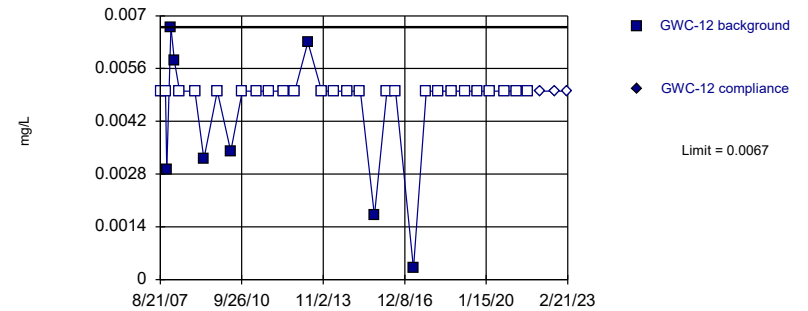


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 69.7% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

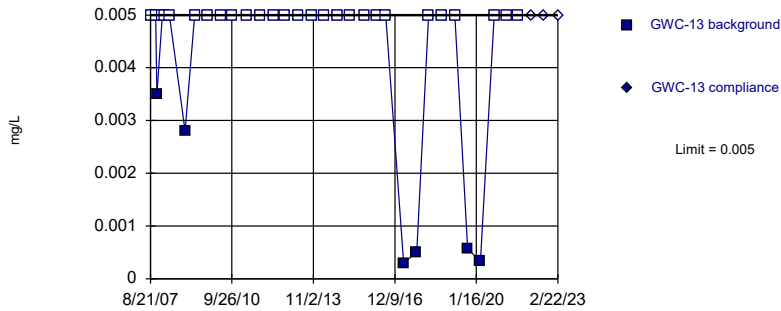


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 75.76% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

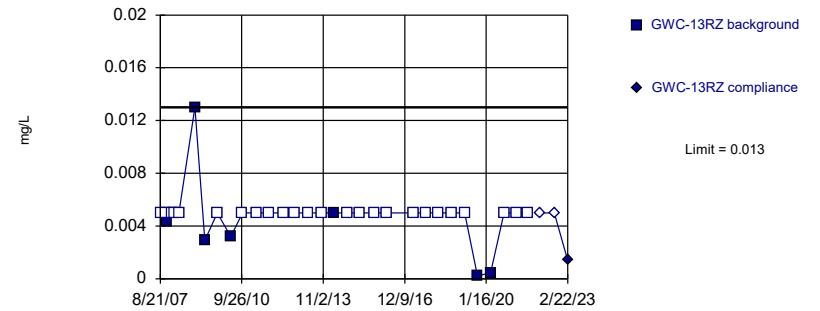


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

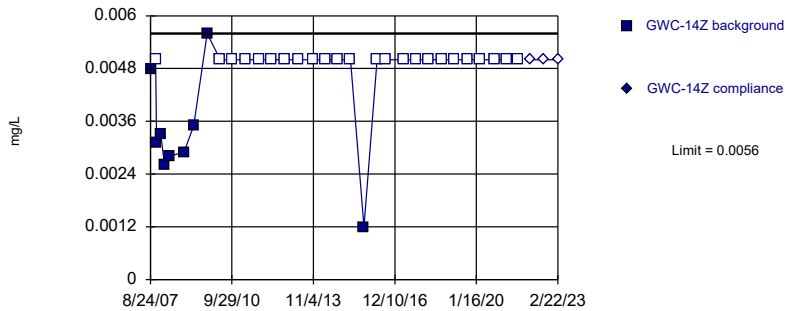


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

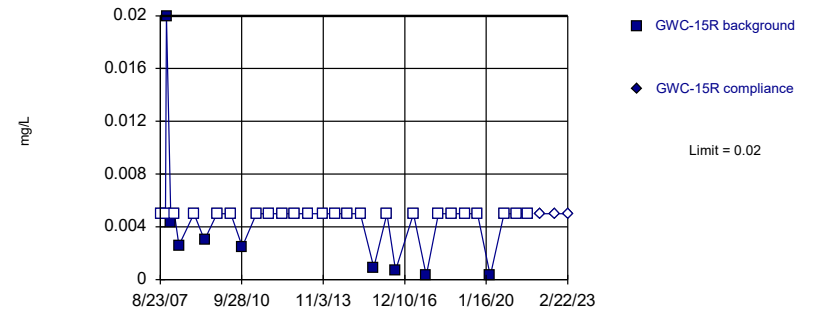


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

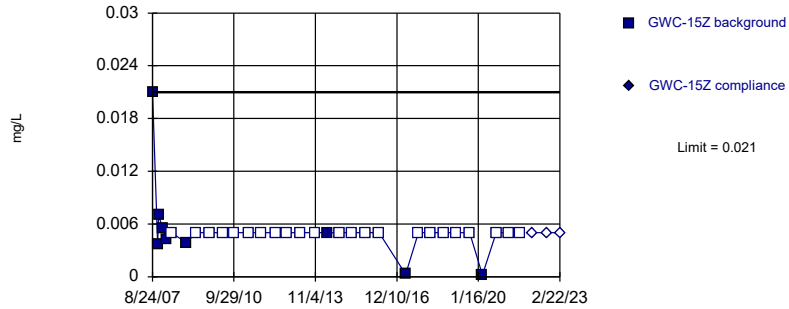


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

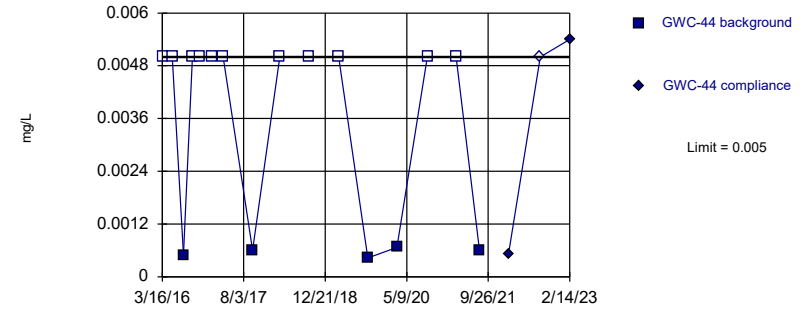


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

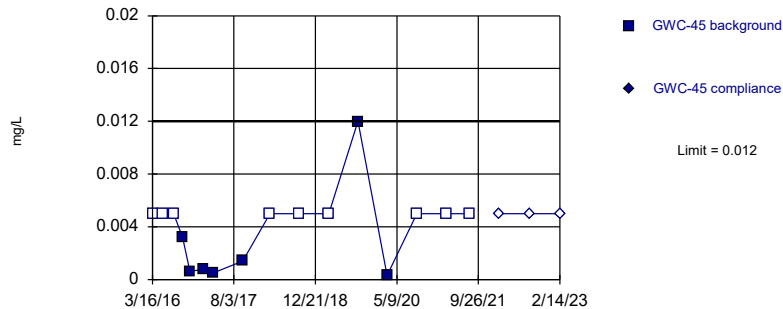


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

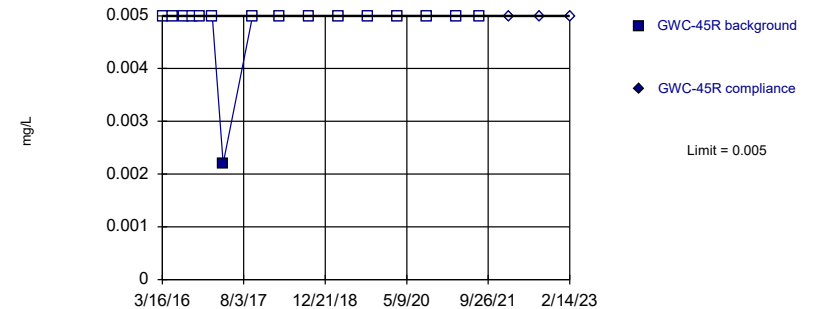


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

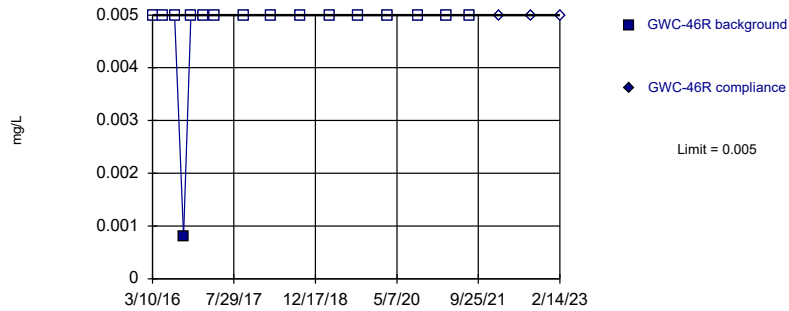


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

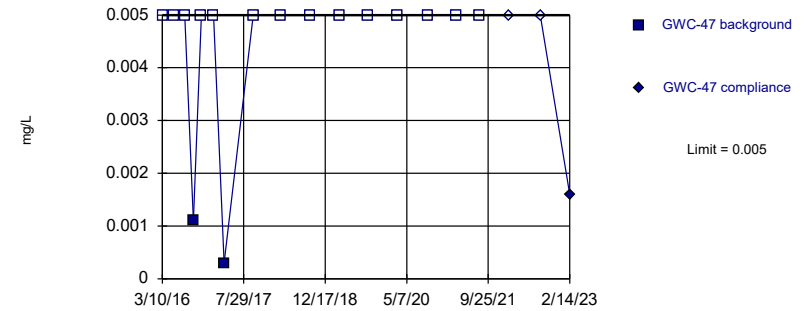


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

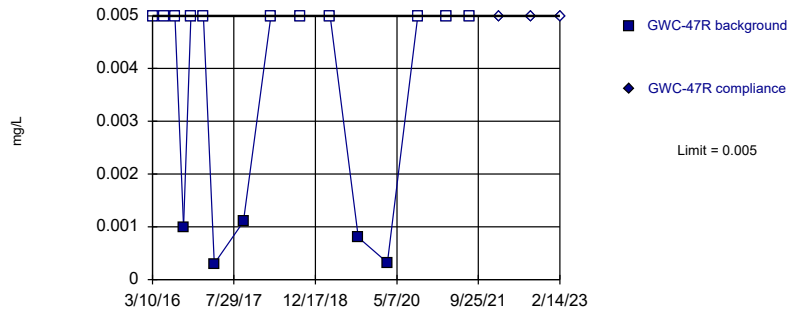


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

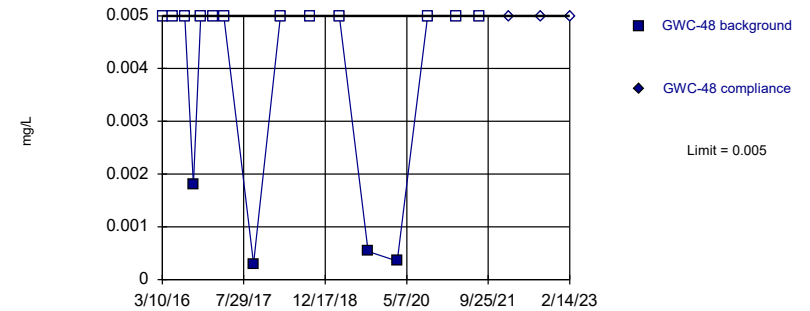


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

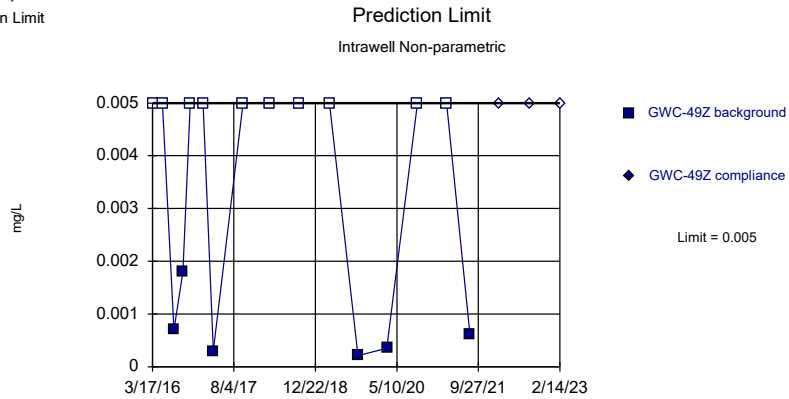
Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

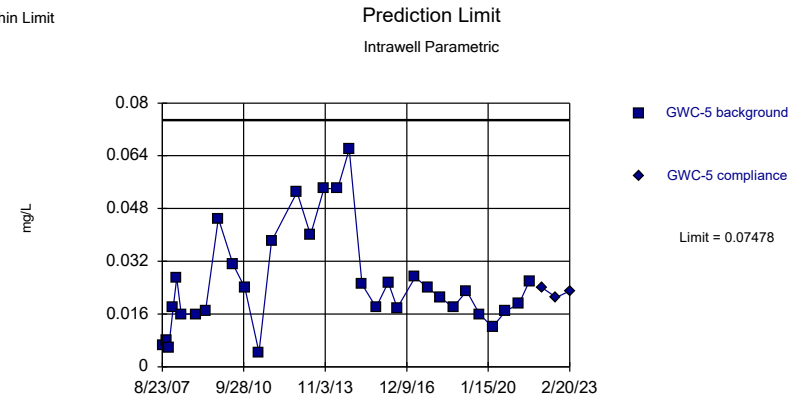
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

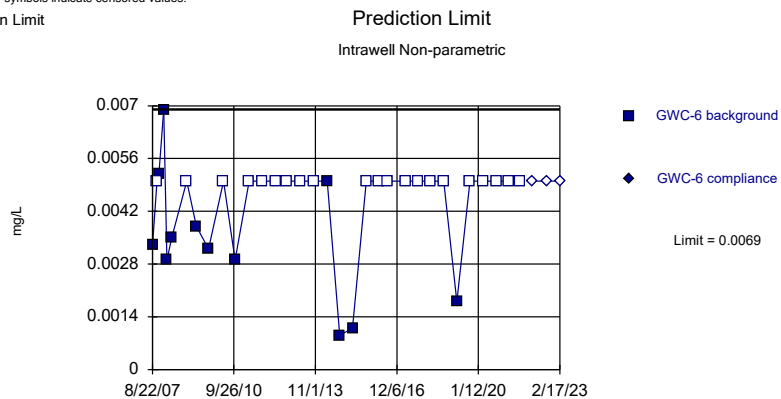
Within Limit



Background Data Summary (based on square root transformation): Mean=0.1527, Std. Dev.=0.04654, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9533, critical = 0.904. Kappa = 2.595 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

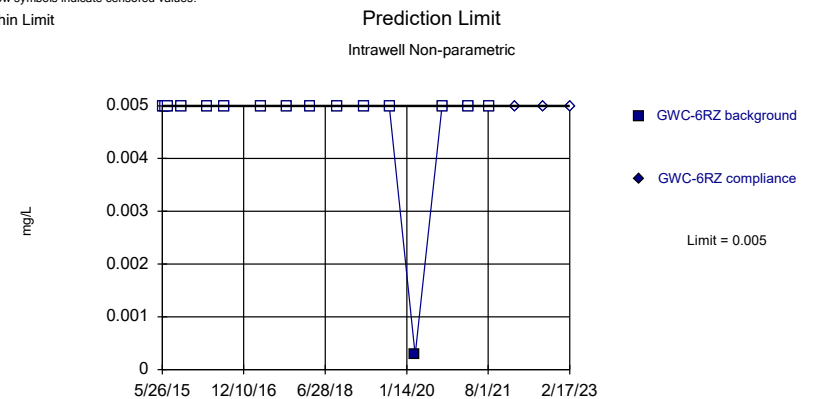
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

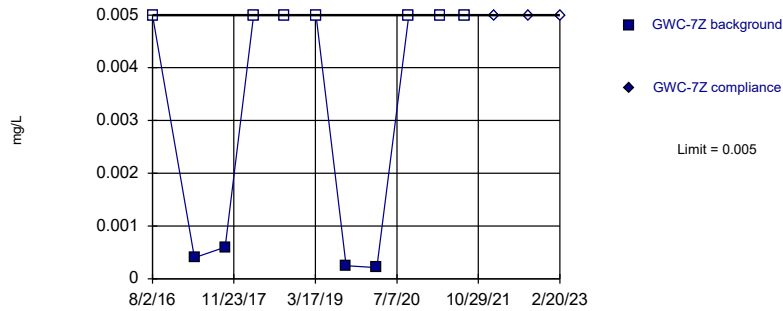


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

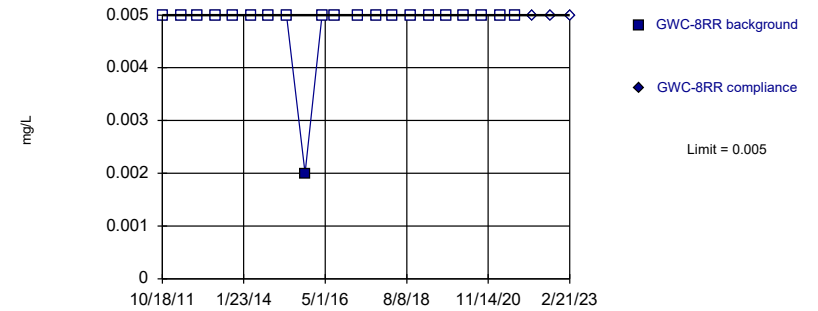


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

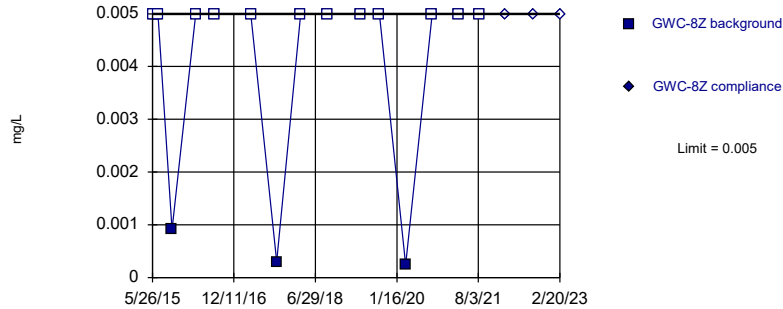


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

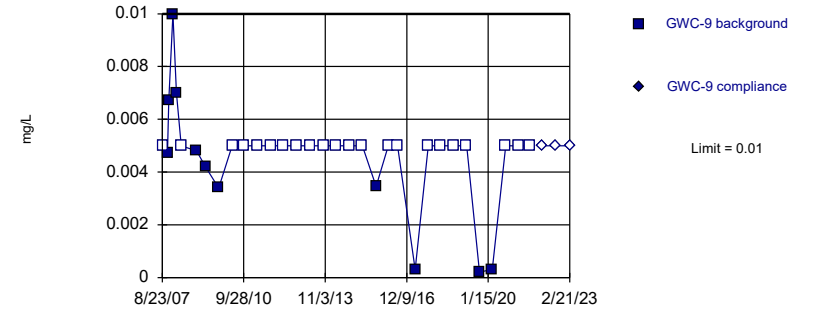


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

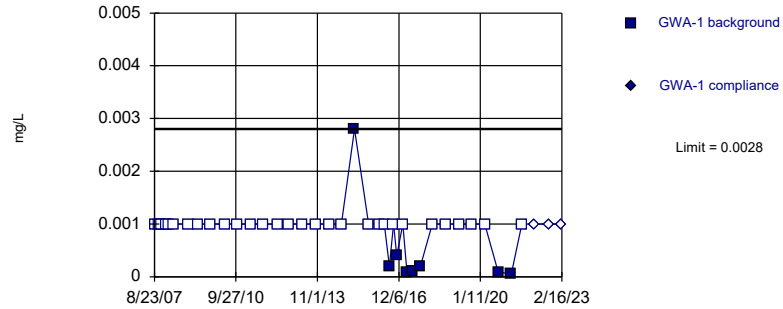


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

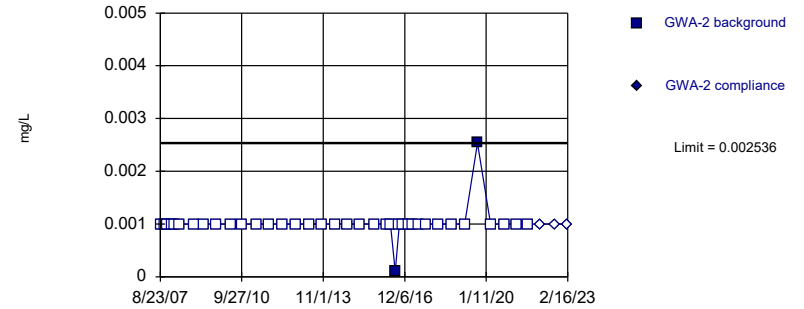


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

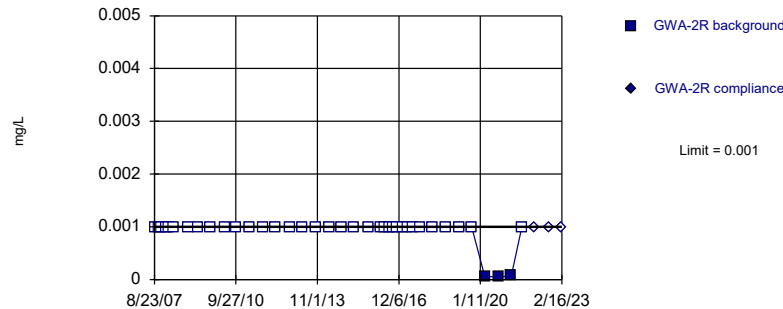


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

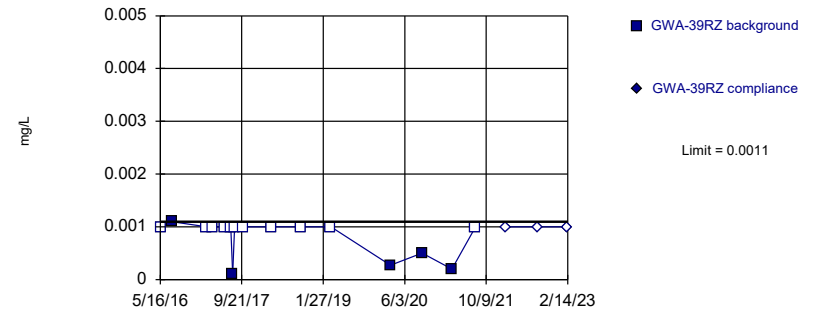


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

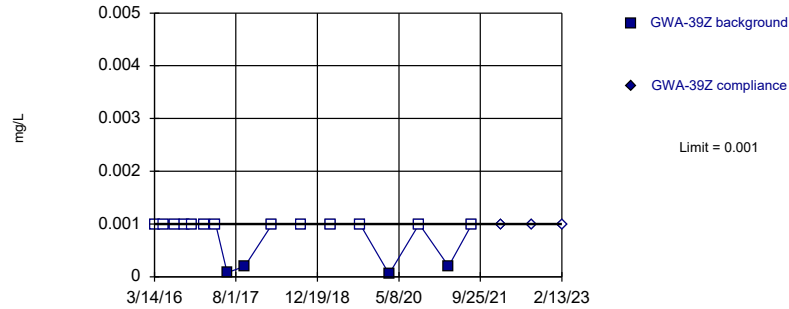


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

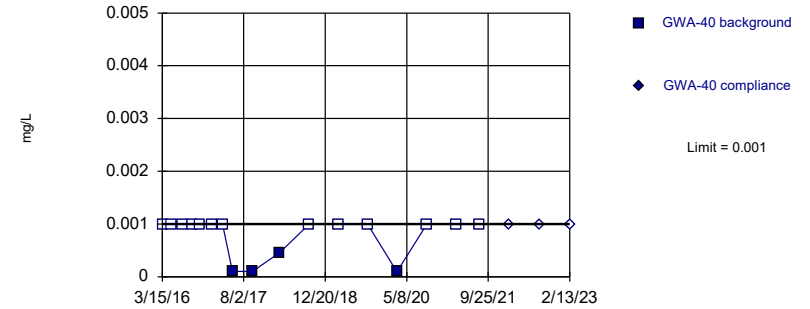


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

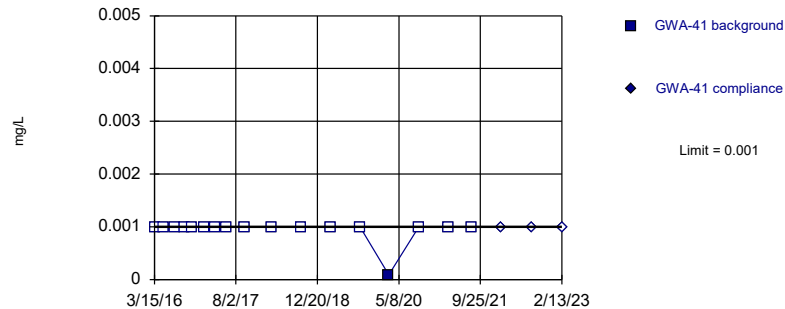


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

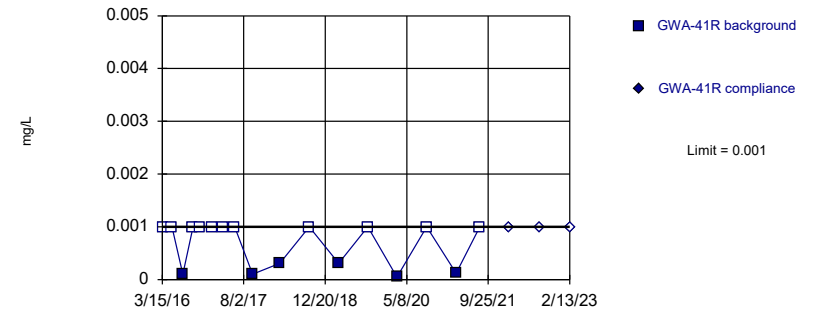


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

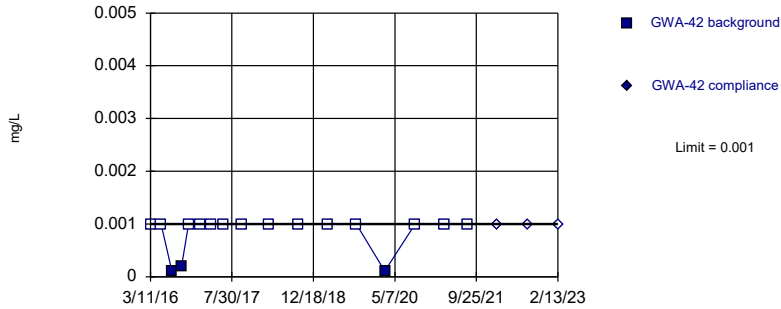


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

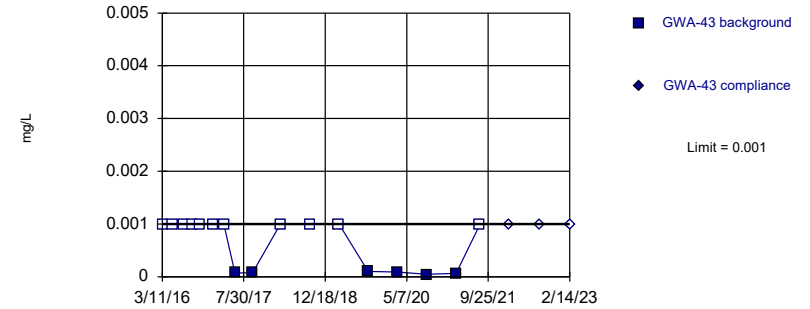


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

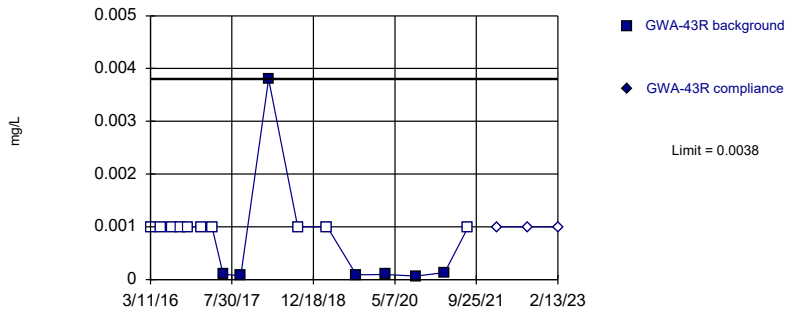


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

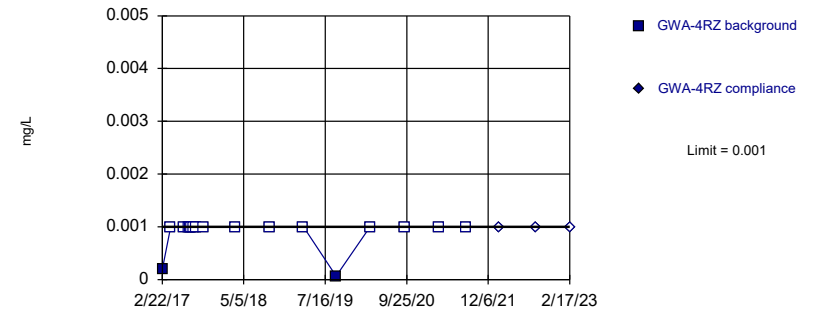


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

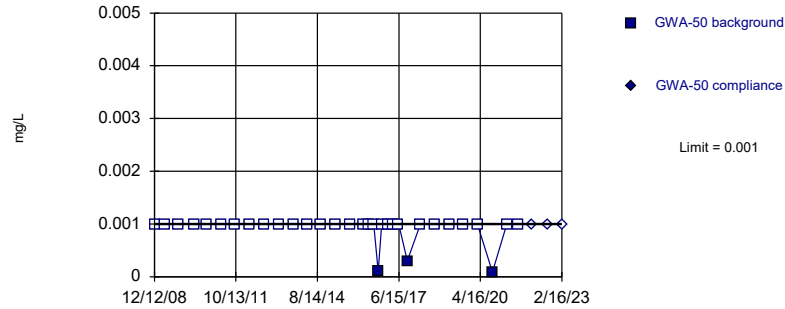


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

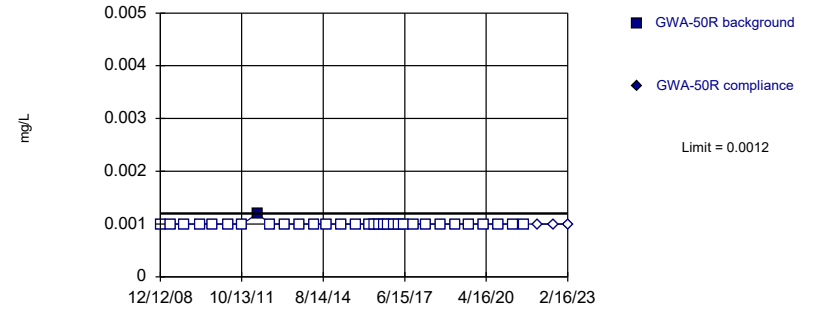


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

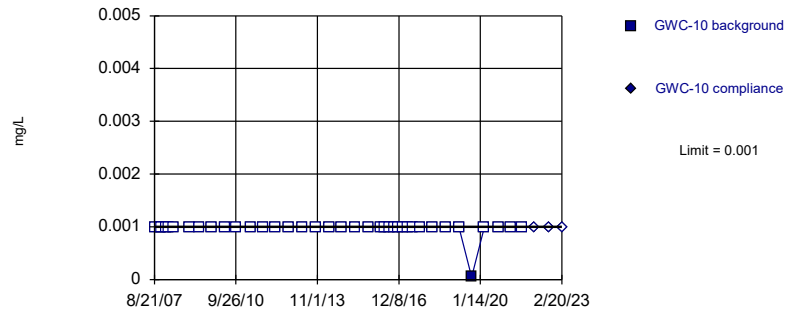


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

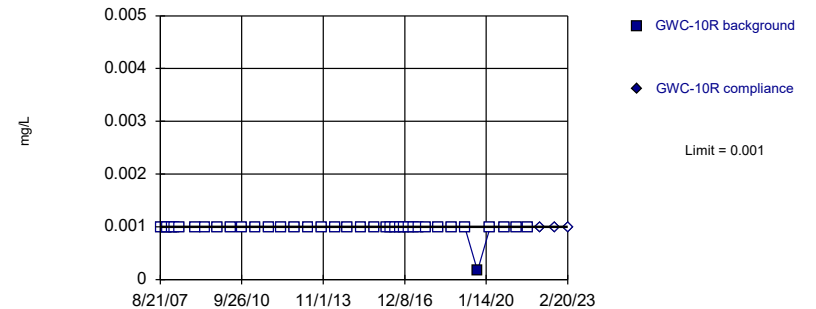


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

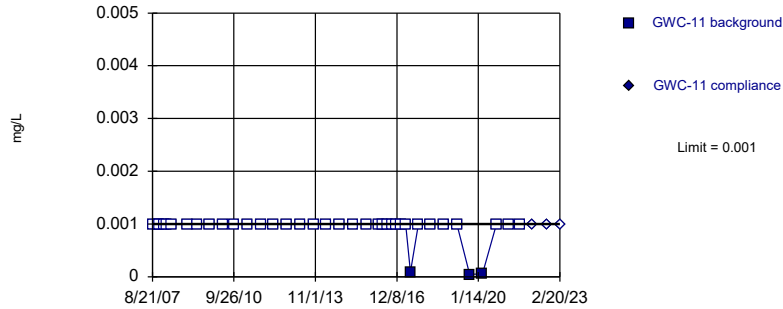


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

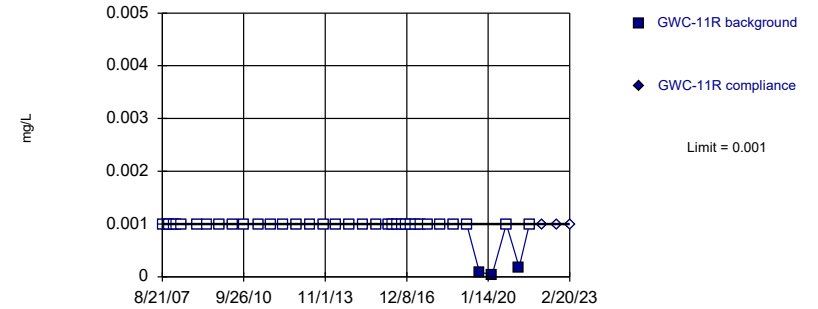


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

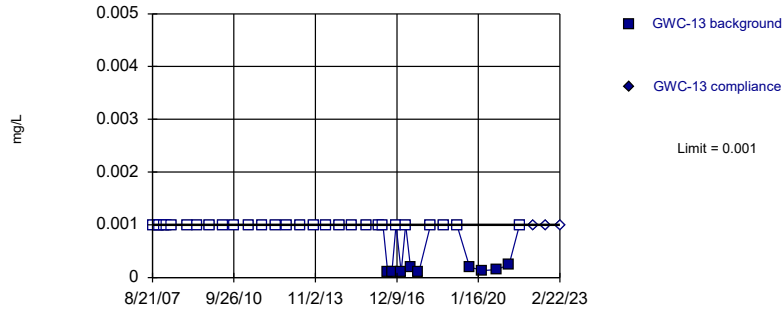


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

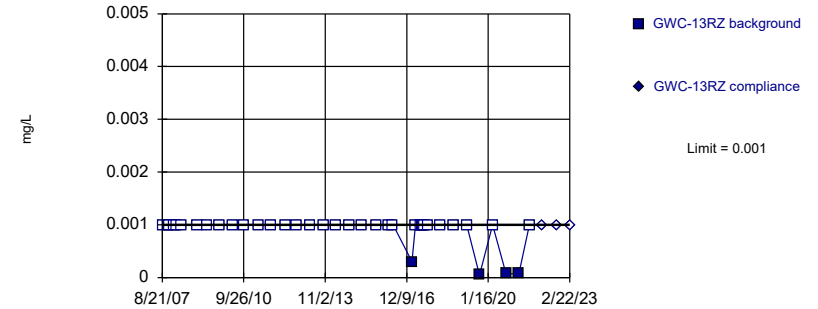


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 76.32% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

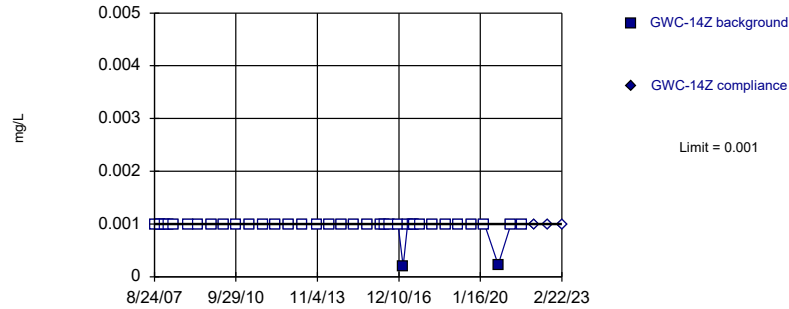


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

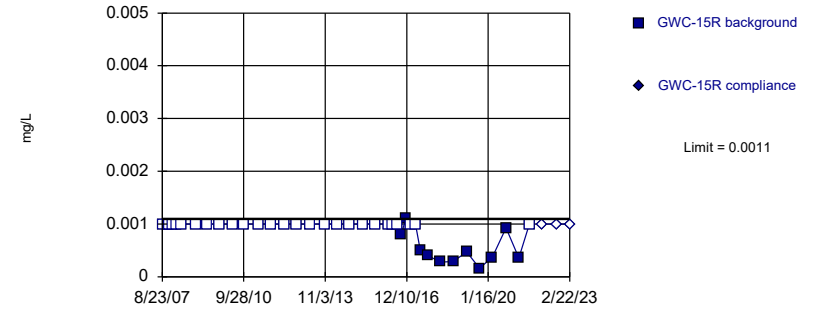


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

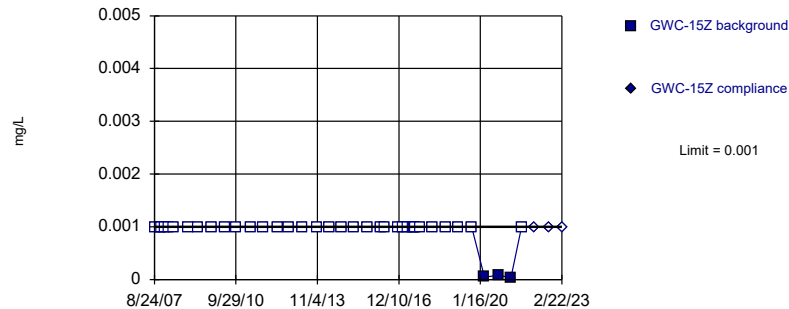


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

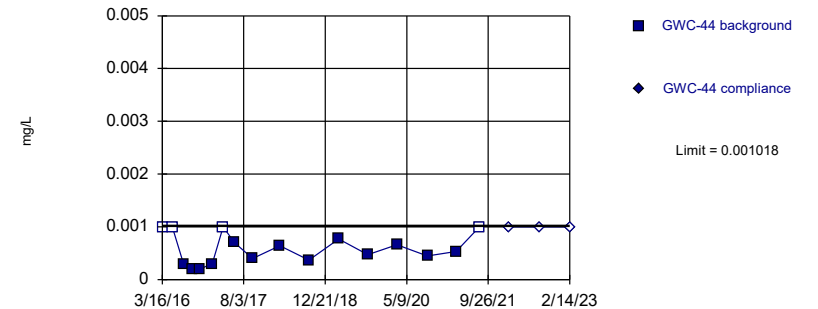


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

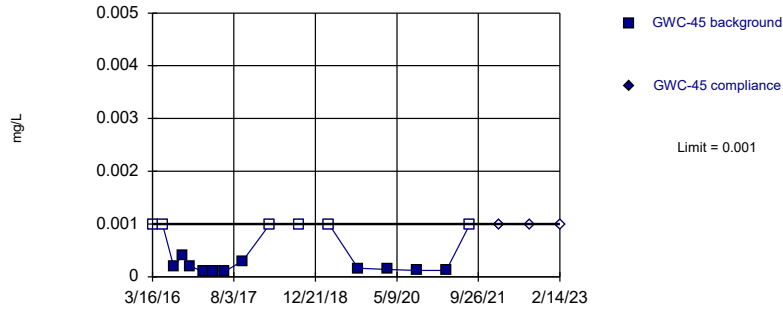


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0004531, Std. Dev.=0.0001903, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9039, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

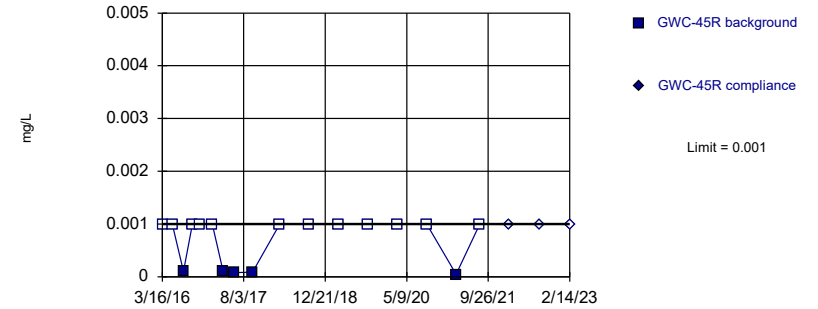


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 35.29% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

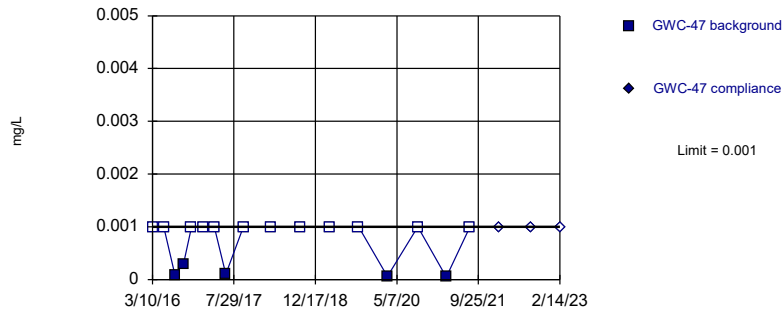


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

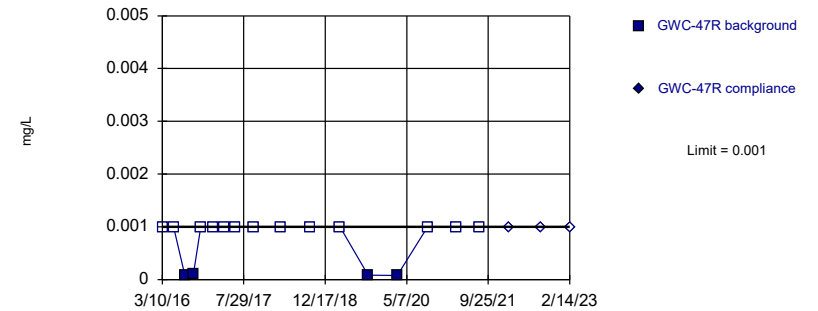


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

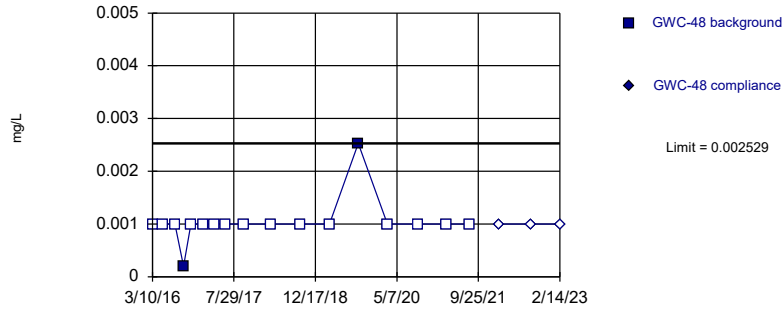


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

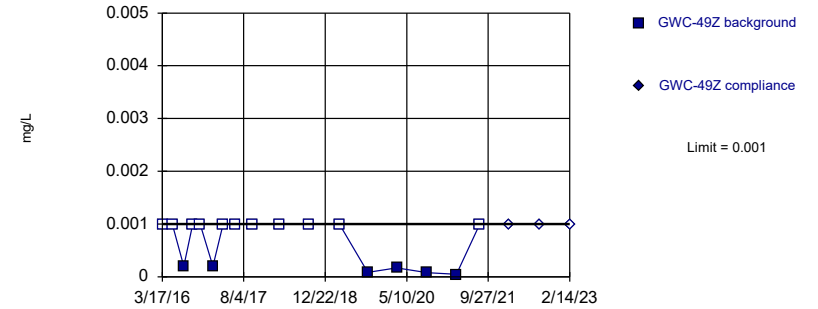


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

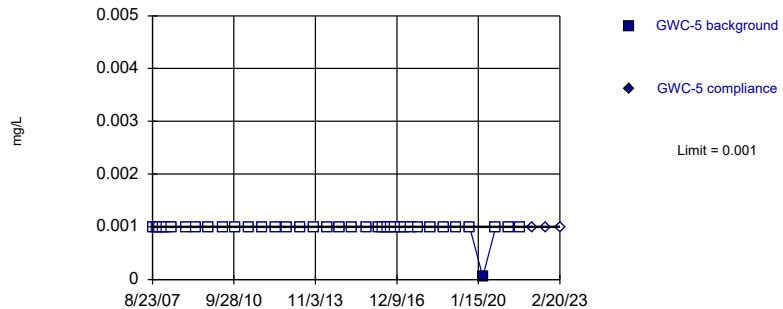


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

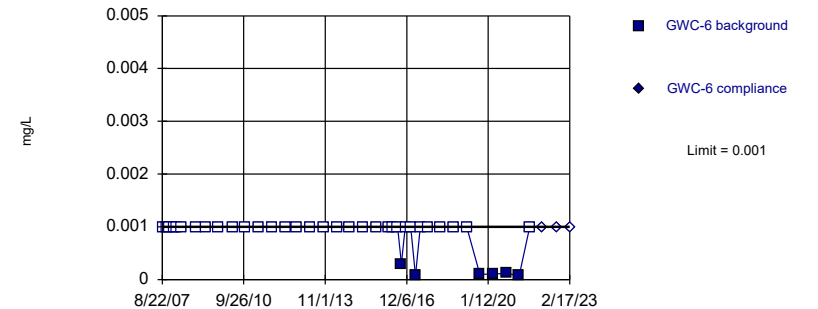


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

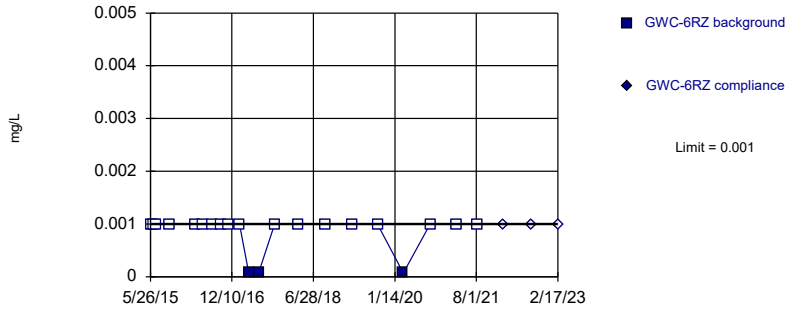


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

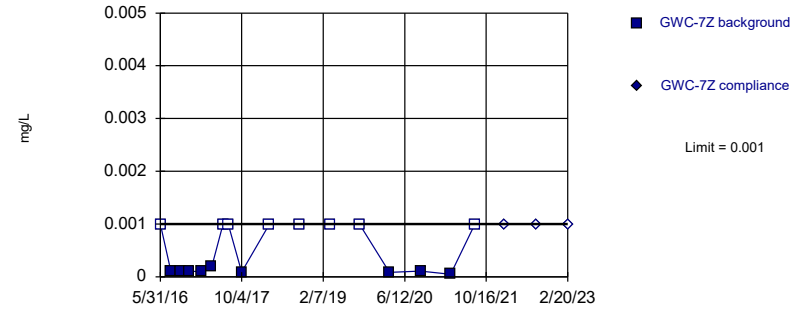


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

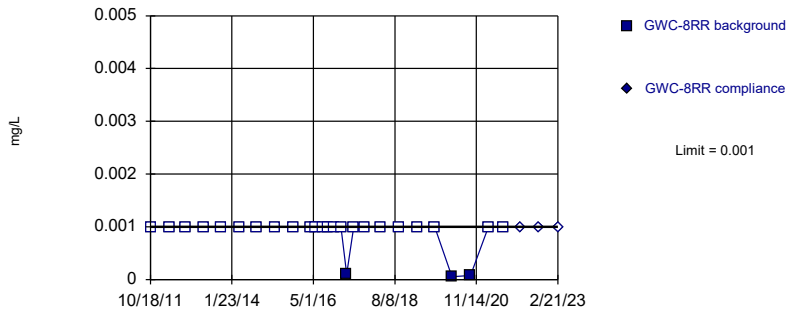


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 47.06% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

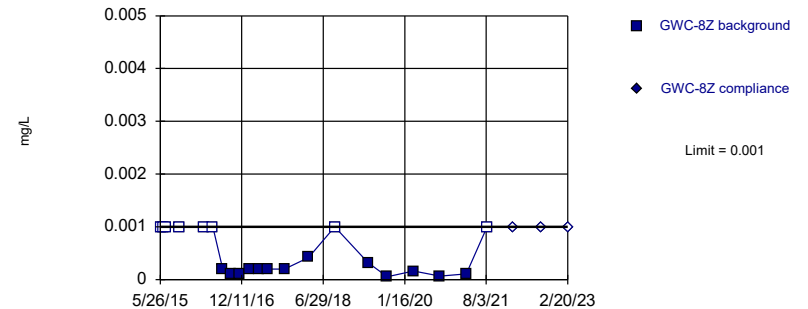


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

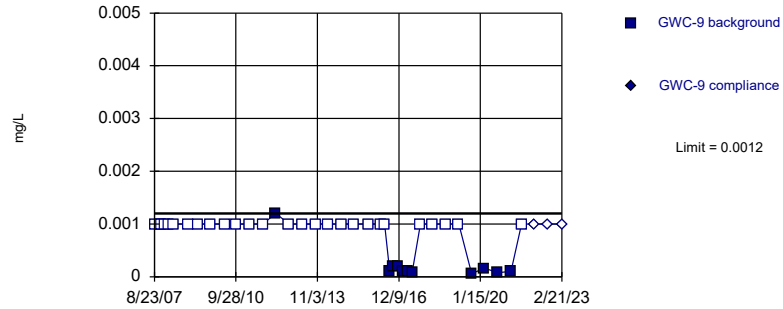


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

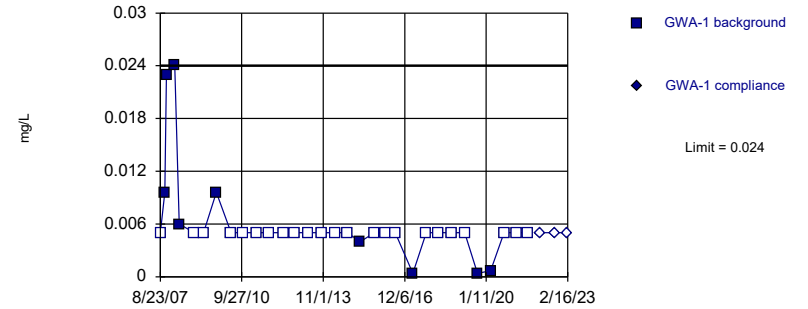


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

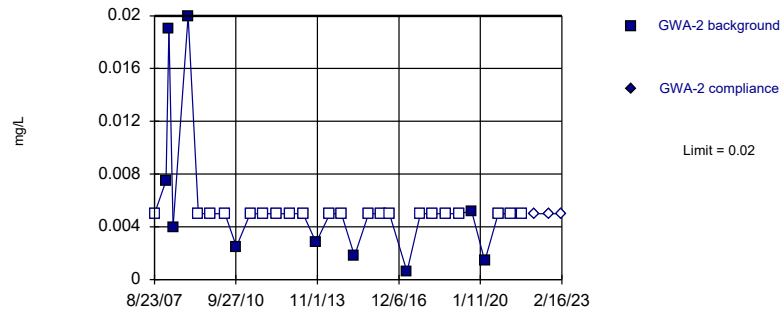


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

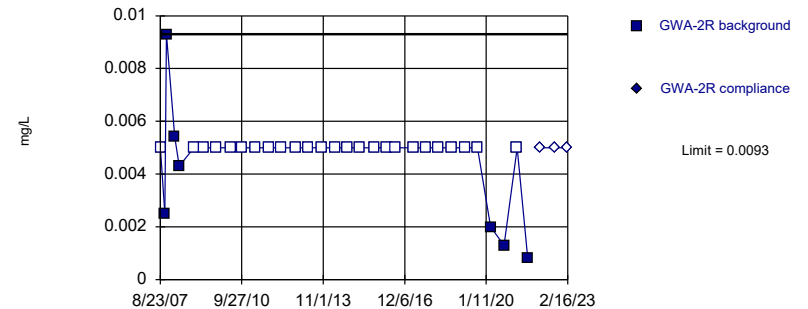


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 67.74% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

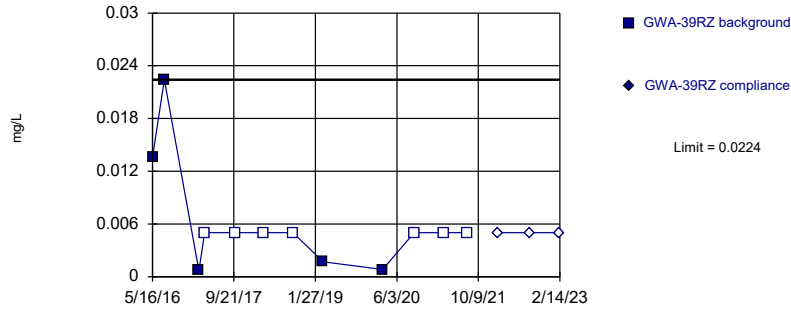


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

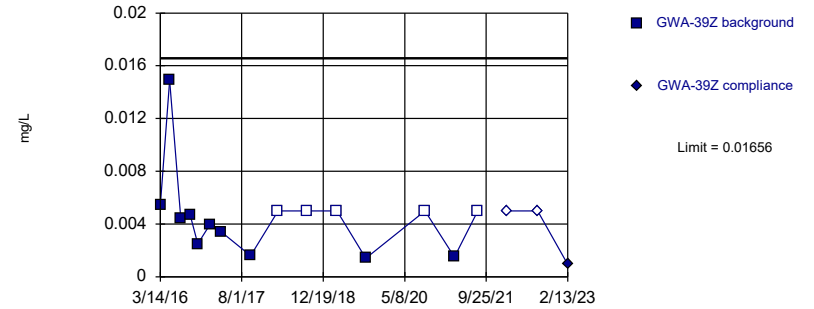


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

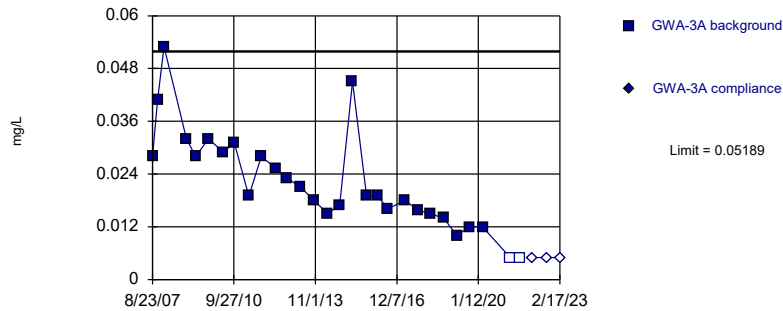


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1494, Std. Dev.=0.03401, n=15, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8471, critical = 0.835. Kappa = 3.102 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

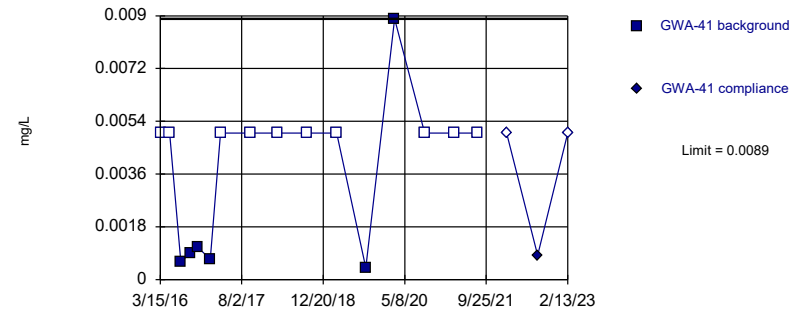


Background Data Summary: Mean=0.02228, Std. Dev.=0.01125, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

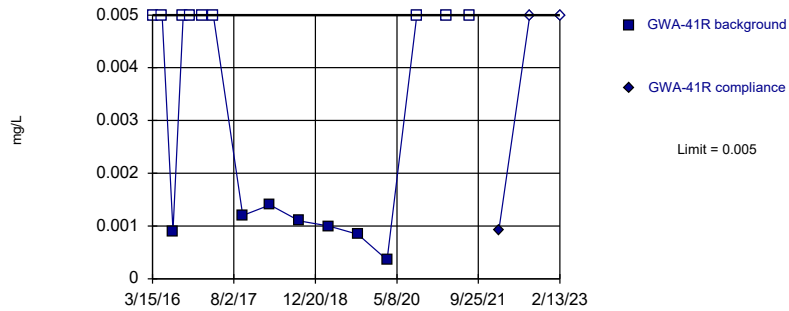


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

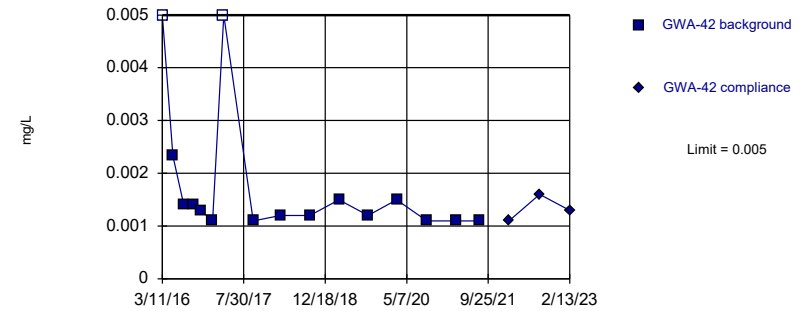


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

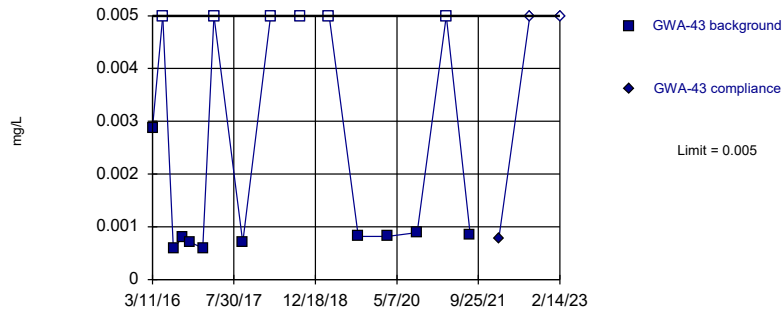


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

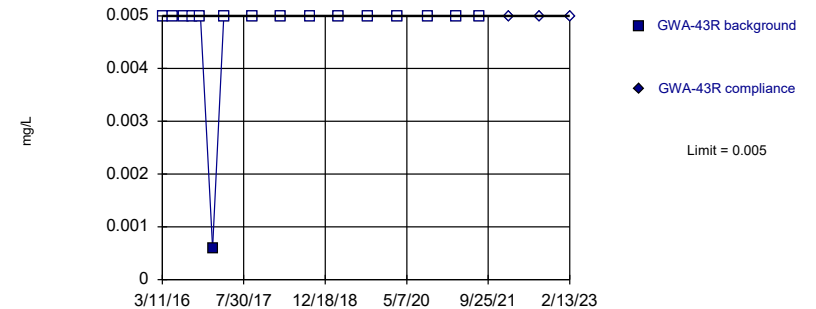


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

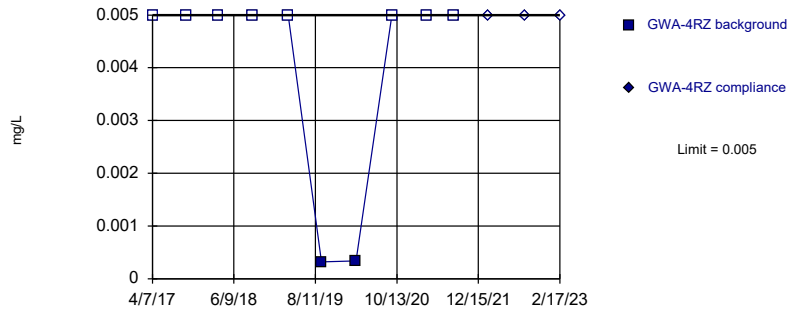


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

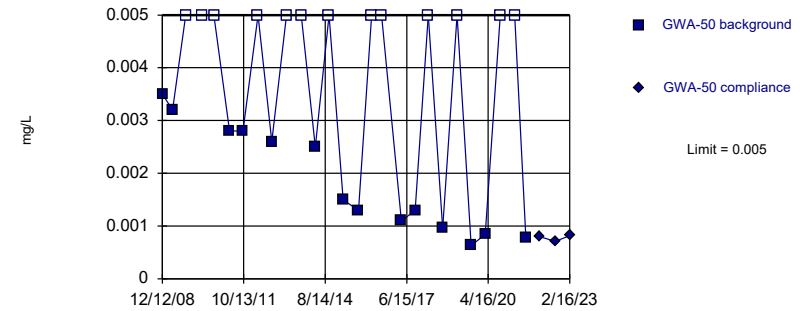


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

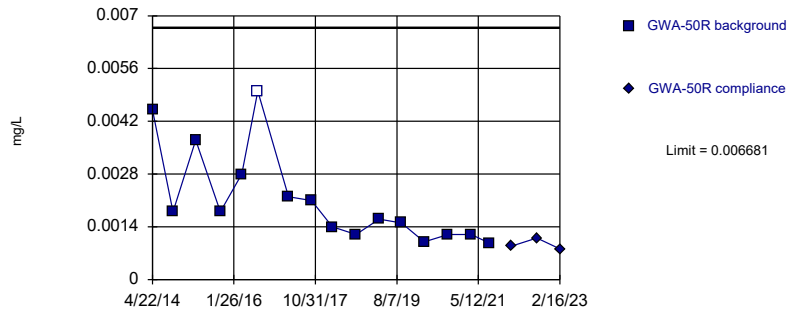


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 48.15% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

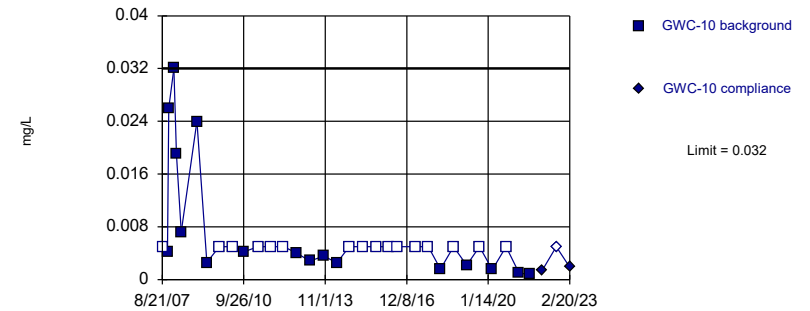


Background Data Summary (based on square root transformation): Mean=0.0445, Std. Dev.=0.01236, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8726, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

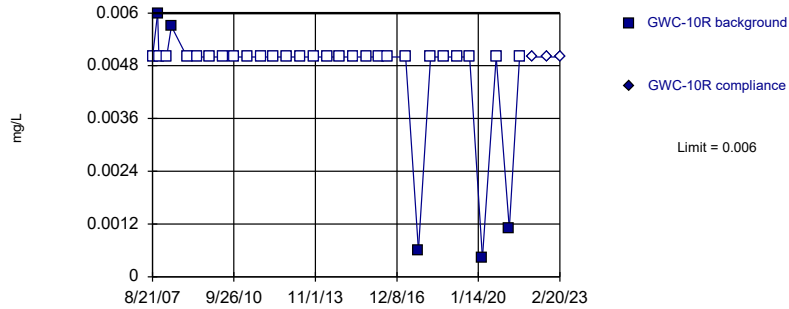


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 48.48% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

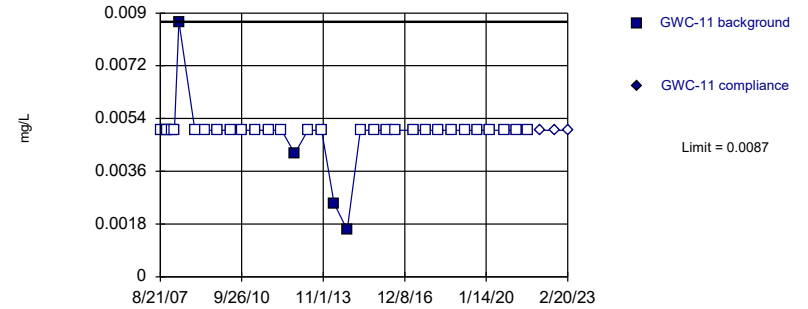


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

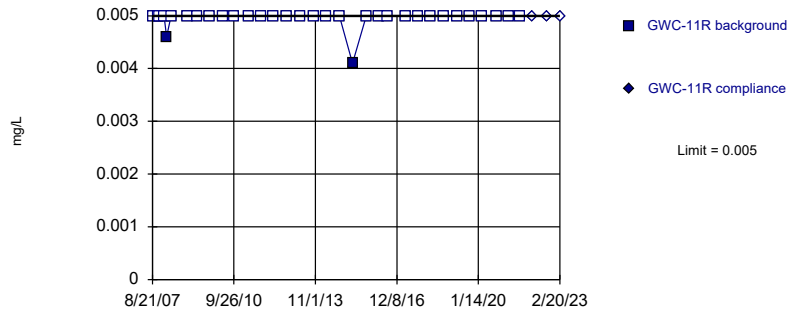


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 87.88% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

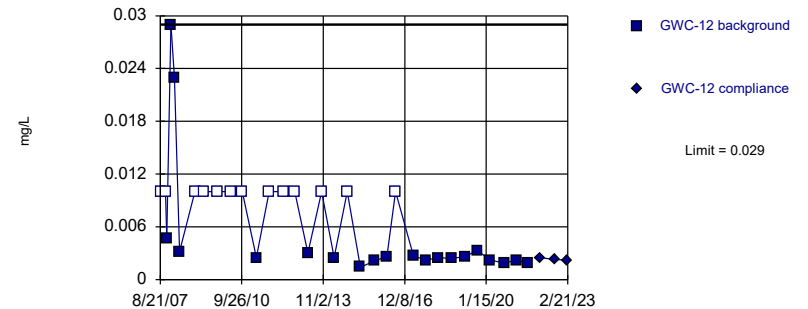


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.94% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

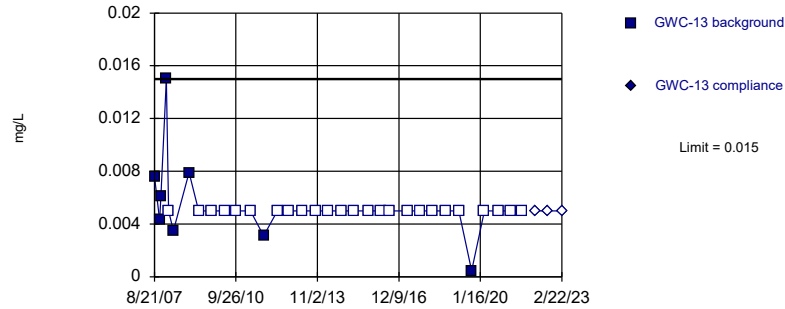


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 39.39% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

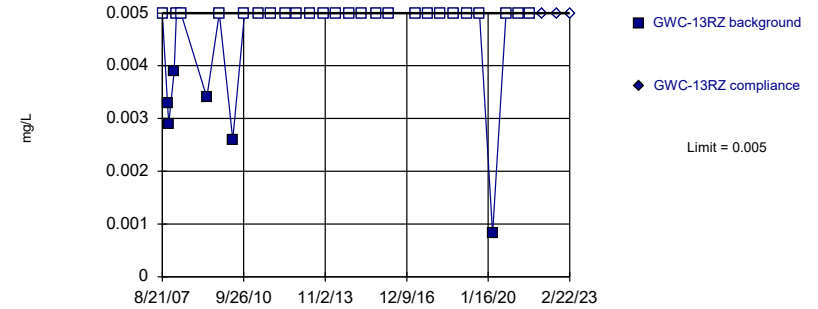


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 75.76% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

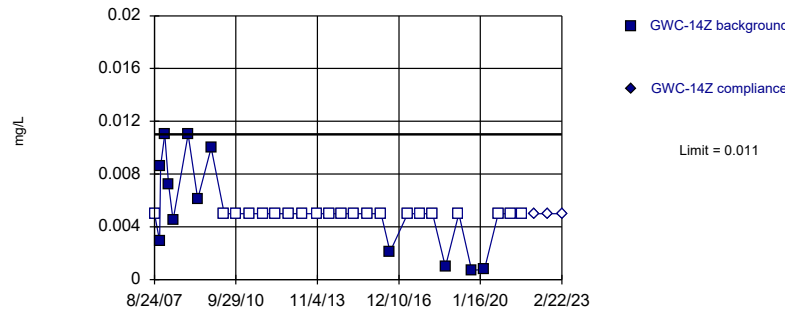


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 80.65% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

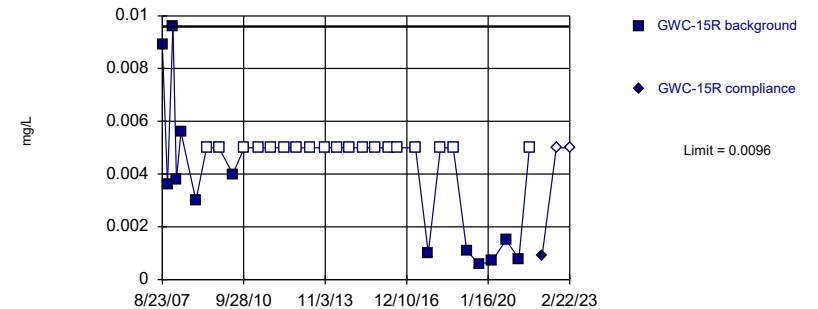


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

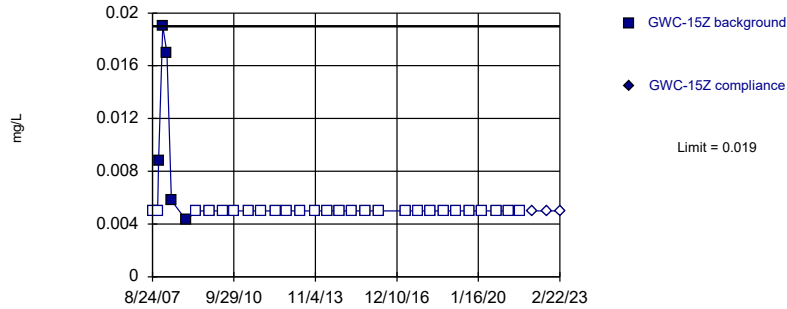


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 59.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

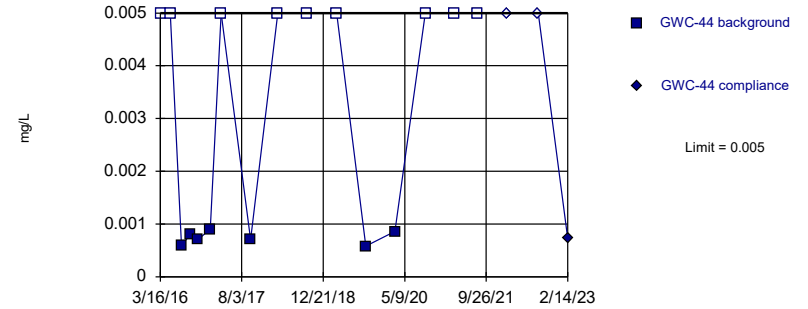


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

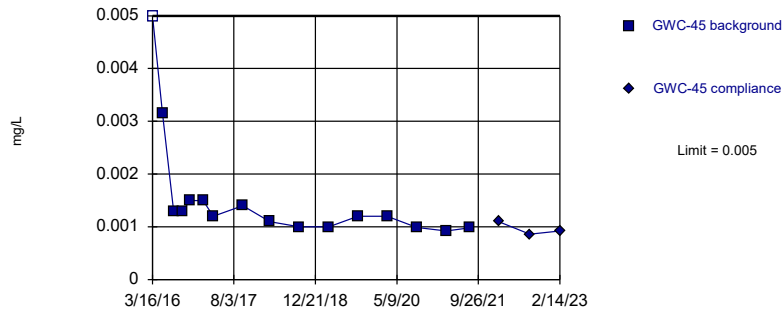


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

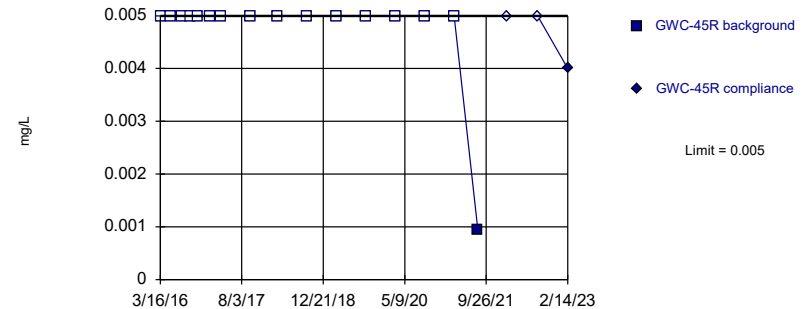


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 6.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

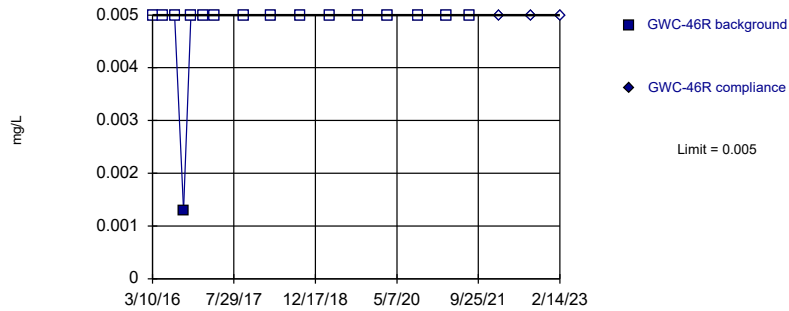


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

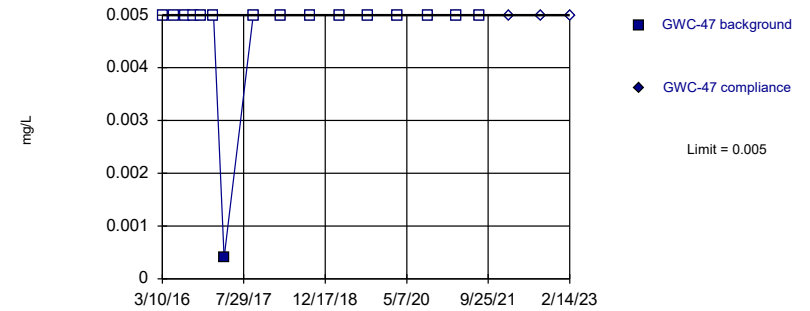


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

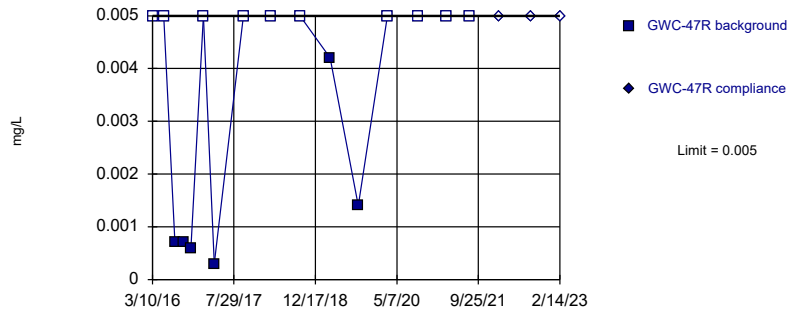


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

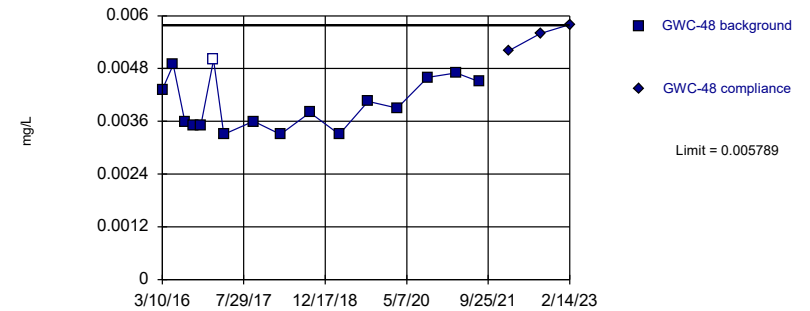


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

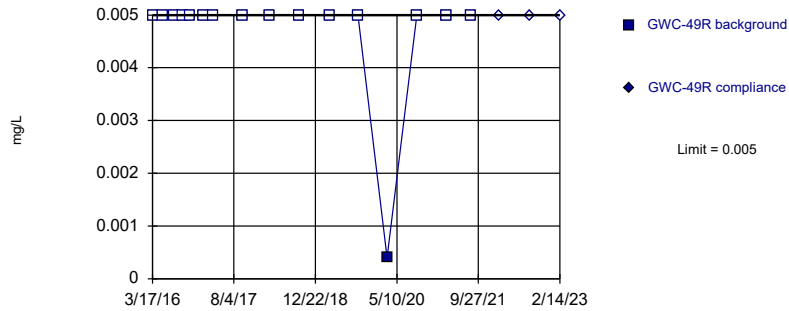


Background Data Summary: Mean=0.003991, Std. Dev.=0.0005964, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9026, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

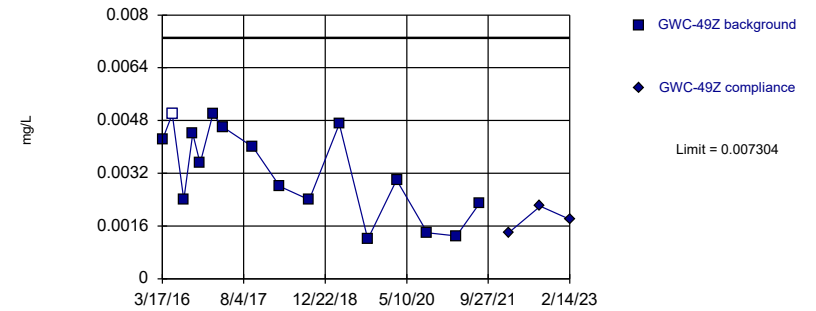


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

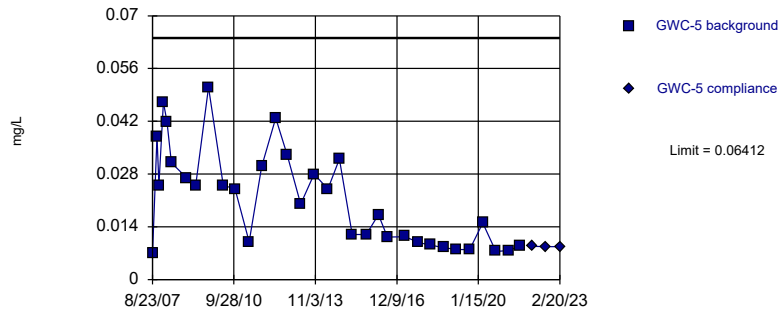


Background Data Summary: Mean=0.003263, Std. Dev.=0.001341, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9159, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

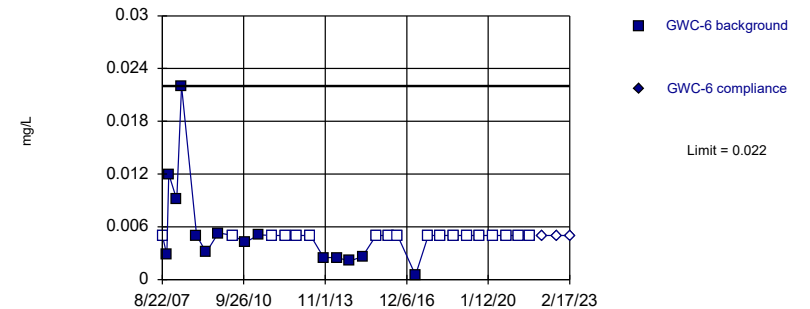


Background Data Summary (based on square root transformation): Mean=0.14, Std. Dev.=0.04382, n=33. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9113, critical = 0.906. Kappa = 2.584 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

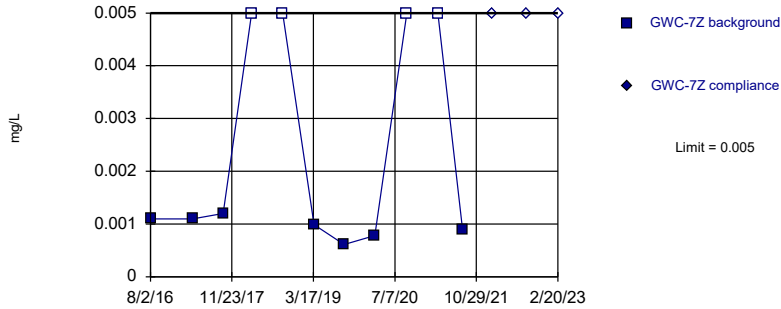


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

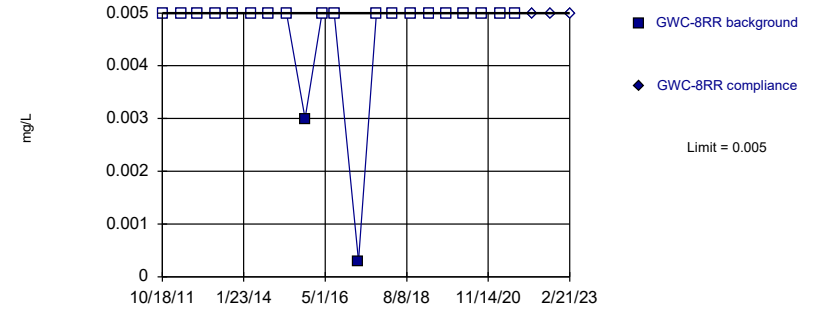


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

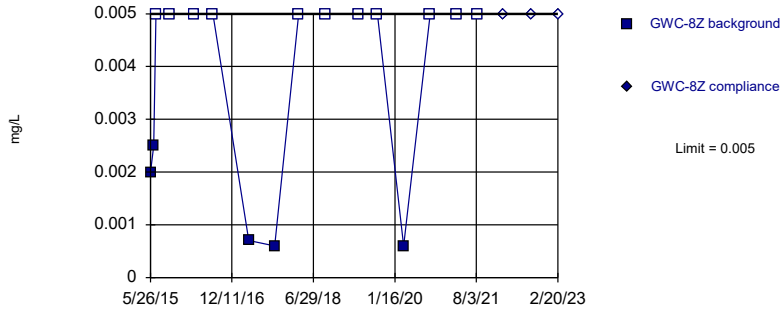


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

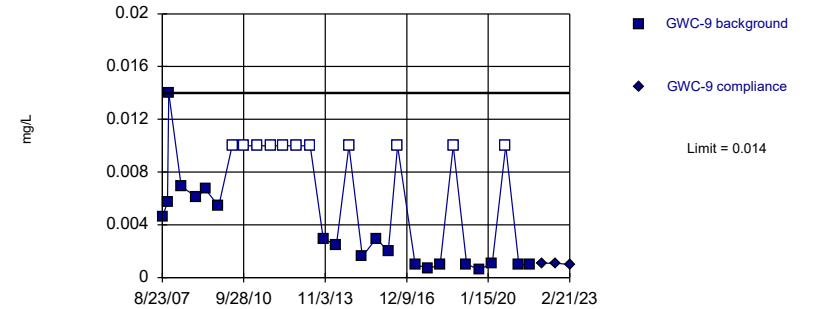


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

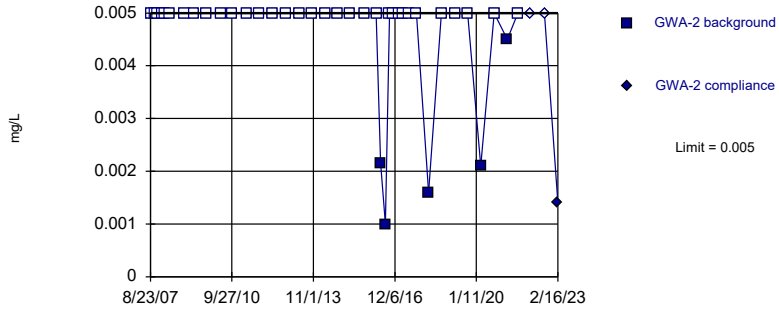


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 35.48% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

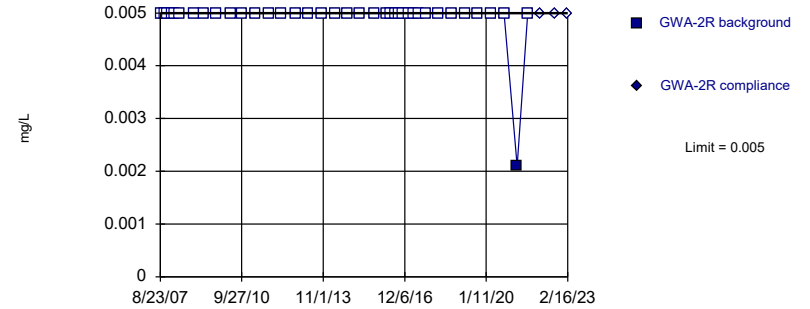


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

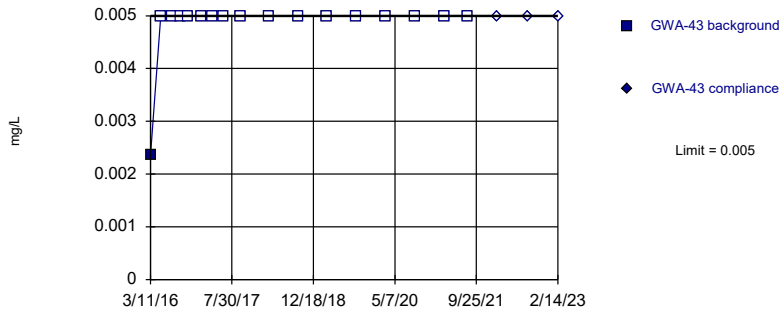


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

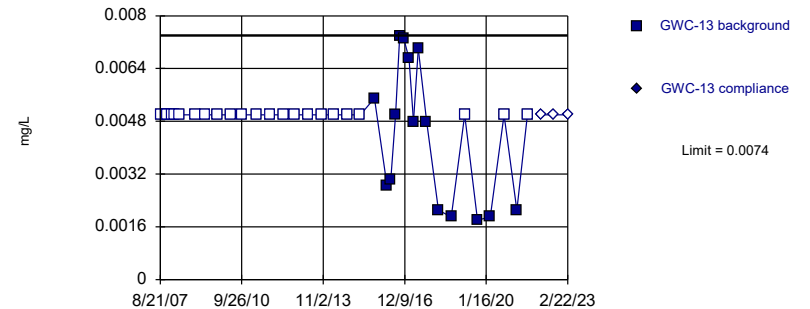


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.011179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

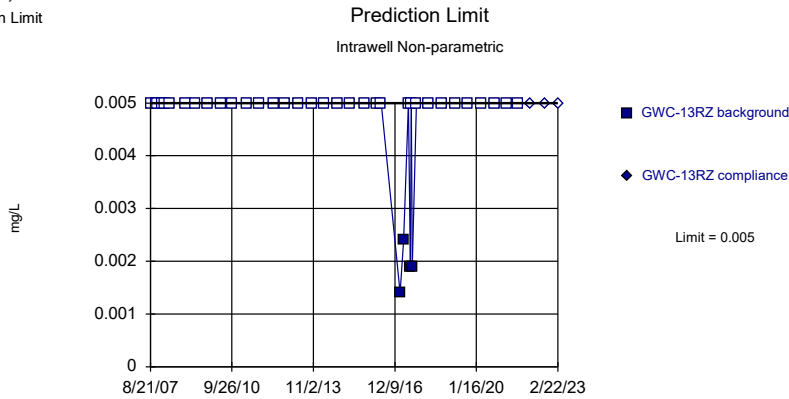
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 60.53% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

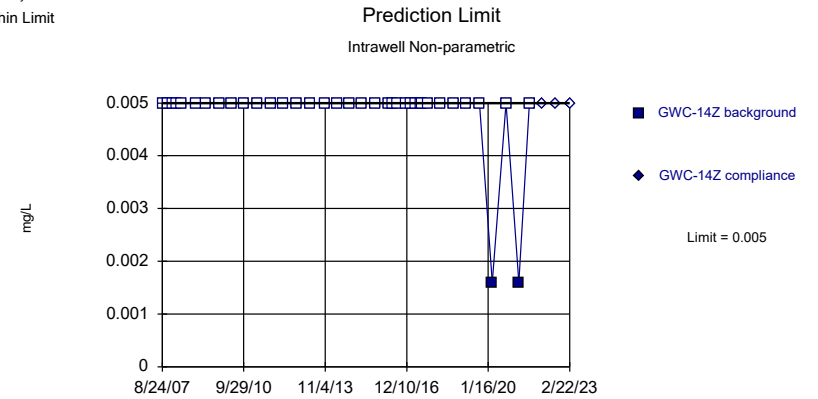
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

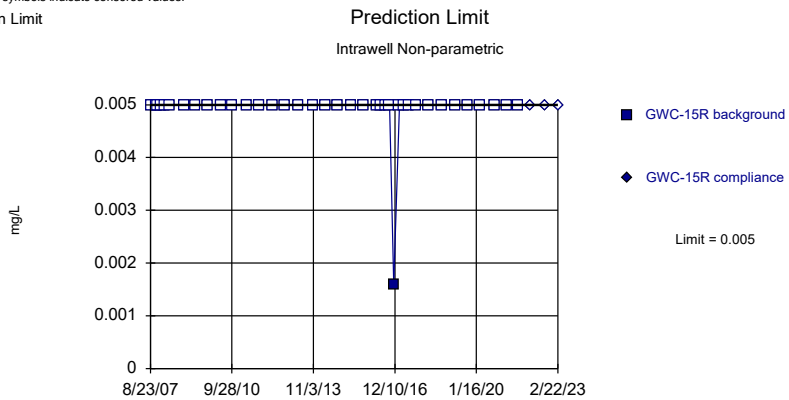
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

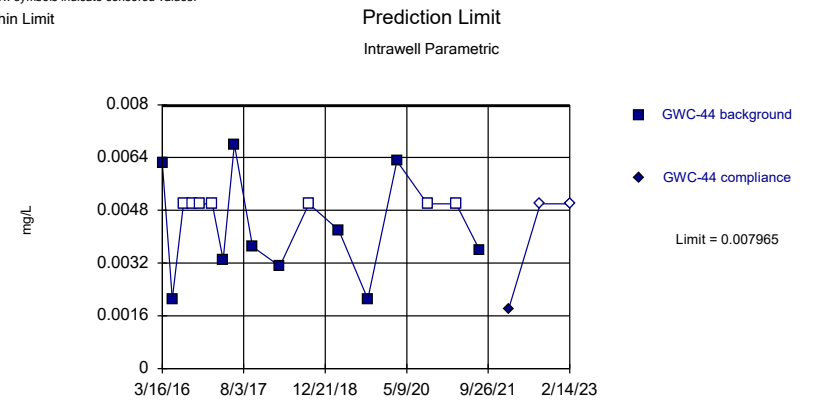
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

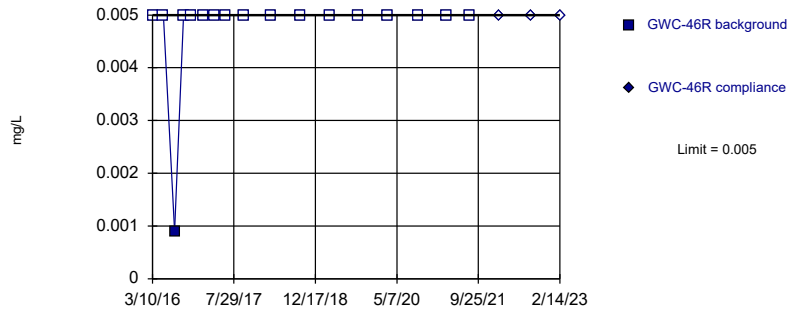


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003736, Std. Dev.=0.001425, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

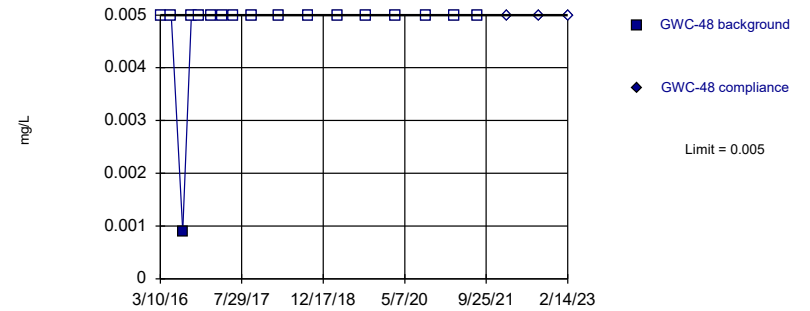


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

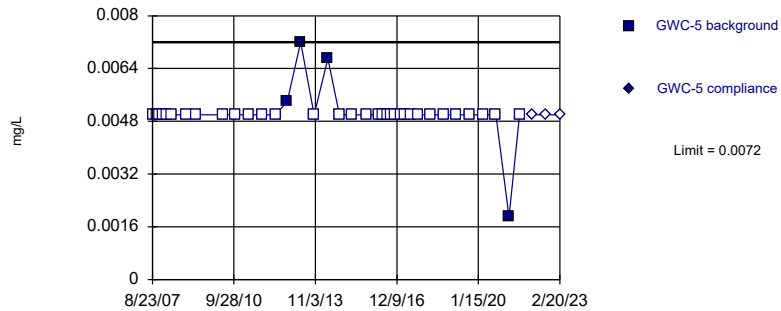


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

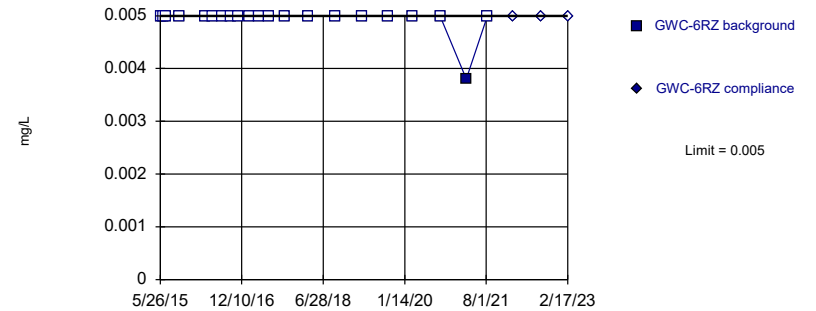


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 89.19% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

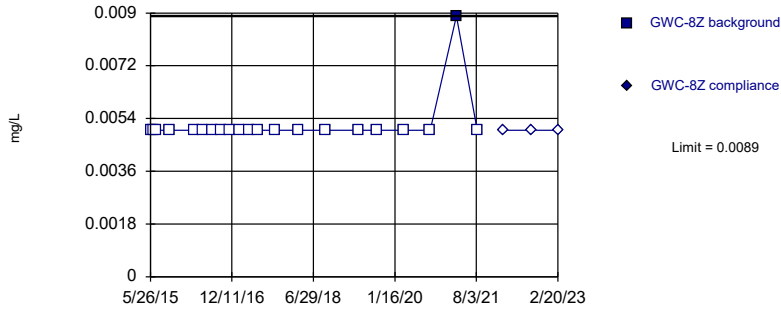


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

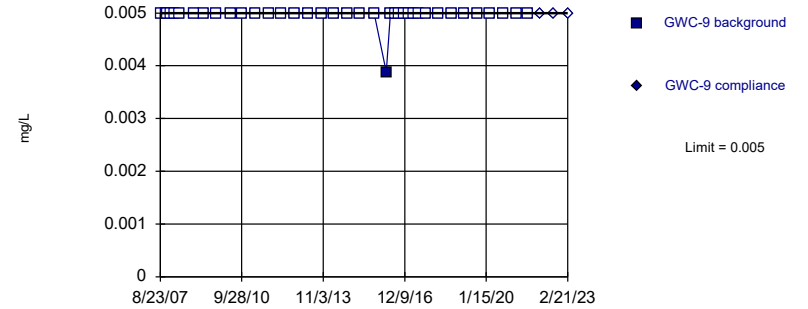


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

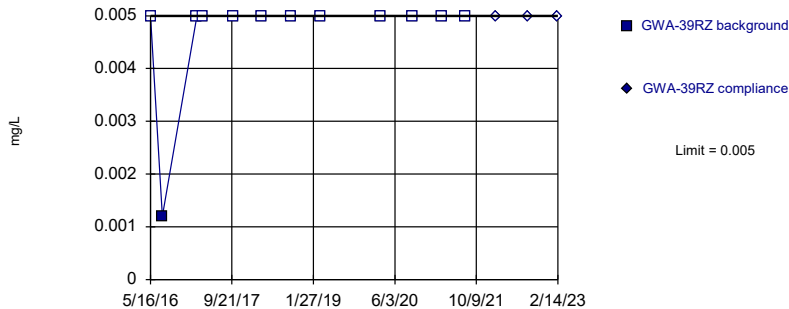


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

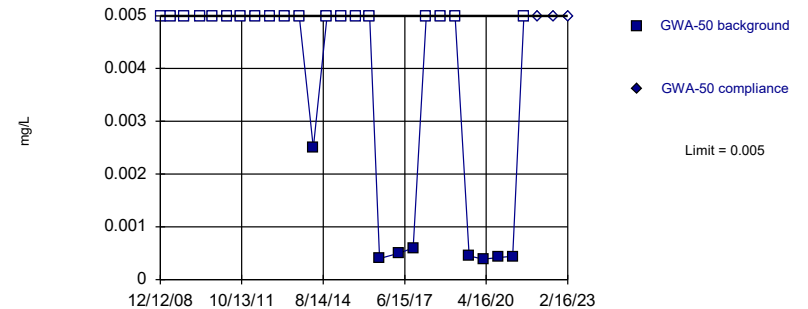


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Silver Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric



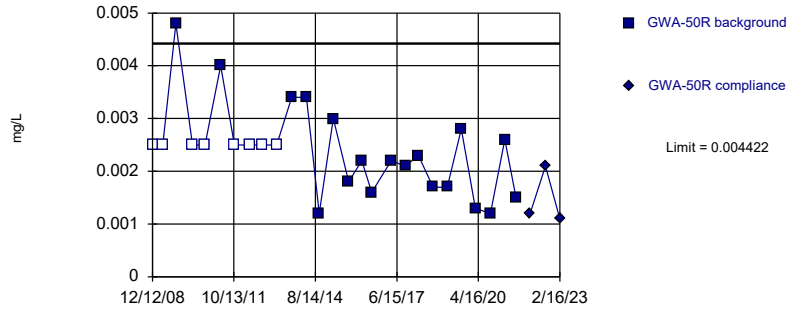
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Silver Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



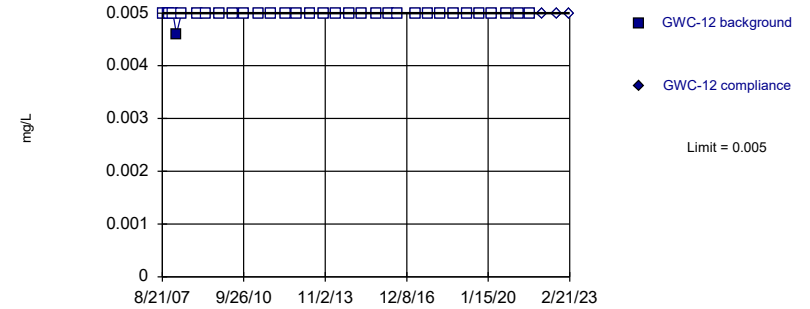
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002051, Std. Dev.=0.0008896, n=27, 29.63% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9195, critical = 0.894. Kappa = 2.666 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Silver Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric



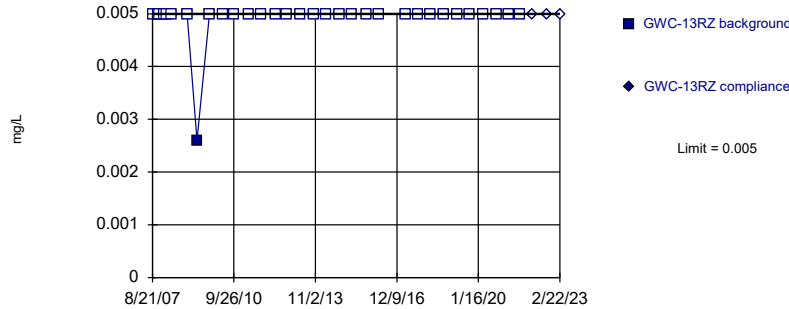
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 96.97% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Silver Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric



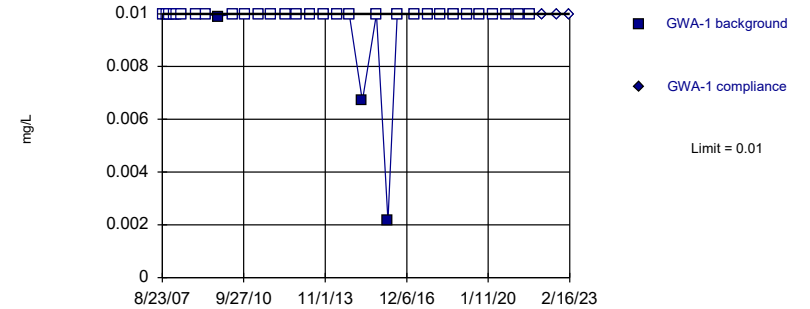
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Silver Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric

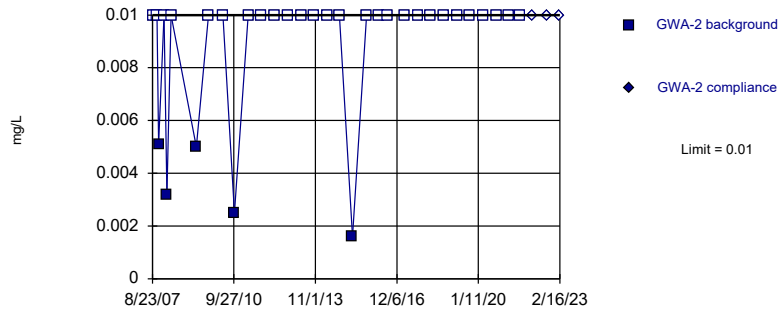


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

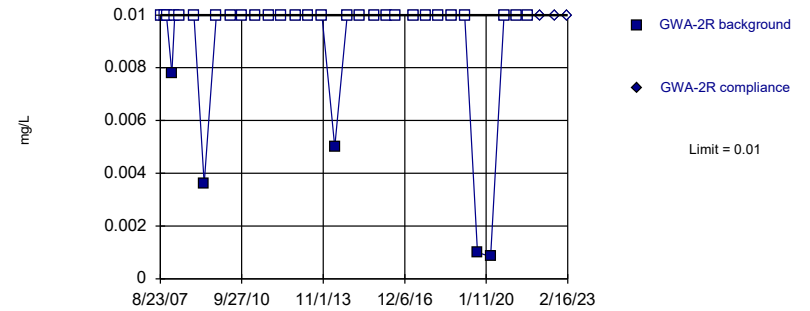


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

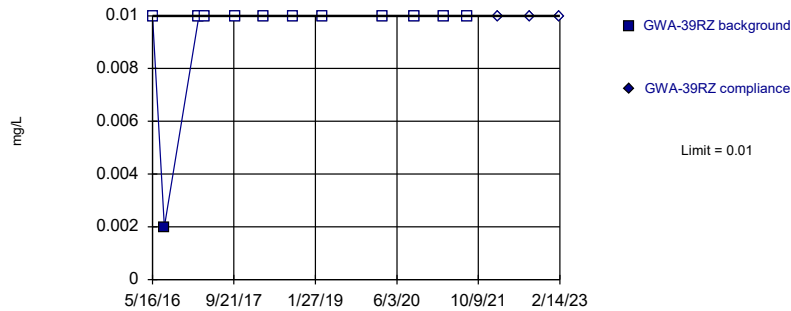


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 84.85% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

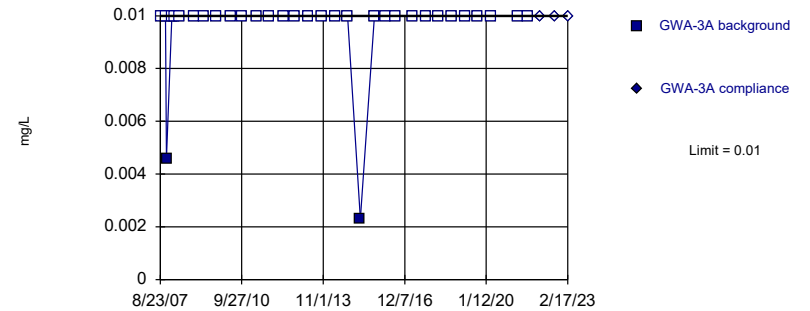


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

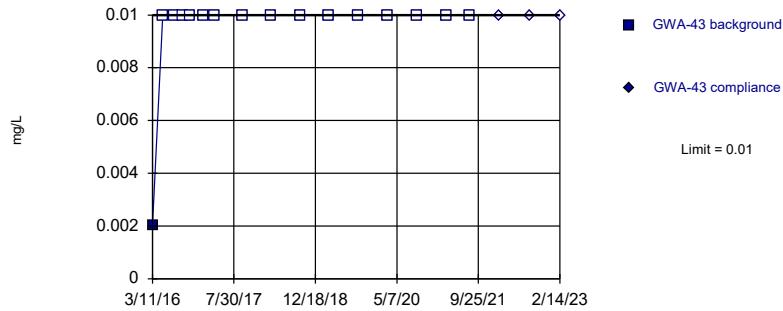


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

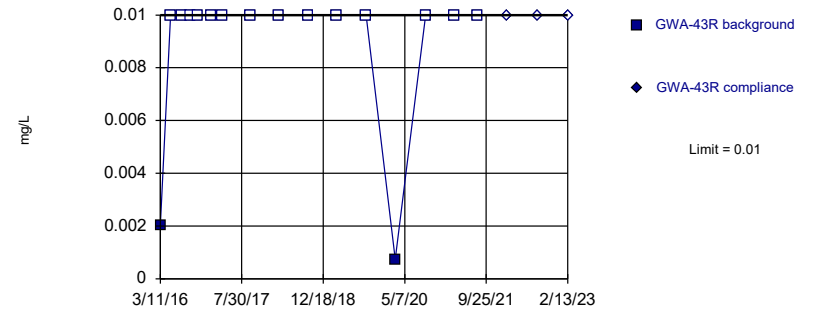


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

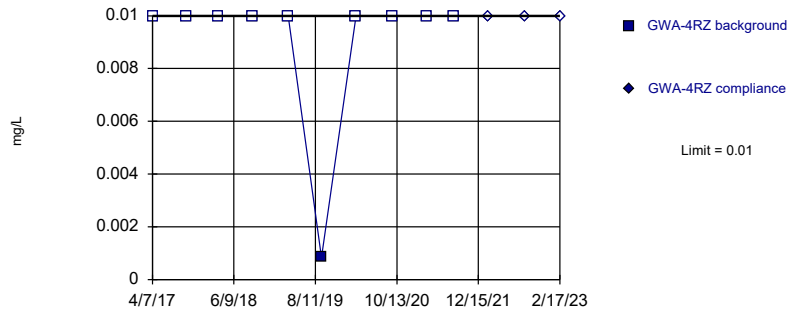


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

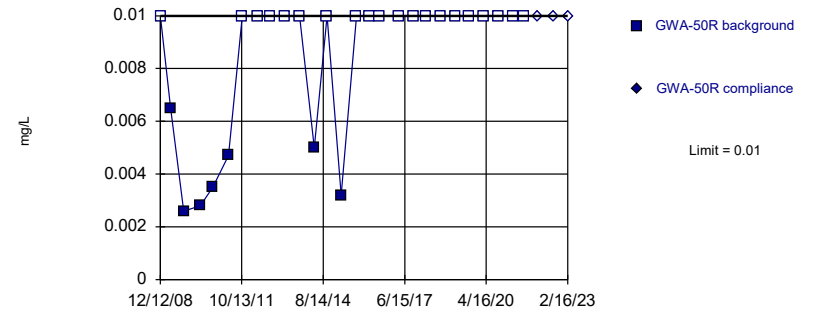


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

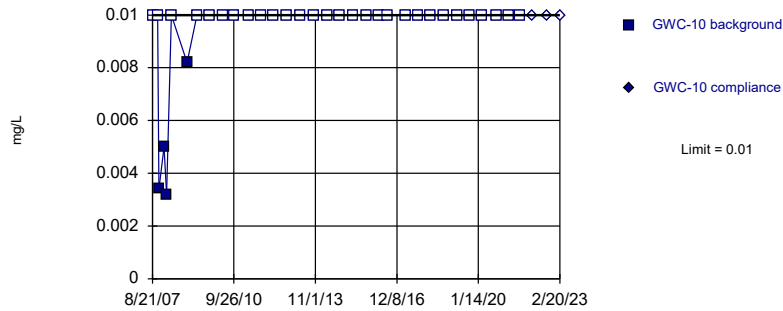


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

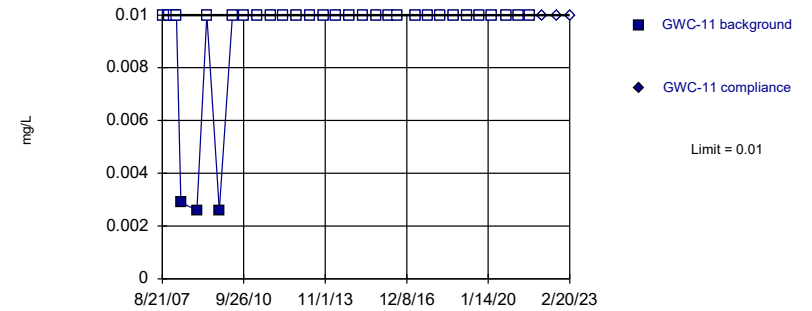


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 87.88% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

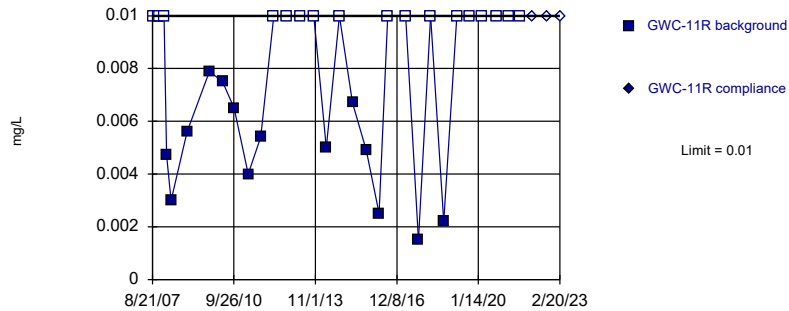


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

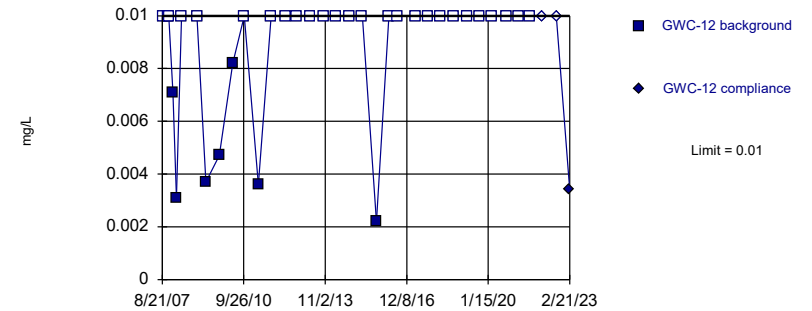


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

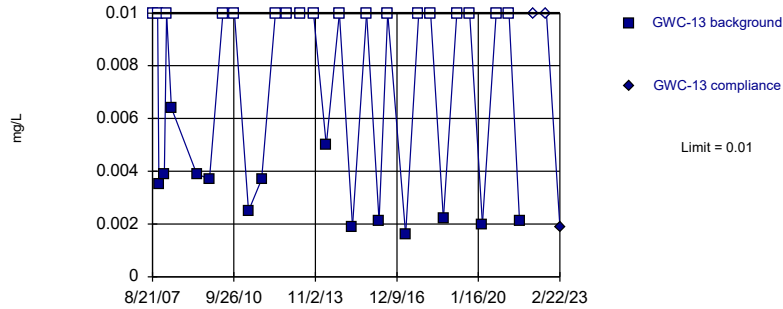


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 78.79% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

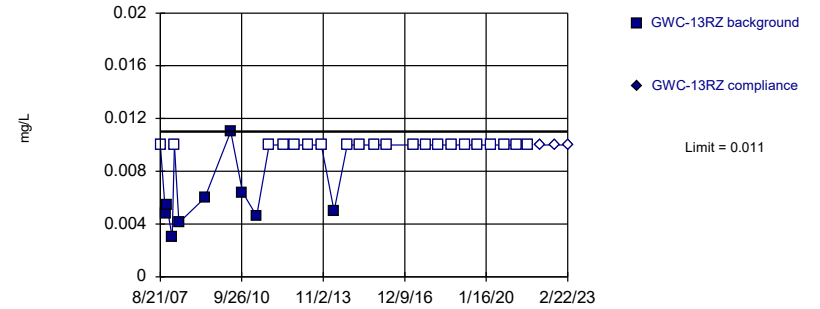


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

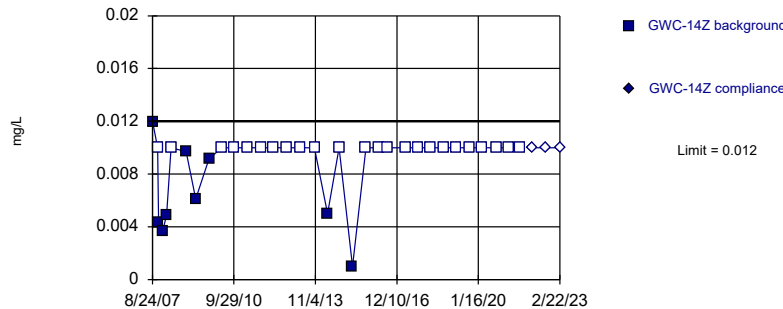


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 70% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

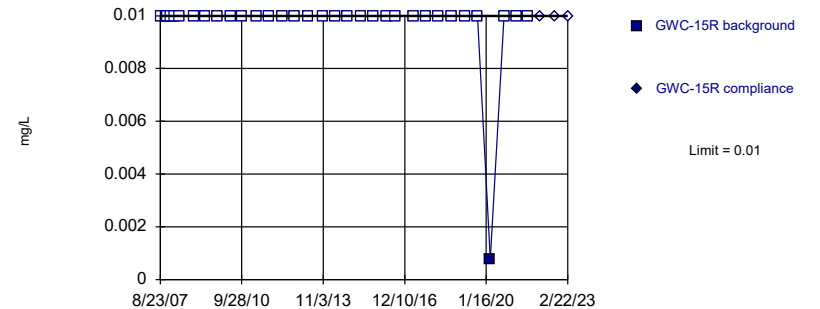


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

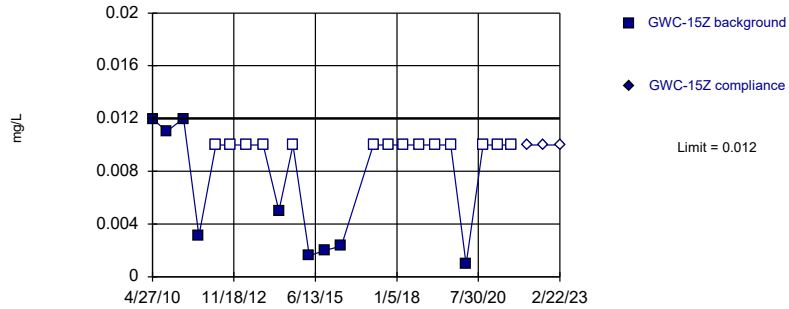


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 96.97% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

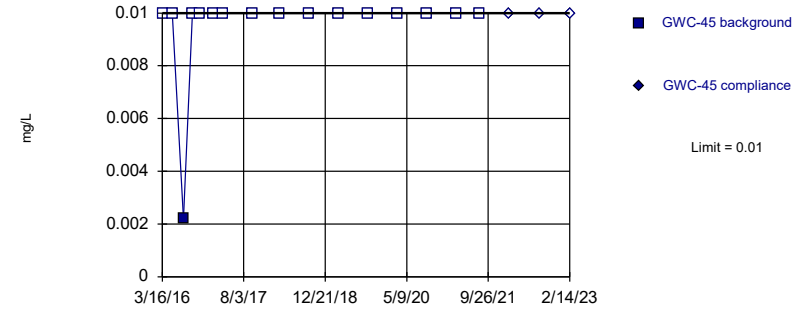


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 60.87% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

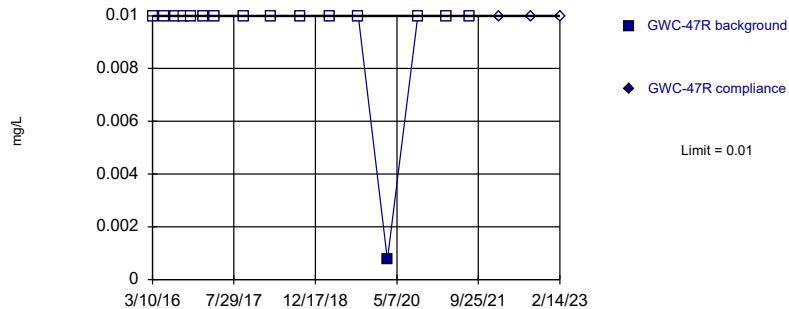


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

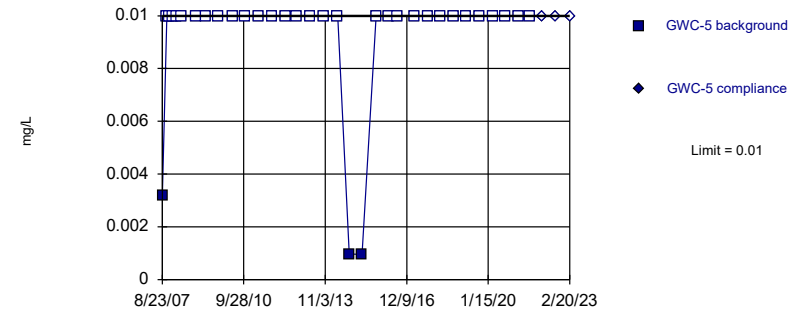


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

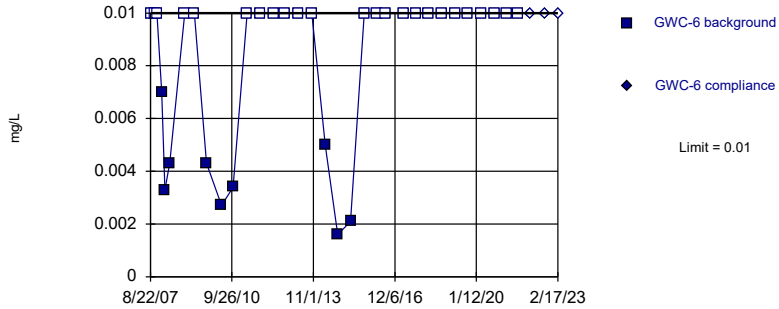


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

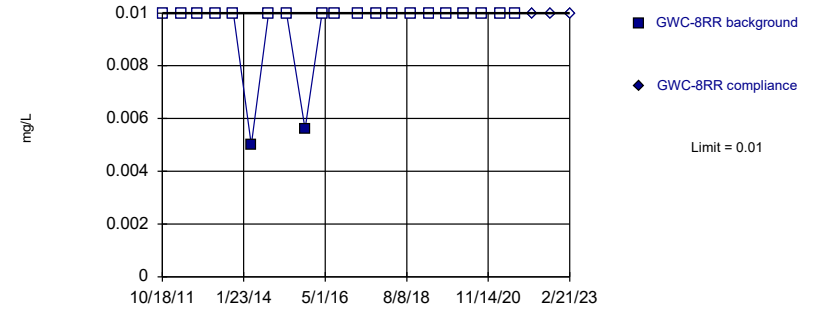


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

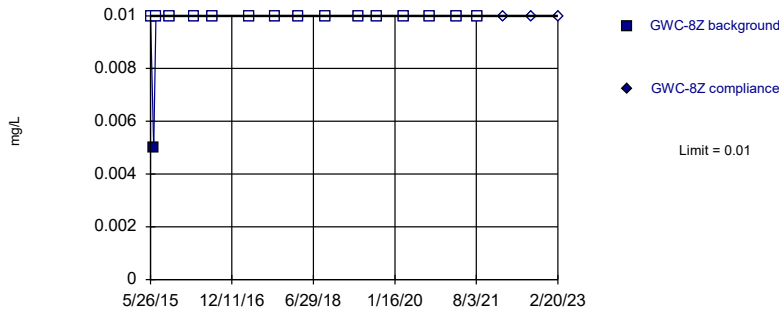


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

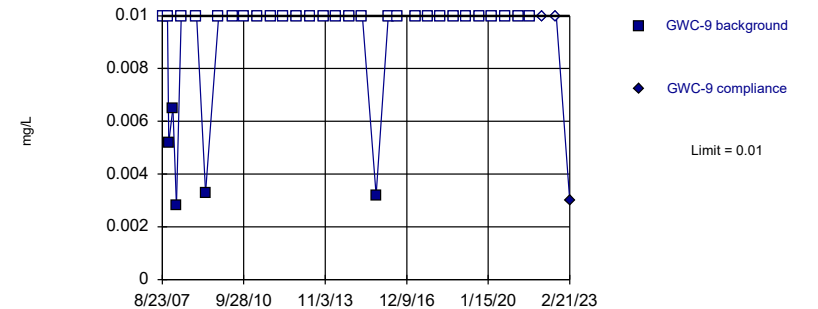


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

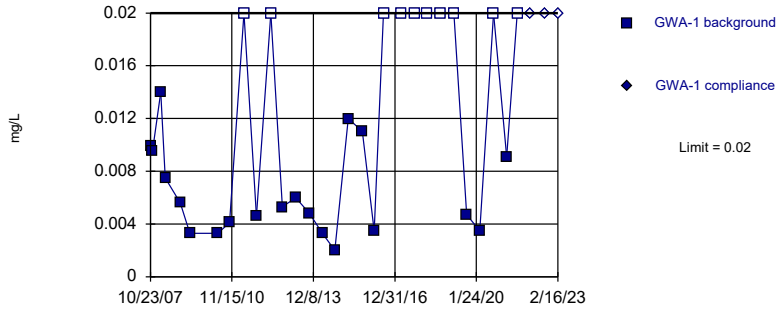


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 84.85% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

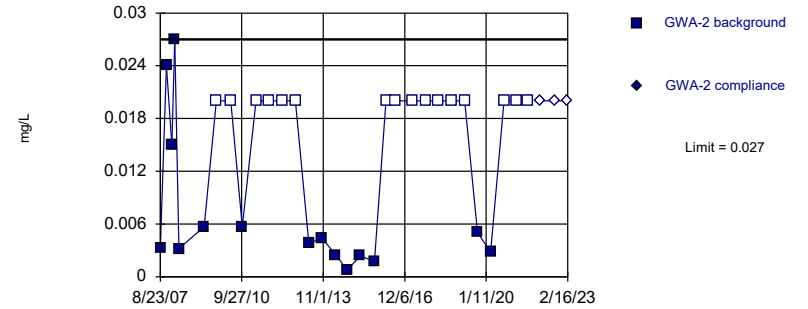


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

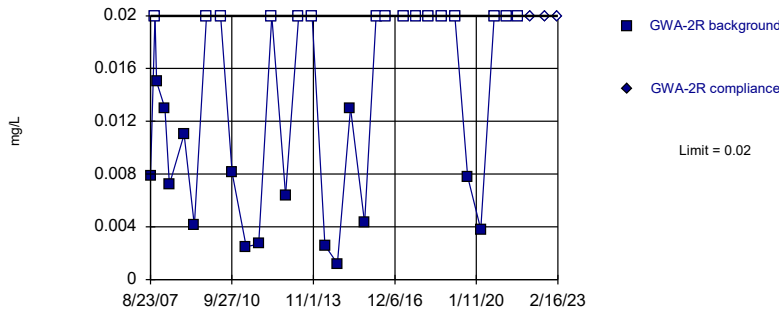


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 51.61% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

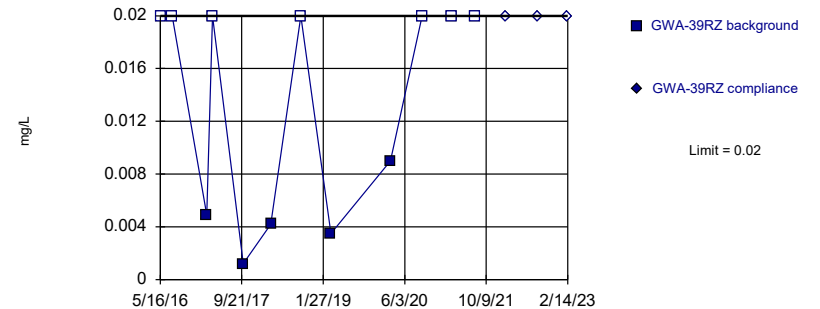


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 50% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

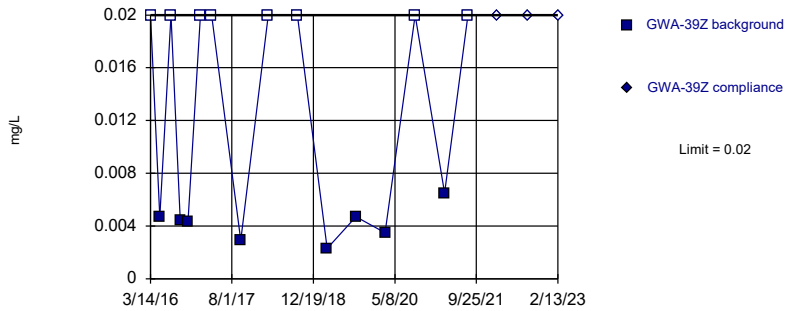


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

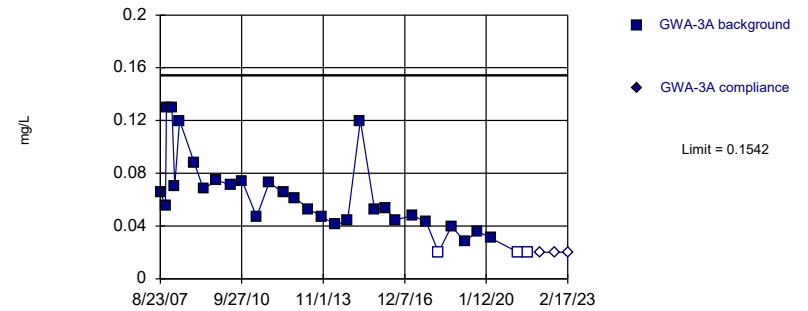


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

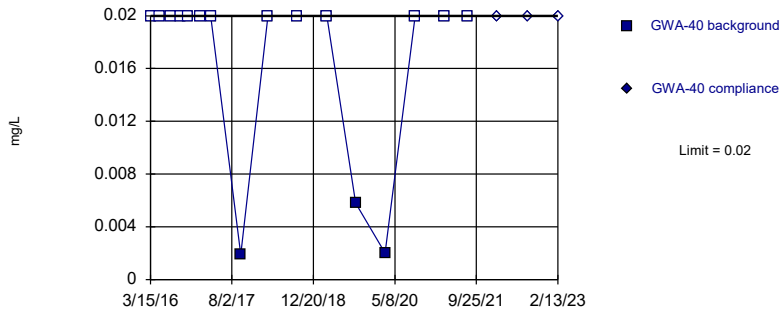


Background Data Summary (based on square root transformation): Mean=0.2389, Std. Dev.=0.05929, n=32, 9.375% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9426, critical = 0.904. Kappa = 2.595 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

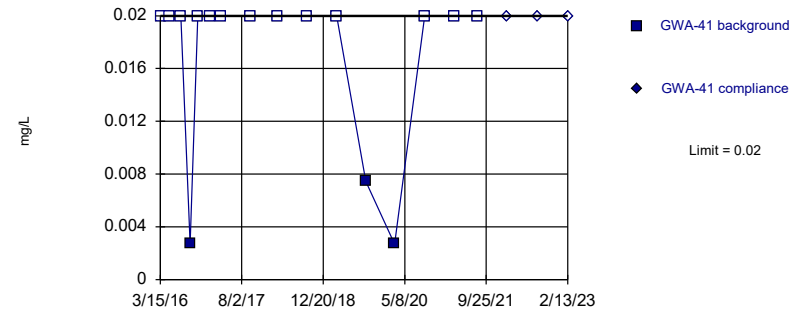


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

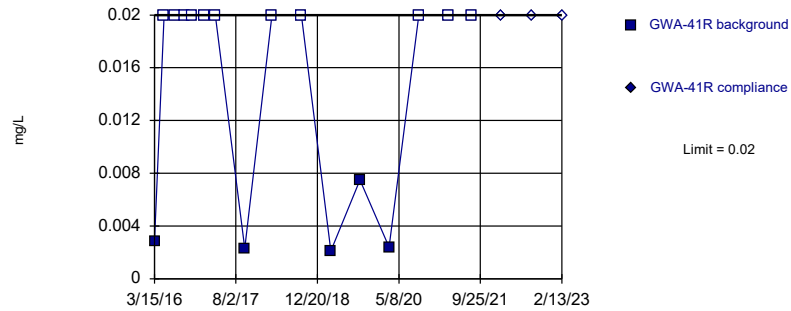


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

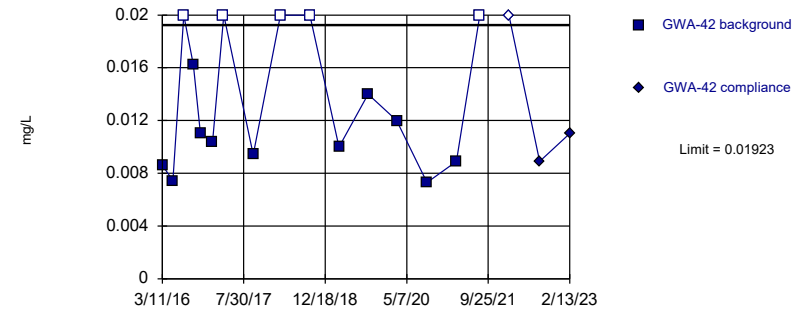


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

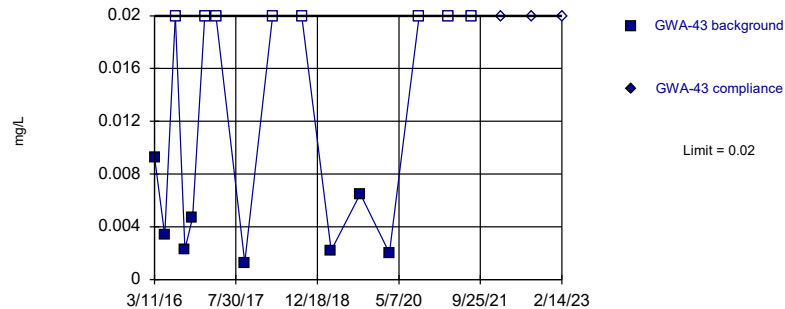


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.1016, Std. Dev.=0.0123, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8574, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

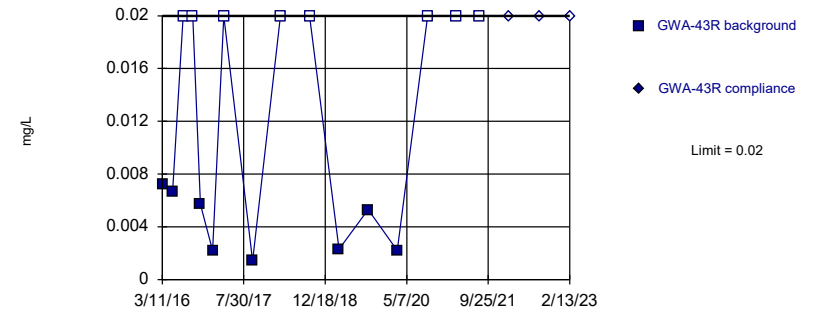


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

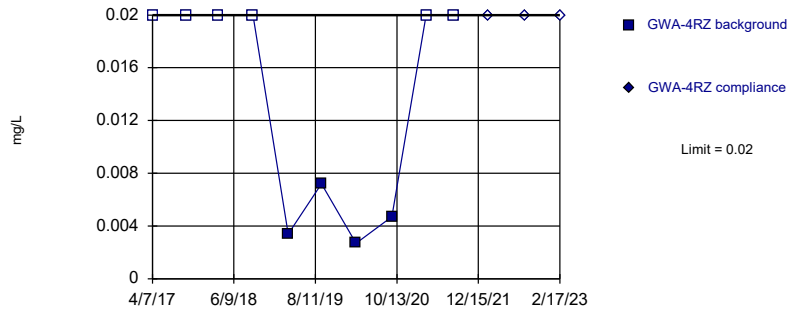


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

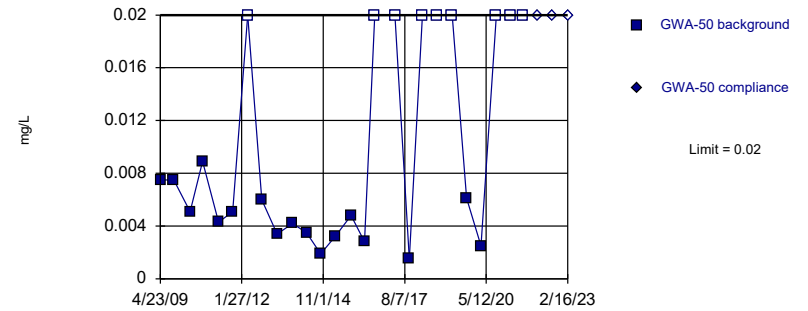


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

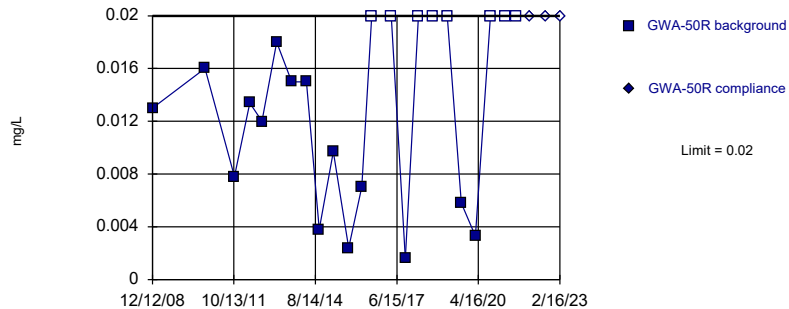


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 34.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

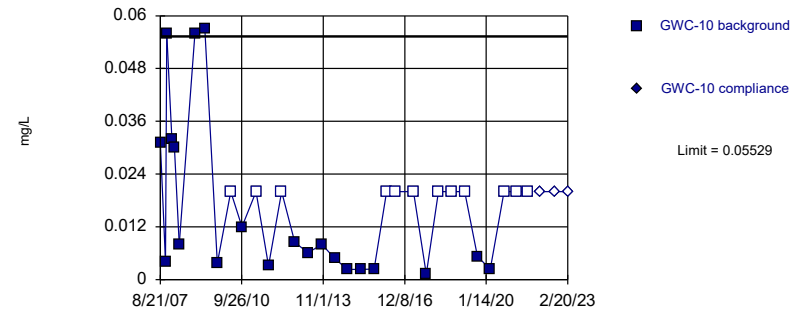


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 34.78% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

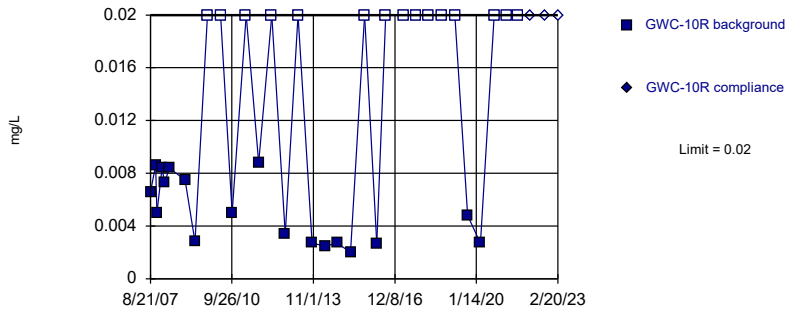


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1855, Std. Dev.=0.07566, n=33, 36.36% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.906. Kappa = 2.584 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

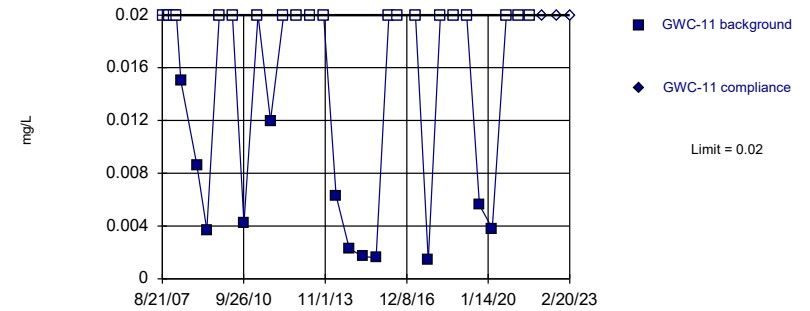


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

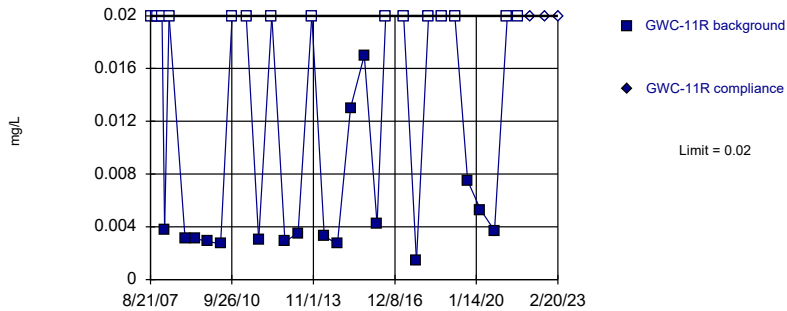


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

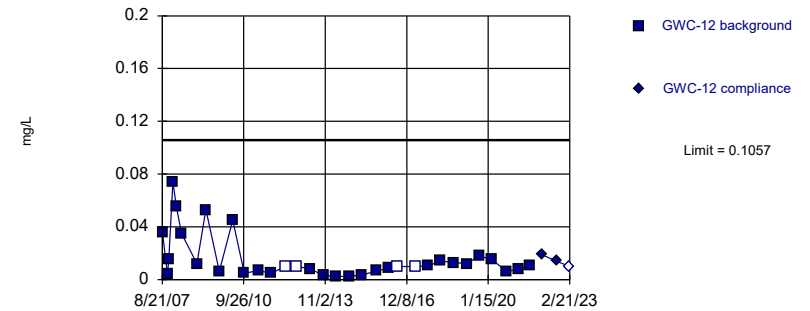


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 48.48% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

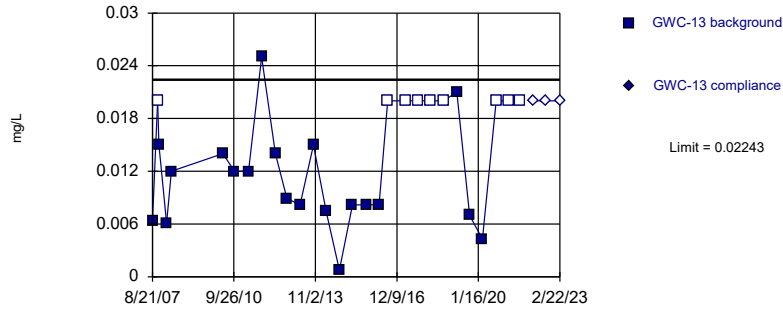


Background Data Summary (based on natural log transformation): Mean=-4.54, Std. Dev.=0.8876, n=33, 12.12% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9495, critical = 0.906. Kappa = 2.584 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

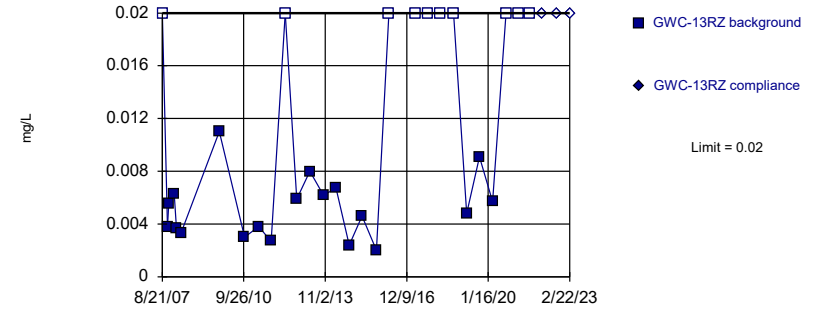


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00862, Std. Dev.=0.005244, n=29, 31.03% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9172, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

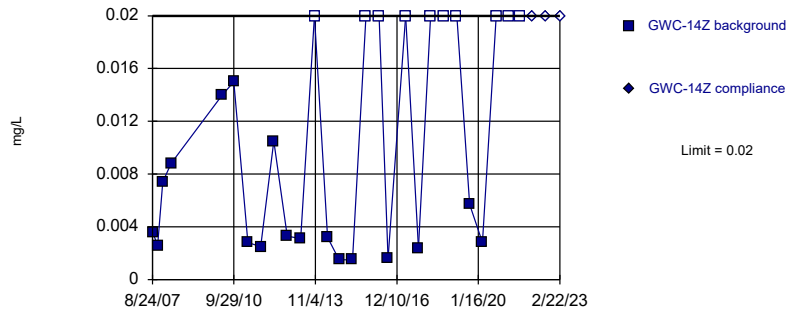


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 34.48% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

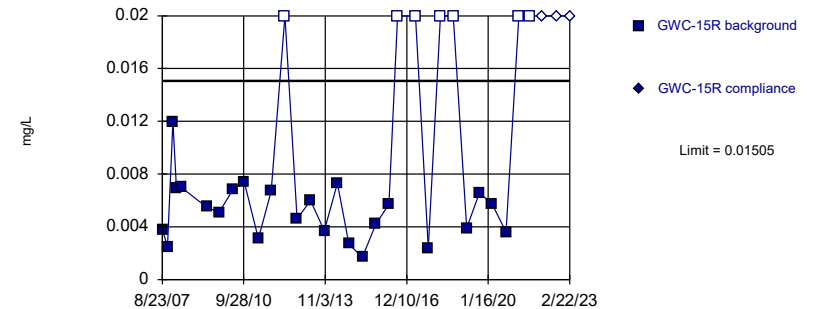


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 35.71% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

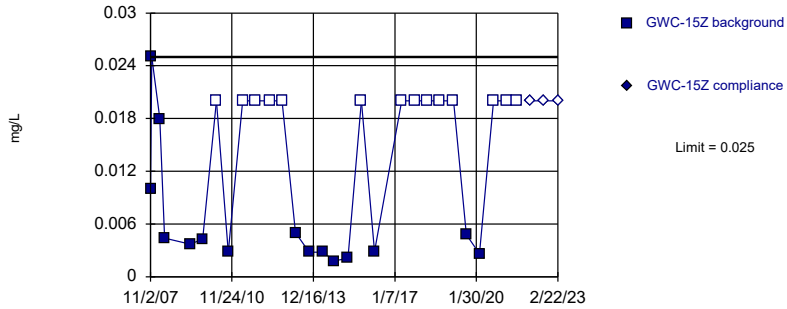


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.351, Std. Dev.=0.4432, n=31, 22.58% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9071, critical = 0.902. Kappa = 2.606 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

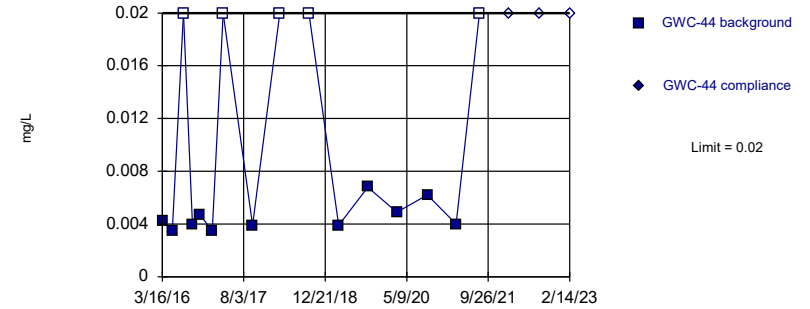


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 48.28% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

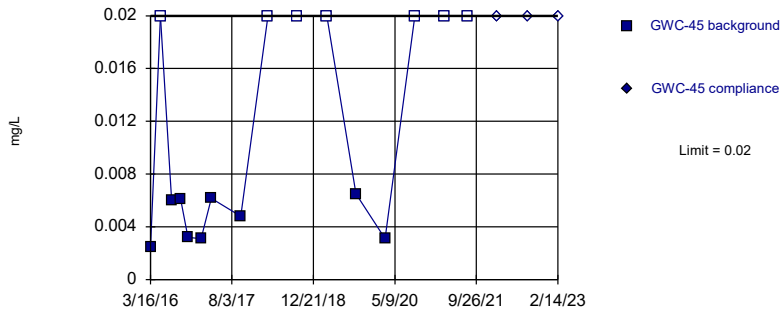


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 31.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

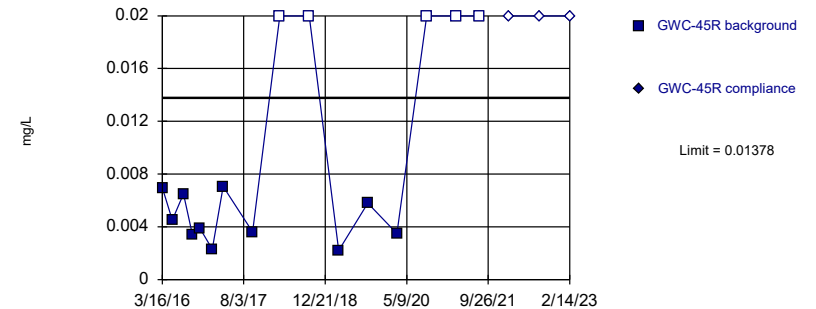


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

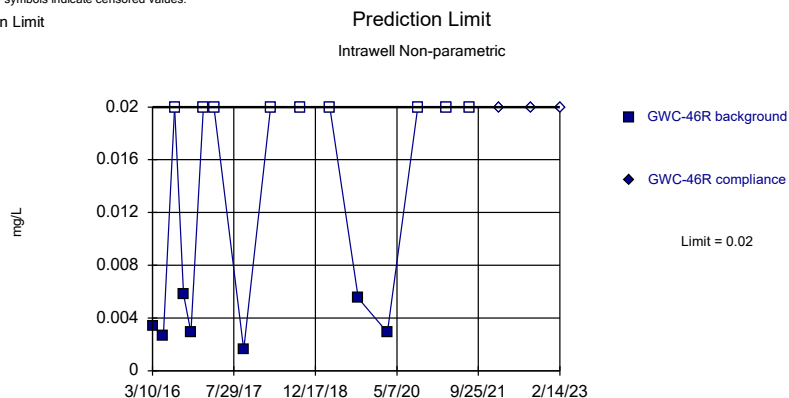
Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.474, Std. Dev.=0.3946, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8605, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

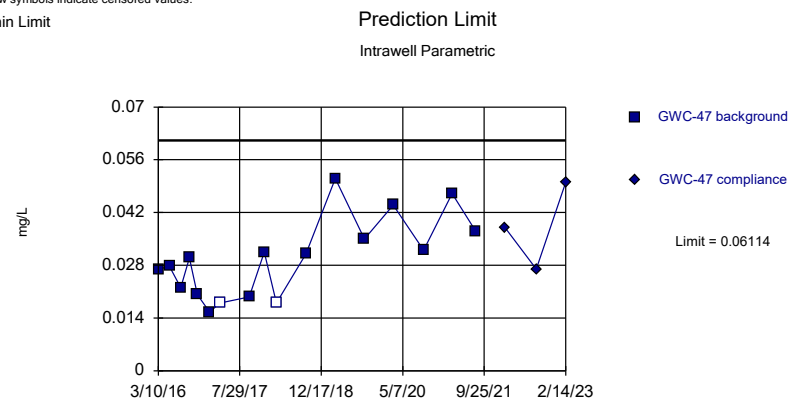
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

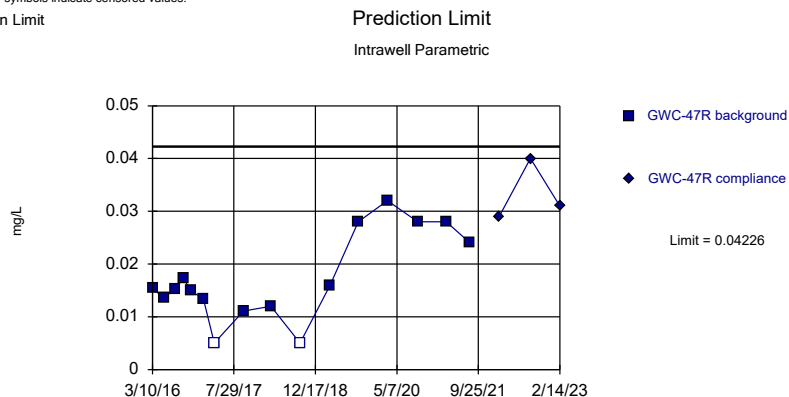
Within Limit



Background Data Summary: Mean=0.02981, Std. Dev.=0.01056, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9401, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

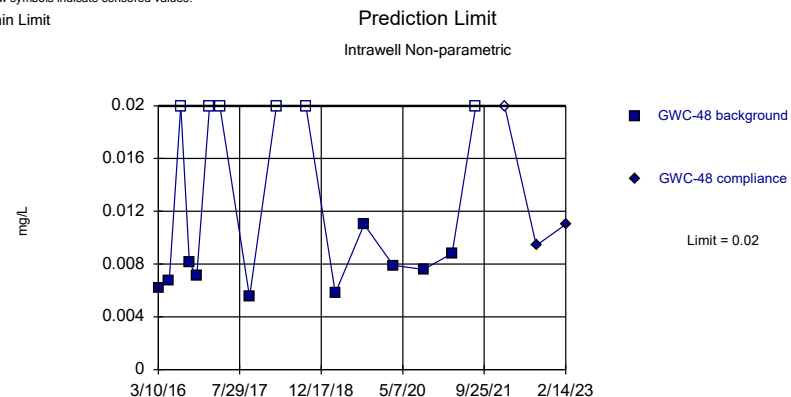
Within Limit



Background Data Summary: Mean=0.01744, Std. Dev.=0.008235, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9177, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

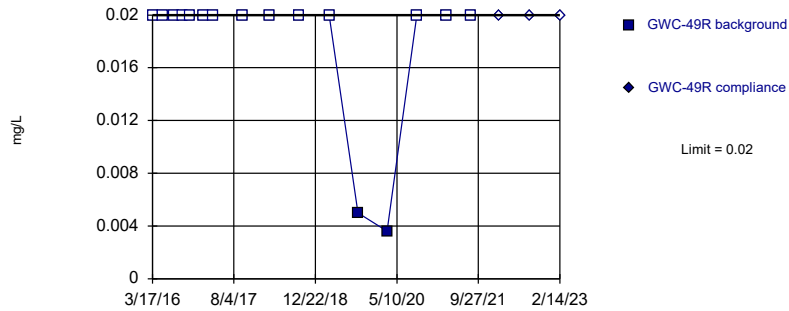


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

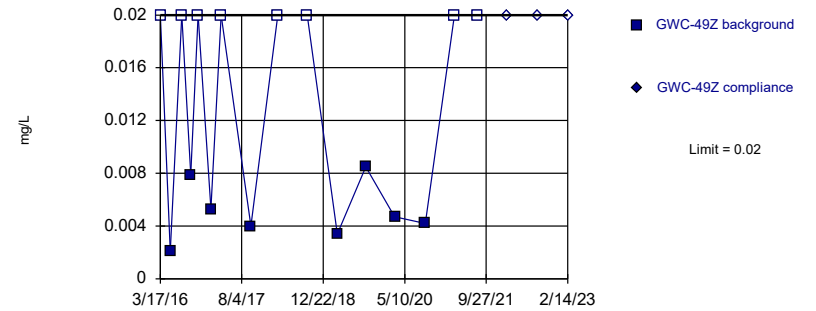


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

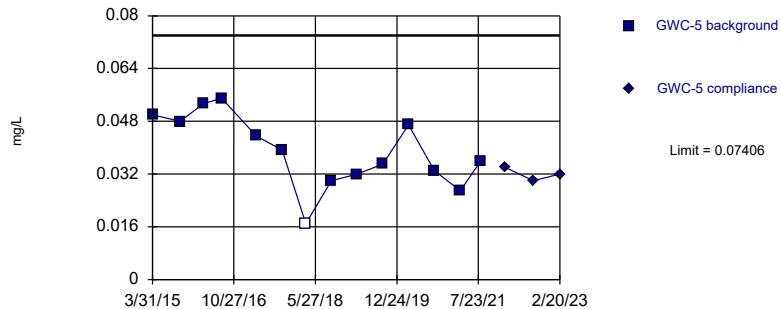


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

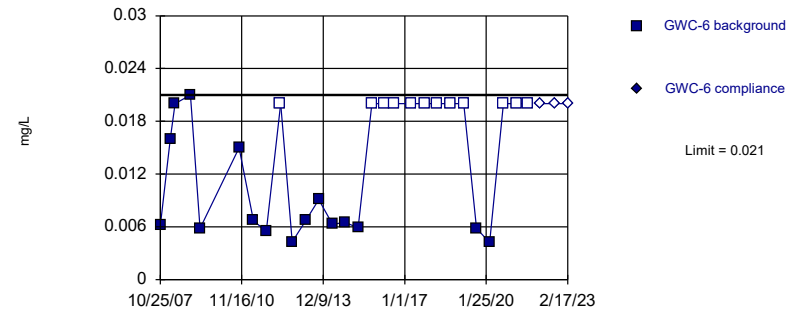


Background Data Summary: Mean=0.03902, Std. Dev.=0.01099, n=14, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9669, critical = 0.825. Kappa = 3.189 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

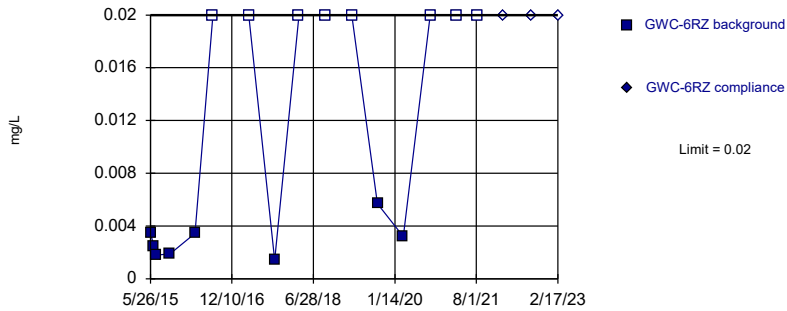


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

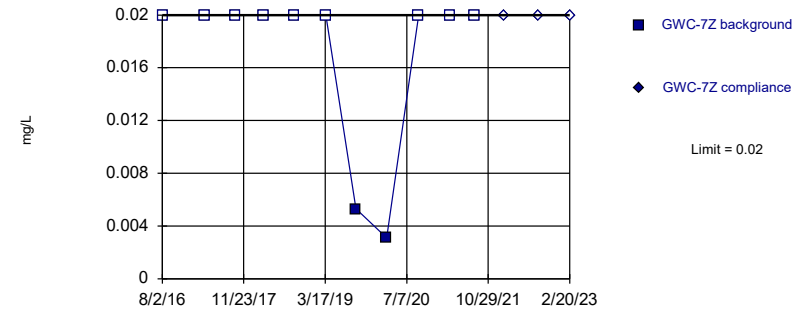


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

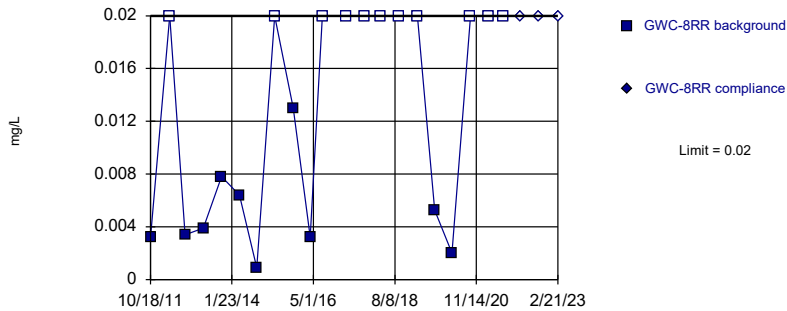


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

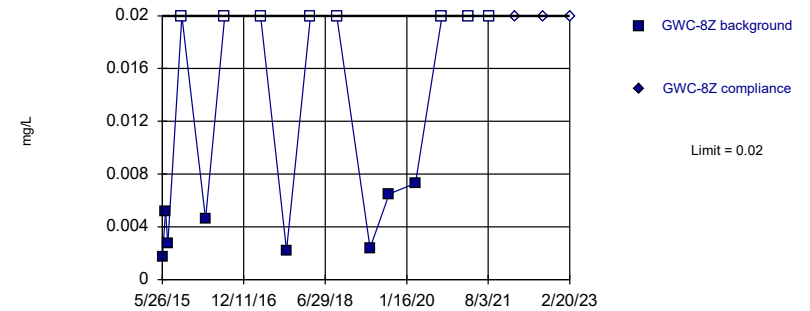


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

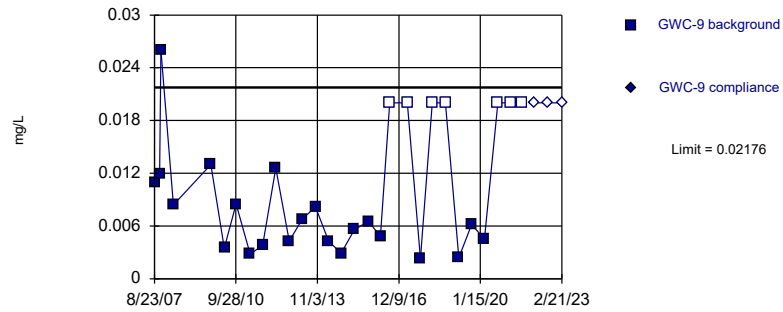


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.07971, Std. Dev.=0.02575, n=29, 24.14% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8999, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:23 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.003	
10/23/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/5/2008	<0.003	
4/15/2009	<0.003	
10/7/2009	<0.003	
5/3/2010	<0.003	
10/12/2010	<0.003	
4/27/2011	<0.003	
10/17/2011	0.0054	
5/2/2012	<0.003	
10/8/2012	<0.003	
4/12/2013	0.0058	
10/16/2013	0.01	
4/11/2014	0.005 (J)	
9/30/2014	0.0068	
3/30/2015	0.0074	
10/13/2015	0.017 (O)	
3/22/2016	0.00567	
5/19/2016	0.00319	
7/29/2016	0.0025 (J)	
9/23/2016	0.0051	
11/9/2016	0.0097 (J)	
1/30/2017	0.0032	
3/30/2017	0.0028 (J)	
6/9/2017	<0.003	
10/2/2017	0.0014 (J)	
3/16/2018	0.0014 (J)	
9/17/2018	0.00105 (JD)	
3/20/2019	<0.003	
9/12/2019	0.0037	
3/11/2020	0.00079 (J)	
9/15/2020	0.0061	
3/16/2021	0.0014 (J)	
8/9/2021	0.0027 (J)	
2/1/2022		0.0028 (J)
8/16/2022		0.0084
2/16/2023		0.016

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.003	
10/24/2007	<0.003	
11/18/2007	<0.003	
1/31/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/4/2008	<0.003	
4/21/2009	<0.003	
10/8/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	0.0053	
10/9/2012	<0.003	
4/11/2013	0.0075	
10/16/2013	<0.003	
4/10/2014	0.0081	
9/30/2014	0.0022 (J)	
3/30/2015	0.011	
10/13/2015	0.0045 (J)	
3/23/2016	0.00281 (J)	
5/19/2016	0.00264 (J)	
7/29/2016	0.0069	
9/22/2016	0.0066	
11/10/2016	<0.003	
1/31/2017	0.0064	
4/3/2017	0.0049	
6/9/2017	<0.003	
10/2/2017	0.0045	
3/16/2018	0.021 (O)	
9/14/2018	0.0054	
3/19/2019	0.0019 (J)	
9/13/2019	0.0044	
3/11/2020	0.002 (J)	
9/15/2020	0.0037	
3/16/2021	0.005	
8/9/2021	0.0033	
2/1/2022		0.0029 (J)
8/16/2022		0.002 (J)
2/16/2023		0.0048

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.003 (D)	
7/27/2016	0.0003 (JD)	
2/21/2017	0.0057	
3/27/2017	0.0013 (JD)	
6/8/2017	<0.003 (*)	
7/17/2017	0.005 (D)	
7/27/2017	0.0033	
8/9/2017	0.0012 (J)	
9/29/2017	0.0013 (JD)	
3/16/2018	0.0078	
9/14/2018	0.0056	
3/14/2019	0.014 (O)	
3/9/2020	0.0013 (J)	
9/16/2020	0.0028 (J)	
3/16/2021	0.00041 (J)	
8/6/2021	<0.003	
2/2/2022		<0.003
8/16/2022		0.001 (J)
2/14/2023		0.0019 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.003	
5/11/2016	0.000839 (J)	
7/19/2016	0.0024 (J)	
9/15/2016	0.0009 (J)	
11/2/2016	0.001 (J)	
1/18/2017	0.0017 (J)	
3/28/2017	0.0006 (J)	
6/7/2017	0.0003 (J)	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/15/2019	<0.003	
9/9/2019	0.00079 (J)	
3/9/2020	0.0011 (J)	
9/10/2020	0.0003 (J)	
3/12/2021	0.0039	
8/4/2021	0.00083 (J)	
1/31/2022		<0.003
8/10/2022		<0.003
2/13/2023		0.00087 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.003	
11/2/2007	<0.003	
11/18/2007	<0.003	
1/31/2008	<0.003	
3/11/2008	<0.003	
5/14/2008	<0.003	
12/5/2008	<0.003	
4/15/2009	<0.003	
10/8/2009	<0.003	
4/28/2010	<0.003	
10/6/2010	<0.003	
4/21/2011	<0.003	
10/13/2011	<0.003	
5/1/2012	<0.003	
10/9/2012	<0.003	
4/11/2013	<0.003	
10/16/2013	<0.003	
4/23/2014	<0.003	
10/4/2014	0.0031 (J)	
3/31/2015	0.0068	
10/12/2015	<0.003	
3/23/2016	0.0035	
5/23/2016	<0.003	
7/29/2016	0.0029 (J)	
9/22/2016	0.0041	
11/10/2016	0.0048 (J)	
1/31/2017	<0.003	
3/30/2017	0.001 (J)	
6/12/2017	<0.003	
10/4/2017	0.0009 (J)	
3/19/2018	0.0019 (J)	
9/17/2018	0.0011 (J)	
3/20/2019	0.0019 (J)	
9/13/2019	0.0013 (J)	
3/11/2020	0.0045	
3/29/2021	<0.003	
8/9/2021	<0.003	
2/2/2022		<0.003
8/16/2022		<0.003
2/17/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.003	
5/11/2016	<0.003	
7/21/2016	<0.003	
9/15/2016	<0.003	
11/3/2016	0.0021 (J)	
1/17/2017	<0.003	
3/24/2017	<0.003	
5/24/2017	<0.003	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/13/2019	<0.003	
9/9/2019	<0.003	
3/9/2020	<0.003	
9/11/2020	<0.003	
3/10/2021	<0.003	
8/4/2021	<0.003	
1/31/2022		0.0014 (J)
8/12/2022		<0.003
2/13/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.003	
5/12/2016	<0.003	
7/20/2016	<0.003	
9/15/2016	<0.003	
11/3/2016	<0.003	
1/18/2017	<0.003	
3/24/2017	<0.003	
6/6/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/14/2019	<0.003	
9/10/2019	<0.003 (D)	
3/6/2020	<0.003	
9/10/2020	<0.003	
3/11/2021	0.00038 (J)	
8/4/2021	<0.003	
1/31/2022		<0.003
8/11/2022		<0.003
2/13/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.003	
5/13/2016	<0.003	
7/21/2016	<0.003 (*)	
9/21/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	0.0008 (J)	
6/6/2017	<0.003	
9/25/2017	0.0035	
3/14/2018	<0.003	
9/12/2018	0.003	
3/14/2019	<0.003	
9/10/2019	0.0029 (J)	
3/9/2020	0.0037	
9/10/2020	0.0019 (J)	
3/10/2021	0.00037 (J)	
8/4/2021	<0.003	
1/31/2022		0.0011 (J)
8/11/2022		<0.003
2/13/2023		0.0045

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.003	
5/16/2016	<0.003	
7/22/2016	0.002 (J)	
9/19/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	<0.003	
6/7/2017	<0.003	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/14/2018	<0.003	
3/14/2019	<0.003	
9/10/2019	<0.003	
3/6/2020	<0.003	
9/10/2020	<0.003	
3/11/2021	<0.003	
8/4/2021	<0.003	
1/31/2022		<0.003
8/10/2022		<0.003
2/13/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003 (*)	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	<0.003	
3/28/2017	<0.003	
6/6/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/13/2019	<0.003	
9/11/2019	<0.003	
3/9/2020	0.00062 (J)	
9/11/2020	<0.003	
3/11/2021	<0.003	
8/6/2021	<0.003	
1/31/2022		<0.003
8/11/2022		<0.003
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	0.0013 (J)	
3/28/2017	<0.003	
6/6/2017	0.0007 (J)	
9/22/2017	0.0012 (J)	
3/15/2018	<0.003	
9/12/2018	<0.003	
3/13/2019	<0.003	
9/11/2019	0.00029 (J)	
3/9/2020	0.00037 (J)	
9/14/2020	<0.003	
3/11/2021	0.00074 (J)	
8/5/2021	<0.003	
1/31/2022		<0.003
8/10/2022		<0.003
2/13/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0018 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	0.00205 (JD)	
7/12/2017	0.0015 (JD)	
7/20/2017	<0.003 (D)	
7/28/2017	<0.003	
8/9/2017	<0.003	
8/24/2017	0.0007 (J)	
10/3/2017	<0.003 (D)	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/21/2019	<0.003 (D)	
9/12/2019	0.00052 (JD)	
3/12/2020	0.0017 (J)	
9/17/2020	0.00087 (J)	
3/16/2021	0.00082 (J)	
8/10/2021	0.0013 (J)	
2/3/2022		<0.003
8/17/2022		<0.003
2/17/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.003	
4/23/2009	<0.003	
10/6/2009	<0.003	
4/27/2010	<0.003	
9/30/2010	<0.003	
4/14/2011	<0.003	
10/5/2011	<0.003	
4/11/2012	<0.003	
10/2/2012	<0.003	
4/9/2013	<0.003	
10/15/2013	<0.003	
4/10/2014	<0.003	
10/1/2014	<0.003	
3/30/2015	<0.003	
10/11/2015	<0.003	
3/28/2016	0.00139 (J)	
5/23/2016	0.000677 (J)	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/10/2016	<0.003	
1/30/2017	<0.003	
4/7/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/17/2018	<0.003	
3/19/2019	<0.003	
9/13/2019	<0.003	
3/11/2020	0.0005 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/9/2021	<0.003	
2/1/2022		0.0015 (J)
8/16/2022		<0.003
2/16/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.003	
4/23/2009	<0.003	
10/6/2009	<0.003	
5/3/2010	<0.003	
10/11/2010	<0.003	
4/27/2011	<0.003	
10/19/2011	<0.003	
5/1/2012	<0.003	
10/2/2012	<0.003	
4/10/2013	<0.003	
10/16/2013	<0.003	
4/22/2014	<0.003	
10/1/2014	<0.003	
3/30/2015	<0.003	
10/11/2015	<0.003	
3/28/2016	<0.003	
5/25/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/11/2016	<0.003	
1/30/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/18/2018	<0.003	
3/19/2019	<0.003	
9/12/2019	<0.003	
3/11/2020	<0.003	
9/15/2020	0.00048 (J)	
3/17/2021	<0.003	
8/9/2021	<0.003	
2/2/2022		<0.003
8/17/2022		<0.003
2/16/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.003	
11/1/2007	<0.003	
11/20/2007	<0.003	
1/30/2008	<0.003	
3/6/2008	<0.003	
5/8/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/21/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
10/8/2012	<0.003	
4/3/2013	<0.003	
10/15/2013	<0.003	
4/9/2014	<0.003	
10/2/2014	<0.003	
4/2/2015	<0.003	
10/12/2015	<0.003	
3/31/2016	<0.003	
5/26/2016	0.000659 (J)	
8/3/2016	<0.003	
9/28/2016	0.0037 (O)	
11/22/2016	<0.003	
2/7/2017	<0.003	
4/10/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/22/2019	<0.003	
9/17/2019	<0.003	
3/12/2020	<0.003	
9/17/2020	<0.003	
3/18/2021	<0.003	
8/11/2021	<0.003	
2/4/2022		0.0016 (J)
8/18/2022		<0.003
2/20/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.003	
11/1/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/22/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
10/3/2012	<0.003	
4/3/2013	<0.003	
10/9/2013	<0.003	
4/2/2014	<0.003	
10/2/2014	<0.003	
4/1/2015	<0.003	
10/11/2015	<0.003	
4/4/2016	<0.003	
5/26/2016	0.000722 (J)	
8/3/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/23/2019	0.00094 (J)	
9/17/2019	0.00041 (J)	
3/12/2020	0.0013 (J)	
9/21/2020	0.00091 (J)	
3/19/2021	0.00032 (J)	
8/11/2021	<0.003	
2/4/2022		<0.003
8/18/2022		<0.003
2/20/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.003	
11/1/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/6/2008	<0.003	
5/7/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/22/2009	<0.003	
4/21/2010	<0.003	
9/29/2010	<0.003	
4/13/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
10/3/2012	<0.003	
4/3/2013	<0.003	
10/9/2013	<0.003	
4/2/2014	<0.003	
10/2/2014	0.0044 (J)	
4/1/2015	0.0087	
10/11/2015	0.007	
4/4/2016	0.00252 (J)	
5/26/2016	0.00351	
8/4/2016	<0.003	
9/28/2016	0.0012 (J)	
11/22/2016	0.0042	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/22/2018	<0.003	
9/18/2018	<0.003	
3/23/2019	<0.003	
9/17/2019	0.0013 (J)	
3/12/2020	0.001 (J)	
9/21/2020	0.0053	
3/19/2021	0.012	
5/26/2021	0.0037	
8/11/2021	<0.003	
2/4/2022		<0.003
8/18/2022		<0.003
2/20/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/31/2008	<0.003	
3/5/2008	<0.003	
5/12/2008	<0.003	
12/13/2008	<0.003	
4/28/2009	<0.003	
10/21/2009	<0.003	
4/28/2010	<0.003	
10/5/2010	<0.003	
4/19/2011	<0.003	
10/18/2011	<0.003	
4/25/2012	<0.003	
10/2/2012	<0.003	
4/2/2013	<0.003	
10/8/2013	<0.003	
4/1/2014	<0.003	
10/1/2014	<0.003	
4/1/2015	<0.003	
10/15/2015	<0.003	
4/4/2016	<0.003	
5/31/2016	<0.003	
8/4/2016	<0.003	
9/29/2016	<0.003	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/12/2017	<0.003	
6/16/2017	<0.003	
10/9/2017	<0.003	
3/21/2018	<0.003	
9/19/2018	<0.003	
3/23/2019	<0.003	
9/18/2019	0.0012 (J)	
3/13/2020	0.0023 (J)	
9/22/2020	<0.003	
3/18/2021	0.00078 (J)	
8/11/2021	0.0019 (J)	
2/17/2022		<0.003
8/18/2022		<0.003
2/22/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/31/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/12/2008	<0.003	
4/29/2009	<0.003	
10/21/2009	<0.003	
4/28/2010	<0.003	
10/6/2010	<0.003	
4/20/2011	<0.003	
10/12/2011	<0.003	
4/25/2012	<0.003	
10/2/2012	<0.003	
4/2/2013	0.007 (O)	
10/8/2013	0.01 (O)	
4/1/2014	0.011 (O)	
10/1/2014	0.018 (O)	
3/31/2015	0.011 (O)	
10/14/2015	0.0083 (O)	
4/4/2016	0.00447	
6/1/2016	0.00377	
2/22/2017	0.0044	
4/11/2017	0.0019 (J)	
6/16/2017	<0.003	
7/12/2017	0.0018 (J)	
7/28/2017	0.0011 (J)	
8/10/2017	0.0012 (J)	
10/6/2017	0.0013 (J)	
3/23/2018	0.0015 (J)	
9/20/2018	0.0013 (J)	
3/22/2019	0.0014 (J)	
9/18/2019	0.00077 (X)	
3/17/2020	0.0009 (J)	
9/22/2020	0.00079 (J)	
3/19/2021	0.0011 (J)	
8/12/2021	<0.003	
2/4/2022		<0.003
8/19/2022		<0.003
2/22/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.005	
11/2/2007	<0.003	
11/17/2007	<0.003	
1/15/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/2/2008	<0.003	
4/16/2009	<0.003	
10/20/2009	<0.003	
4/20/2010	<0.003	
9/29/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
10/10/2012	<0.003	
4/15/2013	<0.003	
10/22/2013	<0.003	
4/21/2014	<0.003	
9/30/2014	<0.003	
4/3/2015	<0.003	
10/7/2015	<0.003	
4/5/2016	<0.003	
6/1/2016	0.000895 (J)	
8/9/2016	0.0017 (JD)	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/11/2017	<0.003	
6/14/2017	0.0006 (J)	
7/12/2017	<0.003	
10/5/2017	<0.003	
3/22/2018	<0.003	
9/19/2018	<0.003	
3/22/2019	<0.003	
9/17/2019	<0.003	
3/13/2020	0.00053 (J)	
9/21/2020	<0.003	
3/18/2021	<0.003	
8/11/2021	<0.003	
2/4/2022		<0.003
8/18/2022		<0.003
2/22/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.003	
11/2/2007	<0.003	
11/17/2007	<0.003	
1/15/2008	<0.003	
3/6/2008	<0.003	
5/7/2008	<0.003	
12/2/2008	<0.003	
4/28/2009	<0.003	
10/19/2009	<0.003	
4/27/2010	<0.003	
10/4/2010	<0.003	
4/18/2011	<0.003	
10/12/2011	0.0052	
4/23/2012	<0.003	
10/10/2012	<0.003	
4/15/2013	<0.003	
10/22/2013	<0.003	
4/21/2014	0.005 (J)	
9/30/2014	0.0024 (J)	
4/3/2015	0.0072	
10/7/2015	0.0045 (J)	
4/5/2016	0.00727	
5/31/2016	0.00649	
8/4/2016	0.0038	
9/29/2016	0.0106	
11/23/2016	0.0098	
2/10/2017	0.0014 (J)	
4/12/2017	0.0026 (J)	
6/15/2017	<0.003	
10/6/2017	0.0008 (J)	
3/23/2018	0.001 (J)	
9/19/2018	0.0011 (J)	
3/25/2019	<0.003	
9/17/2019	0.0017 (J)	
3/13/2020	0.00056 (J)	
9/21/2020	0.0021 (J)	
3/18/2021	0.00045 (J)	
8/11/2021	<0.003	
2/4/2022		<0.003
8/19/2022		0.0011 (J)
2/22/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.003	
11/2/2007	<0.003	
11/18/2007	<0.003	
1/15/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/2/2008	<0.003	
4/28/2009	<0.003	
10/20/2009	<0.003	
4/27/2010	<0.003	
10/5/2010	<0.003	
4/19/2011	<0.003	
10/12/2011	<0.003	
4/25/2012	<0.003	
10/10/2012	<0.003	
4/16/2013	0.0053	
10/22/2013	<0.003	
4/21/2014	0.005 (J)	
9/30/2014	<0.003	
4/3/2015	<0.003	
10/6/2015	0.0025 (J)	
4/5/2016	0.00105 (J)	
5/31/2016	0.00088 (J)	
11/23/2016	<0.003	
2/10/2017	<0.003	
4/11/2017	<0.003	
6/15/2017	<0.003	
7/12/2017	<0.003	
7/26/2017	<0.003	
10/6/2017	<0.003	
3/23/2018	0.00089 (J)	
9/19/2018	<0.003	
3/22/2019	<0.003	
9/17/2019	<0.003	
3/13/2020	<0.003	
9/21/2020	<0.003	
3/18/2021	<0.003	
8/11/2021	<0.003	
2/7/2022		<0.003
8/19/2022		<0.003
2/22/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.003	
5/16/2016	0.00109 (J)	
7/25/2016	0.00185 (J*D)	
9/19/2016	<0.003 (D)	
11/4/2016	<0.003 (D)	
1/23/2017	<0.003 (D)	
3/29/2017	0.0018 (JD)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0111 (O)	
12/29/2017	0.0012 (Y)	
3/15/2018	0.00086 (J)	
9/13/2018	0.0029 (J)	
3/14/2019	0.0015 (JD)	
9/11/2019	0.014 (O)	
3/10/2020	0.00087 (J)	
9/11/2020	0.0076	
12/15/2020	0.0014 (J)	
3/11/2021	0.00062 (J)	
8/6/2021	0.0017 (J)	
2/1/2022		0.002 (J)
8/12/2022		0.0072
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.00426	
5/16/2016	0.00267 (JD)	
7/25/2016	0.0017 (JD)	
9/19/2016	<0.003 (D)	
11/3/2016	0.0017 (JD)	
1/20/2017	0.001 (JD)	
3/29/2017	0.001 (JD)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0012 (J)	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/14/2019	<0.003 (D)	
9/11/2019	<0.003 (D)	
3/10/2020	<0.003	
9/11/2020	0.00043 (J)	
3/11/2021	<0.003	
8/6/2021	<0.003	
2/1/2022		<0.003
8/12/2022		<0.003
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.003	
5/17/2016	<0.003	
7/26/2016	<0.003	
9/20/2016	0.001 (J)	
11/4/2016	<0.003	
1/20/2017	<0.003	
3/28/2017	<0.003	
6/7/2017	<0.003	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/18/2019	<0.003	
9/11/2019	<0.003	
3/10/2020	<0.003	
9/14/2020	<0.003	
3/11/2021	<0.003	
8/5/2021	<0.003	
1/31/2022		<0.003
8/15/2022		<0.003
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.003	
5/18/2016	<0.003	
7/27/2016	0.0006 (J)	
9/20/2016	<0.003	
11/7/2016	<0.003	
1/23/2017	<0.003	
3/29/2017	<0.003	
6/8/2017	<0.003	
9/27/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/15/2019	<0.003	
9/12/2019	<0.003	
3/9/2020	0.00032 (J)	
9/14/2020	<0.003	
3/11/2021	<0.003	
8/5/2021	<0.003	
2/1/2022		<0.003
8/15/2022		0.0022 (J)
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.003	
5/18/2016	0.000987 (J)	
7/27/2016	0.0008 (J)	
9/20/2016	0.0012 (J)	
11/4/2016	0.001 (J)	
1/20/2017	0.0013 (J)	
3/29/2017	0.0004 (J)	
6/8/2017	<0.003 (*)	
9/27/2017	<0.003	
3/16/2018	<0.003	
9/13/2018	<0.003	
3/19/2019	<0.003	
9/11/2019	0.00099 (J)	
3/9/2020	0.00056 (J)	
9/15/2020	0.00053 (J)	
3/11/2021	0.00038 (J)	
8/5/2021	0.00082 (J)	
2/1/2022		0.0024 (J)
8/15/2022		<0.003
2/14/2023		0.0022 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.003	
5/17/2016	<0.003	
7/27/2016	0.0006 (J)	
9/20/2016	0.0018 (J)	
11/4/2016	<0.003	
1/23/2017	<0.003	
3/28/2017	<0.003	
6/8/2017	<0.003 (*)	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/15/2019	<0.003	
9/11/2019	<0.003 (D)	
3/9/2020	<0.003	
9/14/2020	<0.003	
3/11/2021	<0.003	
8/4/2021	<0.003	
1/31/2022		<0.003
8/15/2022		<0.003
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.003	
5/18/2016	<0.003	
7/27/2016	0.0023 (J)	
9/21/2016	0.0013 (J)	
11/4/2016	<0.003	
1/24/2017	<0.003	
3/29/2017	<0.003	
6/8/2017	<0.003 (*)	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/18/2019	<0.003	
9/11/2019	0.0032	
3/11/2020	0.0012 (J)	
9/11/2020	0.0011 (J)	
3/15/2021	0.0019 (J)	
8/11/2021	0.0033	
2/1/2022		<0.003
8/15/2022		0.0012 (J)
2/14/2023		0.0037

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.003	
5/18/2016	<0.003	
7/28/2016	<0.003	
9/21/2016	<0.003	
11/7/2016	<0.003 (*)	
1/24/2017	0.0024 (J)	
3/30/2017	0.0011 (J)	
6/9/2017	<0.003 (*)	
9/29/2017	0.0009 (J)	
3/15/2018	0.0012 (J)	
9/14/2018	0.00083 (J)	
3/19/2019	0.0011 (J)	
9/11/2019	0.00065 (J)	
3/9/2020	0.0018 (J)	
9/14/2020	0.0017 (J)	
3/15/2021	0.00086 (J)	
8/5/2021	0.0024 (J)	
2/1/2022		0.00097 (J)
8/15/2022		<0.003
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.003	
10/25/2007	<0.003	
11/19/2007	<0.003	
1/23/2008	<0.003	
3/11/2008	<0.003	
5/12/2008	<0.003	
12/11/2008	<0.003	
4/15/2009	<0.003	
10/9/2009	<0.003	
5/4/2010	<0.003	
10/12/2010	<0.003	
4/28/2011	<0.003	
10/19/2011	<0.003	
5/2/2012	<0.003	
10/9/2012	<0.003	
4/11/2013	<0.003	
10/16/2013	<0.003	
4/23/2014	<0.003	
10/3/2014	<0.003	
3/31/2015	<0.003	
10/12/2015	<0.003	
3/28/2016	0.00104 (J)	
5/25/2016	0.000686 (J)	
8/1/2016	<0.003	
9/27/2016	<0.003	
11/11/2016	<0.003	
1/31/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/20/2019	<0.003	
9/16/2019	<0.003	
3/16/2020	0.00031 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/9/2021	<0.003	
2/2/2022		<0.003
8/16/2022		<0.003
2/20/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.003	
10/25/2007	<0.003	
11/20/2007	<0.003	
1/23/2008	<0.003	
3/11/2008	<0.003	
5/14/2008	<0.003	
12/11/2008	<0.003	
4/23/2009	<0.003	
10/9/2009	<0.003	
5/4/2010	<0.003	
10/11/2010	<0.003	
4/26/2011	<0.003	
10/18/2011	<0.003	
5/2/2012	<0.003	
10/8/2012	<0.003	
4/10/2013	<0.003	
10/8/2013	<0.003	
4/14/2014	<0.003	
10/3/2014	<0.003	
4/1/2015	0.0035 (J)	
10/9/2015	<0.003	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/18/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.001 (J)	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/21/2019	<0.003	
9/16/2019	<0.003	
3/12/2020	0.00052 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/10/2021	<0.003	
2/2/2022		<0.003
8/17/2022		<0.003
2/17/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.003	
6/18/2015	<0.003 (D)	
7/2/2015	<0.003	
10/9/2015	<0.003	
3/29/2016	0.000768 (J)	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/14/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.0006 (J)	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/17/2018	0.0023 (J)	
3/21/2019	<0.003	
9/16/2019	<0.003	
3/12/2020	0.0011 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/10/2021	0.0028 (J)	
2/2/2022		<0.003
8/17/2022		<0.003
2/17/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/21/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
7/14/2017	0.0008 (J)	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
3/21/2019	<0.003	
9/13/2019	0.002 (J)	
3/12/2020	0.00066 (J)	
9/16/2020	0.0012 (J)	
3/17/2021	0.00099 (J)	
8/10/2021	0.0017 (J)	
2/2/2022		0.00093 (J)
8/17/2022		0.0011 (J)
2/20/2023		0.0012 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.003	
4/30/2012	<0.003	
10/3/2012	<0.003	
4/8/2013	<0.003	
10/9/2013	<0.003	
4/10/2014	<0.003	
10/2/2014	0.0025 (J)	
4/3/2015	<0.003	
10/8/2015	<0.003	
3/30/2016	<0.003	
5/24/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/22/2016	<0.003	
2/6/2017	0.0015 (J)	
4/6/2017	0.0007 (J)	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/27/2019	<0.003	
9/16/2019	<0.003 (D)	
3/12/2020	0.00043 (J)	
9/17/2020	0.00082 (J)	
3/17/2021	<0.003	
8/10/2021	0.0015 (J)	
2/2/2022		0.0015 (J)
8/17/2022		<0.003
2/21/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.003	
6/18/2015	<0.003 (D)	
7/2/2015	<0.003	
10/8/2015	<0.003	
3/22/2016	<0.003	
5/25/2016	<0.003	
8/2/2016	<0.003	
9/26/2016	<0.003	
11/21/2016	<0.003	
2/3/2017	<0.003	
4/7/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
5/6/2019	<0.003	
9/16/2019	<0.003	
3/16/2020	<0.003	
9/17/2020	<0.003	
3/18/2021	<0.003	
8/10/2021	<0.003	
2/2/2022		<0.003
8/17/2022		0.001 (J)
2/20/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/15/2008	<0.003	
3/6/2008	<0.003	
5/13/2008	<0.003	
12/12/2008	<0.003	
4/16/2009	<0.003	
10/13/2009	<0.003	
4/21/2010	<0.003	
9/29/2010	<0.003	
4/13/2011	<0.003	
10/5/2011	<0.003	
4/4/2012	<0.003	
10/8/2012	<0.003	
4/8/2013	<0.003	
10/9/2013	<0.003	
4/9/2014	<0.003	
9/30/2014	<0.003	
4/2/2015	<0.003	
10/10/2015	<0.003 (D)	
3/30/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003	
9/28/2016	<0.003	
11/21/2016	<0.003	
2/6/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	0.001 (J)	
9/18/2018	<0.003 (D)	
3/21/2019	<0.003	
9/16/2019	<0.003	
3/12/2020	<0.003	
9/17/2020	<0.003	
3/18/2021	<0.003	
8/10/2021	<0.003	
2/2/2022		<0.003
8/17/2022		<0.003
2/21/2023		<0.003

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	<0.005	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	0.0005 (J)	
10/2/2017	<0.005	
3/16/2018	0.00085 (J)	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	0.0004 (J)	
3/11/2020	0.00088 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	0.012 (O)	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		0.0019 (J)
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	0.0056	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0008 (J)	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	0.0007 (J)	
6/9/2017	0.0006 (J)	
10/2/2017	0.0005 (J)	
3/16/2018	0.001 (J)	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	0.00051 (J)	
3/11/2020	0.00044 (J)	
9/15/2020	0.00081 (J)	
3/16/2021	<0.005	
8/9/2021	0.0031 (J)	
2/1/2022		0.0053
8/16/2022		0.0033 (J)
2/16/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0011 (JD)	
2/21/2017	<0.005	
3/27/2017	0.0007 (JD)	
6/8/2017	0.0007 (JD)	
7/17/2017	0.0005 (JD)	
7/27/2017	<0.005	
8/9/2017	0.0008 (J)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
3/9/2020	0.00083 (J)	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	0.0007 (J)	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	0.00043 (J)	
3/9/2020	<0.005	
9/10/2020	<0.005	
3/12/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		0.0021 (J)
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/8/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/21/2011	<0.005	
10/13/2011	<0.005	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.005	
10/4/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/4/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	<0.005	
3/29/2021	0.001 (J)	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005	
5/24/2017	<0.005	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/9/2019	0.00068 (J)	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/12/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0012 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	0.0008 (J)	
6/6/2017	<0.005 (*)	
9/25/2017	0.001 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/9/2020	<0.005	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	<0.005 (*)	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		0.0013 (J)
8/11/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	0.0005 (J)	
6/6/2017	<0.005 (*)	
9/22/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0019 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	0.0006 (JD)	
7/12/2017	<0.005 (D)	
7/20/2017	0.0009 (JD)	
7/28/2017	<0.005	
8/9/2017	0.0011 (J)	
8/24/2017	0.0007 (J)	
10/3/2017	0.0005 (JD)	
3/21/2018	0.0012 (J)	
9/18/2018	<0.005	
3/21/2019	<0.005 (D)	
9/12/2019	0.0006 (JD)	
3/12/2020	0.0033 (J)	
9/17/2020	0.0011 (J)	
3/16/2021	0.00098 (J)	
8/10/2021	0.0025 (J)	
2/3/2022		0.0034 (J)
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	0.0079	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.015 (O)	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	0.0006 (J)	
3/20/2018	0.00079 (J)	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/4/2022		0.0023 (J)
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/8/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0019 (J)
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00058 (J)	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0023 (J)
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	0.0057	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	0.006	
4/2/2014	0.005 (J)	
10/2/2014	0.0036 (J)	
4/1/2015	0.0077	
10/11/2015	0.0071	
4/4/2016	0.00315 (J)	
5/26/2016	0.00313 (J)	
8/4/2016	0.0032 (J)	
9/28/2016	0.0029 (J)	
11/22/2016	0.0048 (J)	
2/8/2017	0.0022 (J)	
4/10/2017	0.002 (J)	
6/15/2017	0.0014 (J)	
10/4/2017	0.002 (J)	
3/22/2018	0.0022 (J)	
9/18/2018	<0.005	
3/23/2019	0.0016 (J)	
9/17/2019	0.0016 (J)	
3/12/2020	0.0012 (J)	
9/21/2020	0.0012 (J)	
3/19/2021	0.0013 (J)	
8/11/2021	0.0017 (J)	
2/4/2022		0.0035 (J)
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/16/2008	0.0086	
3/5/2008	<0.005	
5/13/2008	<0.005	
12/13/2008	0.012	
4/16/2009	0.008	
10/21/2009	0.0081	
10/5/2010	0.0067	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	0.0086	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	0.0094	
4/1/2014	0.0097	
10/2/2014	0.0055	
4/1/2015	0.011	
10/14/2015	0.007	
4/4/2016	0.00645	
5/27/2016	0.00692	
8/3/2016	0.0068	
9/30/2016	0.0065	
11/22/2016	0.0066	
2/13/2017	0.0092	
4/11/2017	0.0051	
6/14/2017	0.0056	
10/4/2017	0.0068	
3/22/2018	0.0055	
9/18/2018	0.0064	
3/23/2019	0.0055	
9/17/2019	0.00465 (JD)	
3/12/2020	0.0053	
9/21/2020	0.0065	
3/19/2021	0.0052	
8/11/2021	0.0042 (J)	
2/2/2022		0.0027 (J)
8/18/2022		0.0037 (J)
2/21/2023		0.0094 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.0096	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	0.0022 (J)	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	0.00124 (J)	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/12/2017	0.001 (J)	
6/16/2017	0.0007 (J)	
10/9/2017	0.0006 (J)	
3/21/2018	0.0013 (J)	
9/19/2018	<0.005	
3/23/2019	0.00067 (J)	
9/18/2019	0.00052 (J)	
3/13/2020	0.00096 (J)	
9/22/2020	0.00098 (J)	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.02 (O)	
4/29/2009	0.0066	
10/21/2009	<0.005	
4/28/2010	0.016 (O)	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	0.0021 (J)	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	0.00144 (J)	
6/1/2016	0.0011 (JD)	
2/22/2017	<0.005	
4/11/2017	0.0011 (JD)	
6/16/2017	0.0043 (JD)	
7/12/2017	0.0013 (JD)	
7/28/2017	0.0013 (J)	
8/10/2017	0.0011 (J)	
10/6/2017	0.0013 (JD)	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	0.00097 (J)	
9/18/2019	0.00045 (X)	
3/17/2020	0.00067 (J)	
9/22/2020	0.00086 (J)	
3/19/2021	0.00084 (J)	
8/12/2021	<0.005	
2/4/2022		0.0035 (J)
8/19/2022		<0.005
2/22/2023		0.0031 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	0.0079	
5/7/2008	<0.005	
12/2/2008	0.014 (O)	
4/16/2009	0.0069	
10/20/2009	0.0054	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	0.00096 (J)	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0019 (J)
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	0.0005 (J)	
6/15/2017	<0.005	
10/6/2017	0.0008 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.00047 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0026 (J)
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	0.0077	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/2/2008	0.0061	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	0.0025 (J)	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	0.00153 (J)	
5/31/2016	0.00261 (J)	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	0.0007 (J)	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	0.0009 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.00052 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		0.0025 (J)
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.00101 (J)	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	0.0009 (J)	
6/5/2017	0.0033 (J)	
9/26/2017	0.0008 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	0.0013 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005 (D)	
6/7/2017	<0.005 (*)	
9/27/2017	0.0006 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	0.0004 (J)	
6/7/2017	<0.005 (*)	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	<0.005	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.0006 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/12/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.00136 (J)	
5/18/2016	0.00127 (J)	
7/27/2016	0.0012 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.001 (J)	
9/27/2017	0.0009 (J)	
3/16/2018	<0.005	
9/13/2018	0.00091 (J)	
3/19/2019	<0.005	
9/11/2019	0.00067 (J)	
3/9/2020	0.00051 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	0.0012 (J)	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/21/2016	<0.005	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/11/2020	0.00041 (J)	
9/11/2020	<0.005	
3/15/2021	<0.005	
8/11/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.005	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0006 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	<0.005	
11/20/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	0.014 (O)	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	<0.005	
10/3/2014	<0.005	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	0.0006 (J)	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	0.00089 (J)	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	0.00071 (J)	
3/12/2020	0.00055 (J)	
9/16/2020	<0.005	
3/17/2021	0.0013 (J)	
8/10/2021	0.0016 (J)	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	0.00038 (J)	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.0012 (J)
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0031 (J)	
9/27/2016	0.0028 (J)	
11/21/2016	0.0031 (J)	
2/1/2017	0.0031 (J)	
4/6/2017	0.003 (J)	
6/13/2017	0.0024 (J)	
7/14/2017	0.0029 (J)	
10/3/2017	0.0018 (J)	
3/20/2018	0.0024 (J)	
9/18/2018	<0.005	
3/21/2019	0.00077 (J)	
9/13/2019	0.0017 (J)	
3/12/2020	0.00044 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	0.0013 (J)	
2/2/2022		0.002 (J)
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.0029 (J)	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00077 (J)	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	0.0004 (JD)	
3/12/2020	0.00039 (J)	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.0013 (J)
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	0.0006 (J)	
9/18/2018	<0.005	
5/6/2019	0.00063 (J)	
9/16/2019	0.00043 (J)	
3/16/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	0.00082 (J)	
8/10/2021	<0.005	
2/2/2022		0.0011 (J)
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	0.0086	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	0.0065	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	0.00116 (J)	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	0.00044 (J)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.0013 (J)
8/17/2022		<0.005
2/21/2023		0.0028 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	0.02	
10/23/2007	0.039	
11/18/2007	0.04 (J)	
1/30/2008	0.04	
3/10/2008	0.033	
5/13/2008	0.03	
12/5/2008	0.0087	
4/15/2009	0.023	
10/7/2009	0.15 (O)	
5/3/2010	0.025	
10/12/2010	0.029	
4/27/2011	0.026	
10/17/2011	0.021	
5/2/2012	0.0212	
10/8/2012	0.019	
4/12/2013	0.022	
10/16/2013	0.02	
4/11/2014	0.018	
9/30/2014	0.013	
3/30/2015	0.021	
10/13/2015	0.012	
3/22/2016	0.0182	
5/19/2016	0.0193	
7/29/2016	0.0174	
9/23/2016	0.0168	
11/9/2016	0.0171	
1/30/2017	0.019	
3/30/2017	0.0184	
6/9/2017	0.0174	
10/2/2017	0.0167	
3/16/2018	0.016	
9/17/2018	0.015 (D)	
3/20/2019	0.019	
9/12/2019	0.018	
3/11/2020	0.016	
9/15/2020	0.019	
3/16/2021	0.018	
8/9/2021	0.019	
2/1/2022		0.015
8/16/2022		0.017
2/16/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	0.0073	
10/24/2007	0.027	
11/18/2007	0.13 (O)	
1/31/2008	0.0077	
3/11/2008	0.015	
5/6/2008	0.017	
12/4/2008	0.14 (O)	
4/21/2009	0.018	
10/7/2009	0.014	
4/26/2010	0.017	
10/4/2010	0.011	
4/13/2011	0.026	
10/5/2011	0.021	
4/11/2012	0.0311	
10/9/2012	0.018	
4/15/2013	0.056	
10/15/2013	0.018	
4/22/2014	0.035	
9/30/2014	0.0041	
3/30/2015	0.036	
10/13/2015	0.0048	
3/23/2016	0.0271	
5/20/2016	0.0206	
7/29/2016	0.0275	
9/23/2016	0.0384	
11/9/2016	0.0266	
1/31/2017	0.0094 (J)	
3/30/2017	0.0262	
6/12/2017	0.0288	
10/2/2017	0.0048 (J)	
3/19/2018	0.037	
9/14/2018	0.0059 (J)	
3/20/2019	0.0072 (J)	
9/12/2019	0.0058 (JD)	
3/11/2020	0.035	
9/15/2020	0.019	
3/17/2021	0.025	
8/9/2021	0.024	
2/1/2022		0.026
8/16/2022		0.021
2/16/2023		0.029

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	0.0098	
10/24/2007	0.015	
11/18/2007	0.011	
1/31/2008	0.13 (O)	
3/10/2008	0.0078	
5/13/2008	0.0077	
12/4/2008	0.0089	
4/21/2009	0.013	
10/8/2009	0.008	
4/21/2010	0.01	
9/28/2010	0.0036	
4/12/2011	0.0084	
10/4/2011	0.0066	
4/3/2012	0.0625 (O)	
10/9/2012	0.01	
4/11/2013	0.021	
10/16/2013	0.033	
4/10/2014	0.021	
9/30/2014	0.0062	
3/30/2015	0.011	
10/13/2015	0.0065	
3/23/2016	0.0206	
5/19/2016	0.0109	
7/29/2016	0.007 (J)	
9/22/2016	0.0071 (J)	
11/10/2016	0.0052 (J)	
1/31/2017	0.0076 (J)	
4/3/2017	0.007 (J)	
6/9/2017	0.0074 (J)	
10/2/2017	0.0085 (J)	
3/16/2018	0.015	
9/14/2018	0.0095 (J)	
3/19/2019	0.024	
9/13/2019	0.012	
3/11/2020	0.027	
9/15/2020	0.013	
3/16/2021	0.013	
8/9/2021	0.029	
2/1/2022		0.024
8/16/2022		0.027
2/16/2023		0.028

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0113 (D)	
7/27/2016	0.0114 (D)	
2/21/2017	0.0178	
3/27/2017	0.0162 (D)	
6/8/2017	0.0156 (D)	
7/17/2017	0.016 (D)	
7/27/2017	0.0184	
8/9/2017	0.0162	
9/29/2017	0.0159 (D)	
3/16/2018	0.016	
9/14/2018	0.015	
3/14/2019	0.018	
3/9/2020	0.017	
9/16/2020	0.027	
3/16/2021	0.014	
8/6/2021	0.014	
2/2/2022		0.013
8/16/2022		0.013
2/14/2023		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.0234	
5/11/2016	0.00793 (J)	
7/19/2016	0.0045 (J)	
9/15/2016	0.0057 (J)	
11/2/2016	0.0043 (J)	
1/18/2017	<0.01 (*)	
3/28/2017	0.0188	
6/7/2017	0.0273	
9/26/2017	0.0236	
3/14/2018	0.027	
9/12/2018	0.022	
3/15/2019	0.019	
9/9/2019	0.015	
3/9/2020	0.0072 (J)	
9/10/2020	0.0042 (J)	
3/12/2021	0.014	
8/4/2021	0.011	
1/31/2022		0.013
8/10/2022		0.01
2/13/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.015 (O)	
11/2/2007	0.017 (O)	
11/18/2007	0.019 (O)	
1/31/2008	0.011 (O)	
3/11/2008	0.016 (O)	
5/14/2008	0.013 (O)	
12/5/2008	0.021 (O)	
4/15/2009	0.012 (O)	
10/8/2009	0.011 (O)	
4/28/2010	0.0081	
10/6/2010	0.0083	
4/21/2011	0.0053	
10/13/2011	0.0071	
5/1/2012	0.0067	
10/9/2012	0.0055	
4/11/2013	0.0061	
10/16/2013	0.0062	
4/23/2014	0.0047	
10/4/2014	0.0055	
3/31/2015	0.0076	
10/12/2015	0.0049	
3/23/2016	0.00742 (J)	
5/23/2016	0.00532 (J)	
7/29/2016	0.0053 (J)	
9/22/2016	0.0058 (J)	
11/10/2016	0.0051 (J)	
1/31/2017	0.0054 (J)	
3/30/2017	0.0049 (J)	
6/12/2017	<0.01	
10/4/2017	0.0047 (J)	
3/19/2018	0.0047 (J)	
9/17/2018	0.0041 (J)	
3/20/2019	0.0042 (J)	
9/13/2019	0.0042 (J)	
3/11/2020	0.0041 (J)	
3/29/2021	0.0073	
8/9/2021	0.0073	
2/2/2022		0.0064
8/16/2022		0.0067
2/17/2023		0.0065

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	0.0101	
5/11/2016	0.00992 (J)	
7/21/2016	0.009 (J)	
9/15/2016	0.0109	
11/3/2016	0.0115	
1/17/2017	0.0101	
3/24/2017	0.0086 (J)	
5/24/2017	0.0087 (J)	
9/26/2017	0.0075 (J)	
3/14/2018	0.0064 (J)	
9/12/2018	0.0075 (J)	
3/13/2019	0.0076 (J)	
9/9/2019	0.0078 (J)	
3/9/2020	0.0088 (J)	
9/11/2020	0.0079 (J)	
3/10/2021	0.0083	
8/4/2021	0.008	
1/31/2022		0.0081
8/12/2022		0.0076
2/13/2023		0.0075

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	0.0291	
5/12/2016	0.0322	
7/20/2016	0.0313	
9/15/2016	0.0217	
11/3/2016	0.0272	
1/18/2017	0.0286 (J)	
3/24/2017	0.0307	
6/6/2017	0.0242	
9/25/2017	0.0252	
3/14/2018	0.021	
9/12/2018	0.025	
3/14/2019	0.028	
9/10/2019	0.0195 (D)	
3/6/2020	0.022	
9/10/2020	0.024	
3/11/2021	0.024	
8/4/2021	0.021	
1/31/2022		0.022
8/11/2022		0.022
2/13/2023		0.029

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	0.0462	
5/13/2016	0.0265	
7/21/2016	0.0243	
9/21/2016	0.0145	
11/3/2016	0.0082 (J)	
1/17/2017	0.007 (J)	
3/27/2017	0.016	
6/6/2017	0.0301	
9/25/2017	0.0169	
3/14/2018	0.036	
9/12/2018	0.021	
3/14/2019	0.04	
9/10/2019	0.031	
3/9/2020	0.031	
9/10/2020	0.031	
3/10/2021	0.023	
8/4/2021	0.021	
1/31/2022		0.031
8/11/2022		0.019
2/13/2023		0.028

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.00639 (J)	
5/16/2016	0.00622 (J)	
7/22/2016	0.0062 (J)	
9/19/2016	0.0064 (J)	
11/3/2016	0.0058 (J)	
1/17/2017	0.0061 (J)	
3/27/2017	0.0063 (J)	
6/7/2017	0.0064 (J)	
9/26/2017	0.006 (J)	
3/14/2018	0.0065 (J)	
9/14/2018	0.0065 (J)	
3/14/2019	0.0066 (J)	
9/10/2019	0.0068 (J)	
3/6/2020	0.0066 (J)	
9/10/2020	0.0059 (J)	
3/11/2021	0.0061	
8/4/2021	0.0061	
1/31/2022		0.0063
8/10/2022		0.0063
2/13/2023		0.0061

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.0116	
5/13/2016	0.0361	
7/19/2016	0.036	
9/16/2016	0.0259	
11/2/2016	0.037	
1/18/2017	0.0248	
3/28/2017	0.0222	
6/6/2017	0.02	
9/22/2017	0.0179	
3/14/2018	0.016	
9/12/2018	0.017	
3/13/2019	0.014	
9/11/2019	0.015	
3/9/2020	0.012	
9/11/2020	0.024	
3/11/2021	0.0096	
8/6/2021	0.015	
1/31/2022		0.014
8/11/2022		0.016
2/14/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00819 (J)	
5/13/2016	0.00756 (J)	
7/19/2016	0.0079 (J)	
9/16/2016	0.0078 (J)	
11/2/2016	0.0082 (J)	
1/18/2017	0.0085 (J)	
3/28/2017	0.0084 (J)	
6/6/2017	0.0078 (J)	
9/22/2017	0.0076 (J)	
3/15/2018	0.0092 (J)	
9/12/2018	0.008 (J)	
3/13/2019	0.0077 (J)	
9/11/2019	0.0079 (J)	
3/9/2020	0.0069 (J)	
9/14/2020	0.0075 (J)	
3/11/2021	0.0069	
8/5/2021	0.0069	
1/31/2022		0.0076
8/10/2022		0.0066
2/13/2023		0.0064

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0273	
4/7/2017	0.024	
6/14/2017	0.027 (D)	
7/12/2017	0.027 (D)	
7/20/2017	0.0304 (D)	
7/28/2017	0.0269	
8/9/2017	0.0254	
8/24/2017	0.0285	
10/3/2017	0.0294 (D)	
3/21/2018	0.03	
9/18/2018	0.032	
3/21/2019	0.04 (D)	
9/12/2019	0.034 (D)	
3/12/2020	0.053	
9/17/2020	0.036	
3/16/2021	0.042	
8/10/2021	0.045	
2/3/2022		0.063
8/17/2022		0.034
2/17/2023		0.043

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.098 (O)	
4/23/2009	0.013	
10/6/2009	0.011	
4/27/2010	0.016	
9/30/2010	0.013	
4/14/2011	0.011	
10/5/2011	0.015	
4/11/2012	0.0102	
10/2/2012	0.0091	
4/9/2013	0.01	
10/15/2013	0.0098	
4/10/2014	0.011	
10/1/2014	0.0033	
3/30/2015	0.0043	
10/11/2015	0.0038	
3/28/2016	0.0133	
5/23/2016	0.0109	
8/1/2016	0.0058 (J)	
9/26/2016	0.0092 (J)	
11/10/2016	0.0083 (J)	
1/30/2017	0.0117	
4/7/2017	0.0109	
6/12/2017	<0.01	
10/2/2017	0.0122	
3/16/2018	0.0084 (J)	
9/17/2018	0.01	
3/19/2019	0.012	
9/13/2019	0.0088 (J)	
3/11/2020	0.0077 (J)	
9/16/2020	0.0081 (J)	
3/17/2021	0.0074	
8/9/2021	0.0071	
2/1/2022		0.0065
8/16/2022		0.0072
2/16/2023		0.0067

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.016	
4/23/2009	0.14 (O)	
10/6/2009	0.12 (O)	
5/3/2010	0.12 (O)	
10/11/2010	0.019	
4/27/2011	0.02	
10/19/2011	0.014	
5/1/2012	0.0199	
10/2/2012	0.015	
4/10/2013	0.016	
10/16/2013	0.017	
4/22/2014	0.017	
10/1/2014	0.013	
3/30/2015	0.014	
10/11/2015	0.0093	
3/28/2016	0.0155	
5/25/2016	0.0143	
8/1/2016	0.0129	
9/26/2016	0.0177	
11/11/2016	0.0117	
1/30/2017	0.0113	
4/3/2017	0.0166	
6/12/2017	0.017	
10/2/2017	0.0157	
3/16/2018	0.012	
9/18/2018	0.0099 (J)	
3/19/2019	0.013	
9/12/2019	0.011	
3/11/2020	0.0095 (J)	
9/15/2020	0.0089 (J)	
3/17/2021	0.012	
8/9/2021	0.0089	
2/2/2022		0.009
8/17/2022		0.0091
2/16/2023		0.0081

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.021	
11/1/2007	0.017	
11/20/2007	0.1 (O)	
1/30/2008	0.035	
3/6/2008	0.042	
5/12/2008	0.0087	
12/13/2008	0.12 (O)	
4/29/2009	0.11 (O)	
10/20/2009	0.016	
4/26/2010	0.016	
9/29/2010	0.016	
4/13/2011	0.012	
10/5/2011	0.014	
4/4/2012	0.017	
10/3/2012	0.015	
4/3/2013	0.018	
10/15/2013	0.018	
4/9/2014	0.019	
10/2/2014	0.016	
4/2/2015	0.017	
10/10/2015	0.014	
3/31/2016	0.0179	
5/26/2016	0.0186	
8/5/2016	0.0138	
9/28/2016	0.0153	
11/22/2016	0.0184 (J)	
2/7/2017	0.0215	
4/10/2017	0.0247	
6/14/2017	0.0227	
10/4/2017	0.0172	
3/20/2018	0.021	
9/18/2018	0.02	
3/22/2019	0.024	
9/17/2019	0.016	
3/12/2020	0.026	
9/17/2020	0.013	
3/18/2021	0.025	
8/10/2021	0.023	
2/4/2022		0.022
8/17/2022		0.016
2/20/2023		0.02

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.027	
11/1/2007	0.024	
11/20/2007	0.022	
1/30/2008	0.033 (J)	
3/6/2008	0.019	
5/8/2008	0.017	
12/14/2008	0.02	
4/29/2009	0.017	
10/21/2009	0.021	
4/21/2010	0.019	
9/28/2010	0.018	
4/12/2011	0.017	
10/4/2011	0.022	
4/3/2012	0.0212	
10/8/2012	0.019	
4/3/2013	0.021	
10/15/2013	0.022	
4/9/2014	0.02	
10/2/2014	0.023	
4/2/2015	0.022	
10/12/2015	0.028	
3/31/2016	0.0273	
5/26/2016	0.0305	
8/3/2016	0.0284	
9/28/2016	0.036	
11/22/2016	0.0341 (J)	
2/7/2017	0.0309	
4/10/2017	0.0235	
6/14/2017	0.0258	
10/4/2017	0.0234	
3/21/2018	0.022	
9/18/2018	0.03	
3/22/2019	0.022	
9/17/2019	0.03	
3/12/2020	0.028	
9/17/2020	0.022	
3/18/2021	0.027	
8/11/2021	0.027	
2/4/2022		0.028
8/18/2022		0.025
2/20/2023		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	0.034	
11/1/2007	0.036	
11/18/2007	0.036	
1/30/2008	0.031 (J)	
3/5/2008	0.018	
5/7/2008	0.015	
12/14/2008	0.12 (O)	
4/29/2009	0.0079	
10/22/2009	0.007	
4/21/2010	0.0074	
9/28/2010	0.0068	
4/12/2011	0.0089	
10/4/2011	0.012	
4/3/2012	0.0169	
10/3/2012	0.03	
4/3/2013	0.008	
10/9/2013	0.0093	
4/2/2014	0.031	
10/2/2014	0.035	
4/1/2015	0.013	
10/11/2015	0.0079	
4/4/2016	0.0119	
5/26/2016	0.0127	
8/3/2016	0.0121	
9/28/2016	0.0112	
11/22/2016	0.0155 (J)	
2/8/2017	0.0115	
4/10/2017	<0.0117	
6/15/2017	0.0112	
10/4/2017	0.0093 (J)	
3/21/2018	0.012	
9/18/2018	0.011	
3/23/2019	0.0081 (J)	
9/17/2019	0.011	
3/12/2020	0.0086 (J)	
9/21/2020	0.0093 (J)	
3/19/2021	0.011	
8/11/2021	0.0086	
2/4/2022		0.01
8/18/2022		0.0078
2/20/2023		0.0071

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	0.01	
11/1/2007	0.012	
11/18/2007	0.011	
1/30/2008	0.013	
3/6/2008	0.017	
5/7/2008	0.0066	
12/14/2008	0.013	
4/29/2009	0.0098	
10/22/2009	0.013	
4/21/2010	0.0069	
9/29/2010	0.0049	
4/13/2011	0.0074	
10/4/2011	0.0062	
4/4/2012	0.0091	
10/3/2012	0.0089	
4/3/2013	0.012	
10/9/2013	0.0079	
4/2/2014	0.0086	
10/2/2014	0.01	
4/1/2015	0.019	
10/11/2015	0.014	
4/4/2016	0.0176	
5/26/2016	0.0195	
8/4/2016	0.0151	
9/28/2016	0.0132	
11/22/2016	0.0186 (J)	
2/8/2017	0.015	
4/10/2017	0.0172	
6/15/2017	0.0167	
10/4/2017	0.0156	
3/22/2018	0.017	
9/18/2018	0.017	
3/23/2019	0.019	
9/17/2019	0.018	
3/12/2020	0.021	
9/21/2020	0.016	
3/19/2021	0.021	
8/11/2021	0.021	
2/4/2022		0.021
8/18/2022		0.019
2/20/2023		0.02

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	0.023	
11/1/2007	0.034	
11/19/2007	0.043	
1/16/2008	0.13 (O)	
3/5/2008	0.07	
5/13/2008	0.039	
12/13/2008	0.13 (O)	
4/16/2009	0.13 (O)	
10/21/2009	0.033	
4/27/2010	0.11 (O)	
10/5/2010	0.027	
4/19/2011	0.025	
10/12/2011	0.025	
4/24/2012	0.027	
10/2/2012	0.013	
4/2/2013	0.031	
10/9/2013	0.025	
4/1/2014	0.023	
10/2/2014	0.025	
4/1/2015	0.025	
10/14/2015	0.027	
4/4/2016	0.0285	
5/27/2016	0.0257	
8/3/2016	0.0237	
9/30/2016	0.0279	
11/22/2016	0.0286 (J)	
2/13/2017	0.0313	
4/11/2017	0.0254	
6/14/2017	0.0241	
10/4/2017	0.0256	
3/22/2018	0.024	
9/18/2018	0.025	
3/23/2019	0.024	
9/17/2019	0.0245 (D)	
3/12/2020	0.023	
9/21/2020	0.023	
3/19/2021	0.024	
8/11/2021	0.025	
2/2/2022		0.023
8/18/2022		0.022
2/21/2023		0.023

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.065	
11/1/2007	0.019	
11/19/2007	0.015	
1/31/2008	0.022	
3/5/2008	0.012	
5/12/2008	0.014	
12/13/2008	0.11 (O)	
4/28/2009	0.12 (O)	
10/21/2009	0.023	
4/28/2010	0.019	
10/5/2010	0.018	
4/19/2011	0.019	
10/18/2011	0.025	
4/25/2012	0.024	
10/2/2012	0.019	
4/2/2013	0.021	
10/8/2013	0.027	
4/1/2014	0.023	
10/1/2014	0.014	
4/1/2015	0.027	
10/15/2015	0.033	
4/4/2016	0.027	
5/31/2016	0.0283	
8/4/2016	0.0358	
9/29/2016	0.0437	
11/28/2016	0.0419 (J)	
2/9/2017	0.0472	
4/12/2017	0.0383	
6/16/2017	0.0457	
10/9/2017	0.0406	
3/21/2018	0.032	
9/19/2018	0.034	
3/23/2019	0.023	
9/18/2019	0.033	
3/13/2020	0.023	
9/22/2020	0.027	
3/18/2021	0.023	
8/11/2021	0.025	
2/17/2022		0.02
8/18/2022		0.021
2/22/2023		0.022

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.0089	
11/2/2007	0.0091	
11/17/2007	0.021	
1/15/2008	0.013	
3/5/2008	0.11 (O)	
5/7/2008	0.01	
12/2/2008	0.12 (O)	
4/16/2009	0.13 (O)	
10/20/2009	0.05	
4/20/2010	0.019	
9/29/2010	0.017	
4/12/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.0182	
10/10/2012	0.048	
4/15/2013	0.03	
10/22/2013	0.033	
4/21/2014	0.033	
9/30/2014	0.027	
4/3/2015	0.13 (O)	
10/7/2015	0.047	
4/5/2016	0.0279	
6/1/2016	0.0249	
8/9/2016	0.0268	
11/28/2016	<0.01	
2/9/2017	0.0119	
4/11/2017	0.0112 (D)	
6/14/2017	<0.01	
7/12/2017	0.0105	
10/5/2017	0.0099 (J)	
3/22/2018	0.011	
9/19/2018	0.013	
3/22/2019	0.014	
9/17/2019	0.015	
3/13/2020	0.017	
9/21/2020	0.013	
3/18/2021	0.014	
8/11/2021	0.016	
2/4/2022		0.014
8/18/2022		0.014
2/22/2023		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.015	
11/2/2007	0.024	
11/17/2007	0.027	
1/15/2008	0.022	
3/6/2008	0.021	
5/7/2008	0.023	
12/2/2008	0.024	
4/28/2009	0.031	
10/19/2009	0.027	
4/27/2010	0.051 (O)	
10/4/2010	0.028	
4/18/2011	0.026	
10/12/2011	0.026	
4/23/2012	0.0224	
10/10/2012	0.024	
4/15/2013	0.029	
10/22/2013	0.022	
4/21/2014	0.025	
9/30/2014	0.022	
4/3/2015	0.022	
10/7/2015	0.023	
4/5/2016	0.0308	
5/31/2016	0.0255	
8/4/2016	0.0227	
9/29/2016	0.0258	
11/23/2016	0.0263 (J)	
2/10/2017	0.025	
4/12/2017	0.026	
6/15/2017	0.0244	
10/6/2017	0.0254	
3/23/2018	0.021	
9/19/2018	0.02	
3/25/2019	0.021	
9/17/2019	0.023	
3/13/2020	0.02	
9/21/2020	0.021	
3/18/2021	0.02	
8/11/2021	0.019	
2/4/2022		0.017
8/19/2022		0.016
2/22/2023		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.017	
11/2/2007	0.011	
11/18/2007	0.012 (J)	
1/15/2008	0.088 (O)	
3/10/2008	0.0077	
5/13/2008	0.0055	
12/2/2008	0.0097	
4/28/2009	0.0042	
10/20/2009	0.0056	
4/27/2010	0.0039	
10/5/2010	0.0047	
4/19/2011	0.0071	
10/12/2011	0.0098	
4/25/2012	0.0088	
10/10/2012	0.0093	
4/16/2013	0.0098	
10/22/2013	0.0097	
4/21/2014	0.008	
9/30/2014	0.0074	
4/3/2015	0.0076	
10/6/2015	0.0088	
4/5/2016	0.00971 (J)	
5/31/2016	0.00589 (J)	
11/23/2016	<0.05	
2/10/2017	0.0233	
4/11/2017	0.0162	
6/15/2017	0.0148	
7/12/2017	0.0166	
7/26/2017	0.0146	
10/6/2017	0.015	
3/23/2018	0.013	
9/19/2018	0.015	
3/22/2019	0.014	
9/17/2019	0.014	
3/13/2020	0.014	
9/21/2020	0.013	
3/18/2021	0.012	
8/11/2021	0.013	
2/7/2022		0.012
8/19/2022		0.011
2/22/2023		0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.0545	
5/16/2016	0.0418	
7/25/2016	0.0179	
9/19/2016	0.0152	
11/3/2016	0.0127	
1/19/2017	0.0172	
3/28/2017	0.0437	
6/5/2017	0.0747	
9/26/2017	0.0338	
3/15/2018	0.059	
9/12/2018	0.032	
3/14/2019	0.077	
9/11/2019	0.036	
3/10/2020	0.059	
9/15/2020	0.035	
3/11/2021	0.046	
8/4/2021	0.047	
1/31/2022		0.047
8/15/2022		0.04
2/14/2023		0.042

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.00599 (J)	
5/16/2016	0.006 (J)	
7/25/2016	0.0056 (J)	
9/19/2016	0.0059 (J)	
11/4/2016	0.0054 (J)	
1/23/2017	0.006 (J)	
3/29/2017	0.0058 (J)	
6/7/2017	0.0062 (J)	
9/27/2017	0.0056 (J)	
3/15/2018	0.0057 (J)	
9/13/2018	0.0057 (J)	
3/14/2019	0.0066 (J)	
9/11/2019	0.0061 (J)	
3/10/2020	0.0061 (J)	
9/11/2020	0.006 (J)	
3/11/2021	0.0059	
8/6/2021	0.0061	
2/1/2022		0.0072
8/12/2022		0.0064
2/14/2023		0.0067

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.0244	
5/16/2016	0.0222	
7/25/2016	0.02	
9/19/2016	0.019	
11/3/2016	0.0177	
1/20/2017	0.0173	
3/29/2017	0.0184	
6/7/2017	0.019	
9/27/2017	0.0197	
3/15/2018	0.021	
9/13/2018	0.022	
3/14/2019	0.024	
9/11/2019	0.021	
3/10/2020	0.024	
9/11/2020	0.021	
3/11/2021	0.022	
8/6/2021	0.023	
2/1/2022		0.026
8/12/2022		0.022
2/14/2023		0.025

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	0.0209	
5/17/2016	0.0202	
7/26/2016	0.0165	
9/20/2016	0.0132	
11/4/2016	0.012	
1/20/2017	0.0133	
3/28/2017	0.0161	
6/7/2017	0.0141	
9/29/2017	0.0151	
3/15/2018	0.015	
9/13/2018	0.014	
3/18/2019	0.014	
9/11/2019	0.013	
3/10/2020	0.013	
9/14/2020	0.013	
3/11/2021	0.012	
8/5/2021	0.013	
1/31/2022		0.011
8/15/2022		0.0098
2/14/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.0144	
5/18/2016	0.0136	
7/27/2016	0.013	
9/20/2016	0.0146	
11/7/2016	0.0124	
1/23/2017	0.0158	
3/29/2017	0.017	
6/8/2017	0.0149	
9/27/2017	0.012	
3/15/2018	0.011	
9/13/2018	0.011	
3/15/2019	0.01	
9/12/2019	0.0085 (J)	
3/9/2020	0.0089 (J)	
9/14/2020	0.0082 (J)	
3/11/2021	0.0083	
8/5/2021	0.0077	
2/1/2022		0.0081
8/15/2022		0.0074
2/14/2023		0.0075

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.0344	
5/18/2016	0.0184	
7/27/2016	0.0146	
9/20/2016	0.0122	
11/4/2016	0.0119	
1/20/2017	0.0114	
3/29/2017	0.0116	
6/8/2017	<0.011 (*)	
9/27/2017	0.0098 (J)	
3/16/2018	0.01	
9/13/2018	0.0092 (J)	
3/19/2019	0.0088 (J)	
9/11/2019	0.0097 (J)	
3/9/2020	0.0082 (J)	
9/15/2020	0.0084 (J)	
3/11/2021	0.0073	
8/5/2021	0.0069	
2/1/2022		0.0077
8/15/2022		0.0077
2/14/2023		0.0072

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.0361	
5/17/2016	0.0277	
7/27/2016	0.0276	
9/20/2016	0.0266	
11/4/2016	0.0239	
1/23/2017	<0.01	
3/28/2017	0.024	
6/8/2017	0.0317	
9/29/2017	0.0265	
3/15/2018	0.029	
9/13/2018	0.026	
3/15/2019	0.026	
9/11/2019	0.0295 (D)	
3/9/2020	0.029	
9/14/2020	0.035	
3/11/2021	0.038	
5/26/2021	0.039	
8/4/2021	0.034	
1/31/2022		0.038
8/15/2022		0.045
2/14/2023		0.04

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	0.0112	
5/18/2016	0.0107	
7/27/2016	0.0104	
9/21/2016	0.0106	
11/4/2016	0.0098 (J)	
1/24/2017	0.0101	
3/29/2017	0.0103	
6/8/2017	<0.0106 (*)	
9/29/2017	0.0097 (J)	
3/15/2018	0.0093 (J)	
9/13/2018	0.01	
3/18/2019	0.015	
9/11/2019	0.017	
3/11/2020	0.026	
9/11/2020	0.012	
3/15/2021	0.012	
8/11/2021	0.025	
2/1/2022		0.011
8/15/2022		0.0098
2/14/2023		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.0121	
5/18/2016	0.0117	
7/28/2016	0.0081 (J)	
9/21/2016	0.0106	
11/7/2016	0.0047 (J)	
1/24/2017	0.0071 (J)	
3/30/2017	0.0043 (J)	
6/9/2017	<0.01 (*)	
9/29/2017	0.004 (J)	
3/15/2018	0.0032 (J)	
9/14/2018	0.004 (J)	
3/19/2019	0.0033 (J)	
9/11/2019	0.0038 (J)	
3/9/2020	0.0045 (J)	
9/14/2020	0.0027 (J)	
3/15/2021	0.0028 (J)	
8/5/2021	0.0036 (J)	
2/1/2022		0.003 (J)
8/15/2022		0.0041 (J)
2/14/2023		0.0041 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.017	
10/25/2007	0.023	
11/19/2007	0.024	
1/23/2008	0.028	
3/11/2008	0.022	
5/12/2008	0.021	
12/11/2008	0.022	
4/15/2009	0.13 (O)	
10/9/2009	0.026	
5/4/2010	0.018	
10/12/2010	0.019	
4/28/2011	0.015	
10/19/2011	0.016	
5/2/2012	0.0191	
10/9/2012	0.019	
4/11/2013	0.013	
10/16/2013	0.017	
4/23/2014	0.015	
10/3/2014	0.02	
3/31/2015	0.014	
10/12/2015	0.017	
3/28/2016	0.0173	
5/25/2016	0.0175	
8/1/2016	0.0145	
9/27/2016	0.0139	
11/11/2016	0.0135	
1/31/2017	0.0153	
4/3/2017	0.0135	
6/12/2017	0.0154	
10/3/2017	0.0138	
3/19/2018	0.013	
9/17/2018	0.014	
3/20/2019	0.018	
9/16/2019	0.022	
3/16/2020	0.024	
9/16/2020	0.013	
3/17/2021	0.014	
8/9/2021	0.012	
2/2/2022		0.012
8/16/2022		0.013
2/20/2023		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	0.023	
10/25/2007	0.018	
11/20/2007	0.1 (O)	
1/23/2008	0.031	
3/11/2008	0.016	
5/14/2008	0.024	
12/11/2008	0.022	
4/23/2009	0.012	
10/9/2009	0.11 (O)	
5/4/2010	0.096 (O)	
10/11/2010	0.018	
4/26/2011	0.01	
10/18/2011	0.012	
5/2/2012	0.0119	
10/8/2012	0.01	
4/10/2013	0.013	
10/8/2013	0.014	
4/14/2014	0.01	
10/3/2014	0.014	
4/1/2015	0.013	
10/9/2015	0.008	
3/29/2016	0.00738 (J)	
5/24/2016	0.00902 (J)	
8/1/2016	0.0091 (J)	
9/26/2016	0.0124	
11/18/2016	0.0117	
2/1/2017	0.0086 (J)	
4/6/2017	0.0083 (J)	
6/13/2017	<0.01	
10/3/2017	0.0084 (J)	
3/19/2018	0.0079 (J)	
9/17/2018	0.0065 (J)	
3/21/2019	0.0074 (J)	
9/16/2019	0.0075 (J)	
3/12/2020	0.0075 (J)	
9/16/2020	0.0074 (J)	
3/17/2021	0.0075	
8/10/2021	0.0074	
2/2/2022		0.0064
8/17/2022		0.0065
2/17/2023		0.0067

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	0.016	
6/18/2015	0.015 (D)	
7/2/2015	0.014	
10/9/2015	0.012	
3/29/2016	0.00786 (J)	
5/24/2016	0.00847 (J)	
8/1/2016	0.0086 (J)	
9/26/2016	0.0086 (J)	
11/14/2016	0.0083 (J)	
2/1/2017	0.0096 (J)	
4/6/2017	0.0087 (J)	
6/13/2017	<0.01	
10/3/2017	0.0098 (J)	
3/20/2018	0.0088 (J)	
9/17/2018	0.0082 (J)	
3/21/2019	0.0075 (J)	
9/16/2019	0.0072 (J)	
3/12/2020	0.0072 (J)	
9/16/2020	0.0066 (J)	
3/17/2021	0.0072	
8/10/2021	0.0072	
2/2/2022		0.0066
8/17/2022		0.0068
2/17/2023		0.0067

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	0.0178	
8/2/2016	0.0394	
9/27/2016	0.032	
11/21/2016	0.0316 (J)	
2/1/2017	0.0264	
4/6/2017	0.0245	
6/13/2017	0.0247	
7/14/2017	0.0245	
10/3/2017	0.0218	
3/20/2018	0.024	
9/18/2018	0.027	
3/21/2019	0.03	
9/13/2019	0.031	
3/12/2020	0.022	
9/16/2020	0.02	
3/17/2021	0.022	
8/10/2021	0.02	
2/2/2022		0.015
8/17/2022		0.014
2/20/2023		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	0.015	
4/30/2012	0.0192	
10/3/2012	0.017	
4/8/2013	0.018	
10/9/2013	0.021	
4/10/2014	0.019	
10/2/2014	0.014	
4/3/2015	0.014	
10/8/2015	0.024	
3/30/2016	0.0163	
5/24/2016	0.0137	
8/2/2016	0.0152	
9/27/2016	0.0147	
11/22/2016	0.0174 (J)	
2/6/2017	0.0144	
4/6/2017	0.0149	
6/14/2017	0.0139	
10/4/2017	0.015	
3/21/2018	0.015	
9/18/2018	0.014	
3/27/2019	0.014	
9/16/2019	0.015 (D)	
3/12/2020	0.014	
9/17/2020	0.014	
3/17/2021	0.014	
8/10/2021	0.014	
2/2/2022		0.013
8/17/2022		0.013
2/21/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.06	
6/18/2015	0.047 (D)	
7/2/2015	0.04	
10/8/2015	0.032	
3/22/2016	0.0263	
5/25/2016	0.0178	
8/2/2016	0.0265	
9/26/2016	0.0267	
11/21/2016	0.0309 (J)	
2/3/2017	0.0289	
4/7/2017	0.029	
6/13/2017	0.027	
10/3/2017	0.0292	
3/20/2018	0.029	
9/18/2018	0.025	
5/6/2019	0.017	
9/16/2019	0.026	
3/16/2020	0.027	
9/17/2020	0.025	
3/18/2021	0.018	
8/10/2021	0.029	
2/2/2022		0.024
8/17/2022		0.017
2/20/2023		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	0.043	
11/1/2007	0.032	
11/19/2007	0.049 (J)	
1/15/2008	0.12 (O)	
3/6/2008	0.075 (O)	
5/13/2008	0.055	
12/12/2008	0.16 (O)	
4/16/2009	0.15 (O)	
10/13/2009	0.05	
4/21/2010	0.039	
9/29/2010	0.033	
4/13/2011	0.033	
10/5/2011	0.035	
4/4/2012	0.0422	
10/8/2012	0.029	
4/8/2013	0.042	
10/9/2013	0.04	
4/9/2014	0.038	
9/30/2014	0.038	
4/2/2015	0.039	
10/10/2015	0.038 (D)	
3/30/2016	0.0412	
5/26/2016	0.0357	
8/5/2016	0.03	
9/28/2016	0.0308	
11/21/2016	0.0356 (J)	
2/6/2017	0.0391	
4/6/2017	0.0402	
6/13/2017	0.0394	
10/3/2017	0.0381	
3/20/2018	0.039	
9/18/2018	0.037	
3/21/2019	0.042	
9/16/2019	0.035	
3/12/2020	0.044	
9/17/2020	0.031	
3/18/2021	0.041	
8/10/2021	0.043	
2/2/2022		0.044
8/17/2022		0.047
2/21/2023		0.042

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.0005	
10/23/2007	<0.0005	
11/18/2007	<0.0005	
1/30/2008	<0.0005	
3/10/2008	<0.0005	
5/13/2008	<0.0005	
12/5/2008	<0.0005	
4/15/2009	<0.0005	
10/7/2009	<0.0005	
5/3/2010	<0.0005	
10/12/2010	<0.0005	
4/27/2011	<0.0005	
10/17/2011	<0.0005	
5/2/2012	<0.0005	
10/8/2012	<0.0005	
4/12/2013	<0.0005	
10/16/2013	<0.0005	
4/11/2014	<0.0005	
9/30/2014	<0.0005	
3/30/2015	<0.0005	
10/13/2015	0.0003 (J)	
3/22/2016	<0.0005	
5/19/2016	<0.0005	
7/29/2016	<0.0005	
9/23/2016	<0.0005	
11/9/2016	<0.0005	
1/30/2017	<0.0005	
3/30/2017	<0.0005	
6/9/2017	<0.0005	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/17/2018	0.00076 (JD)	
3/20/2019	<0.0005	
9/12/2019	<0.0005	
3/11/2020	<0.0005	
9/15/2020	<0.0005	
3/16/2021	<0.0005	
8/9/2021	<0.0005	
2/1/2022		<0.0005
8/16/2022		<0.0005
2/16/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.0005 (D)	
7/27/2016	0.0001 (JD)	
2/21/2017	<0.0005	
3/27/2017	<0.0005 (D)	
6/8/2017	<0.0005 (D)	
7/17/2017	<0.0005 (D)	
7/27/2017	<0.0005	
8/9/2017	<0.0005	
9/29/2017	<0.0005 (D)	
3/16/2018	<0.0005	
9/14/2018	<0.0005	
3/14/2019	<0.0005	
3/9/2020	<0.0005	
9/16/2020	<0.0005	
3/16/2021	<0.0005	
8/6/2021	<0.0005	
2/2/2022		<0.0005
8/16/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.000188 (J)	
5/11/2016	0.000177 (J)	
7/19/2016	0.0001 (J)	
9/15/2016	8E-05 (J)	
11/2/2016	<0.0005	
1/18/2017	<0.0005	
3/28/2017	<0.0005	
6/7/2017	<0.0005	
9/26/2017	<0.0005	
3/14/2018	<0.0005	
9/12/2018	<0.0005	
3/15/2019	<0.0005	
9/9/2019	<0.0005	
3/9/2020	<0.0005	
9/10/2020	<0.0005	
3/12/2021	<0.0005	
8/4/2021	<0.0005	
1/31/2022		<0.0005
8/10/2022		<0.0005
2/13/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.000121 (J)	
5/16/2016	0.000145 (J)	
7/22/2016	<0.0005	
9/19/2016	0.0001 (J)	
11/3/2016	8E-05 (J)	
1/17/2017	0.0001 (J)	
3/27/2017	0.0002 (J)	
6/7/2017	0.0001 (J)	
9/26/2017	<0.0005	
3/14/2018	0.00011 (J)	
9/14/2018	0.00013 (J)	
3/14/2019	0.00013 (J)	
9/10/2019	0.00014 (J)	
3/6/2020	0.00014 (J)	
9/10/2020	0.00015 (J)	
3/11/2021	0.00017 (J)	
8/4/2021	0.00014 (J)	
1/31/2022		0.00018 (J)
8/10/2022		0.00034 (J)
2/13/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.0005	
5/13/2016	<0.0005	
7/19/2016	<0.0005	
9/16/2016	<0.0005	
11/2/2016	<0.0005	
1/18/2017	<0.0005	
3/28/2017	<0.0005	
6/6/2017	8E-05 (J)	
9/22/2017	<0.0005	
3/14/2018	<0.0005	
9/12/2018	<0.0005	
3/13/2019	<0.0005	
9/11/2019	<0.0005	
3/9/2020	<0.0005	
9/11/2020	<0.0005	
3/11/2021	<0.0005	
8/6/2021	<0.0005	
1/31/2022		<0.0005
8/11/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.0005	
4/23/2009	<0.0005	
10/6/2009	<0.0005	
4/27/2010	<0.0005	
9/30/2010	<0.0005	
4/14/2011	<0.0005	
10/5/2011	<0.0005	
4/11/2012	<0.0005	
10/2/2012	<0.0005	
4/9/2013	<0.0005	
10/15/2013	<0.0005	
4/10/2014	<0.0005	
10/1/2014	<0.0005	
3/30/2015	<0.0005	
10/11/2015	0.00026 (J)	
3/28/2016	<0.0005	
5/23/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/10/2016	<0.0005	
1/30/2017	<0.0005	
4/7/2017	<0.0005	
6/12/2017	<0.0005	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/17/2018	<0.0005	
3/19/2019	<0.0005	
9/13/2019	<0.0005	
3/11/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	0.00012 (J)	
8/9/2021	<0.0005	
2/1/2022		<0.0005
8/16/2022		<0.0005
2/16/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/20/2007	<0.0005	
1/30/2008	<0.0005	
3/6/2008	<0.0005	
5/12/2008	<0.0005	
12/13/2008	<0.0005	
4/29/2009	<0.0005	
10/20/2009	<0.0005	
4/26/2010	<0.0005	
9/29/2010	<0.0005	
4/13/2011	<0.0005	
10/5/2011	<0.0005	
4/4/2012	<0.0005	
10/3/2012	<0.0005	
4/3/2013	<0.0005	
10/15/2013	<0.0005	
4/9/2014	<0.0005	
10/2/2014	<0.0005	
4/2/2015	<0.0005	
10/10/2015	<0.0005	
3/31/2016	<0.0005	
5/26/2016	<0.0005	
8/5/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/7/2017	<0.0005	
4/10/2017	<0.0005	
6/14/2017	<0.0005	
10/4/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
3/22/2019	<0.0005	
9/17/2019	<0.0005	
3/12/2020	<0.0005	
9/17/2020	<0.0005	
3/18/2021	<0.0005	
8/10/2021	<0.0005	
2/4/2022		<0.0005
8/17/2022		0.00018 (J)
2/20/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/20/2007	<0.0005	
1/30/2008	<0.0005	
3/6/2008	<0.0005	
5/8/2008	<0.0005	
12/14/2008	<0.0005	
4/29/2009	<0.0005	
10/21/2009	<0.0005	
4/21/2010	<0.0005	
9/28/2010	<0.0005	
4/12/2011	<0.0005	
10/4/2011	<0.0005	
4/3/2012	<0.0005	
10/8/2012	<0.0005	
4/3/2013	<0.0005	
10/15/2013	<0.0005	
4/9/2014	<0.0005	
10/2/2014	<0.0005	
4/2/2015	<0.0005	
10/12/2015	<0.0005	
3/31/2016	<0.0005	
5/26/2016	<0.0005	
8/3/2016	<0.0005	
9/28/2016	0.0002 (J)	
11/22/2016	<0.0005	
2/7/2017	<0.0005	
4/10/2017	<0.0005	
6/14/2017	<0.0005	
10/4/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/22/2019	<0.0005	
9/17/2019	<0.0005	
3/12/2020	<0.0005	
9/17/2020	<0.0005	
3/18/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/18/2022		<0.0005
2/20/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/18/2007	<0.0005	
1/30/2008	<0.0005	
3/6/2008	<0.0005	
5/7/2008	<0.0005	
12/14/2008	<0.0005	
4/29/2009	<0.0005	
10/22/2009	<0.0005	
4/21/2010	<0.0005	
9/29/2010	<0.0005	
4/13/2011	<0.0005	
10/4/2011	<0.0005	
4/4/2012	<0.0005	
10/3/2012	<0.0005	
4/3/2013	<0.0005	
10/9/2013	<0.0005	
4/2/2014	<0.0005	
10/2/2014	<0.0005	
4/1/2015	0.00033 (J)	
10/11/2015	0.00056 (J)	
4/4/2016	<0.0005	
5/26/2016	<0.0005	
8/4/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/8/2017	<0.0005	
4/10/2017	<0.0005	
6/15/2017	<0.0005	
10/4/2017	<0.0005	
3/22/2018	<0.0005	
9/18/2018	<0.0005	
3/23/2019	<0.0005	
9/17/2019	<0.0005	
3/12/2020	<0.0005	
9/21/2020	<0.0005	
3/19/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/18/2022		<0.0005
2/20/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/16/2008	<0.001	
3/5/2008	<0.001	
5/13/2008	<0.001	
12/13/2008	<0.001	
4/16/2009	<0.001	
10/21/2009	<0.001	
4/27/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/12/2011	<0.001	
4/24/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/9/2013	<0.001	
4/1/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/14/2015	0.00025 (J)	
4/4/2016	0.000136 (J)	
5/27/2016	0.000131 (J)	
8/3/2016	<0.001	
9/30/2016	9E-05 (J)	
11/22/2016	<0.001	
2/13/2017	0.0001 (J)	
4/11/2017	0.0003 (J)	
6/14/2017	0.0003 (J)	
10/4/2017	0.0002 (J)	
3/22/2018	0.00032 (J)	
9/18/2018	0.00057 (J)	
3/23/2019	0.00035 (J)	
9/17/2019	0.000575 (JD)	
3/12/2020	0.00089 (J)	
9/21/2020	0.00025 (J)	
3/19/2021	0.00027 (J)	
8/11/2021	0.00048 (J)	
2/2/2022		0.0012
4/28/2022		0.00067
8/18/2022		0.00052
2/21/2023		0.0004 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.0005	
11/2/2007	<0.0005	
11/17/2007	<0.0005	
1/15/2008	<0.0005	
3/5/2008	<0.0005	
5/7/2008	<0.0005	
12/2/2008	<0.0005	
4/16/2009	<0.0005	
10/20/2009	<0.0005	
4/20/2010	<0.0005	
9/29/2010	<0.0005	
4/12/2011	<0.0005	
10/4/2011	<0.0005	
4/4/2012	<0.0005	
10/10/2012	<0.0005	
4/15/2013	<0.0005	
10/22/2013	<0.0005	
4/21/2014	<0.0005	
9/30/2014	<0.0005	
4/3/2015	<0.0005	
10/7/2015	<0.0005	
4/5/2016	<0.0005	
6/1/2016	<0.0005	
8/9/2016	<0.0005	
11/28/2016	<0.0005	
2/9/2017	0.0001 (J)	
4/11/2017	<0.0005	
6/14/2017	<0.0005	
7/12/2017	<0.0005	
10/5/2017	<0.0005	
3/22/2018	<0.0005	
9/19/2018	<0.0005	
3/22/2019	<0.0005	
9/17/2019	<0.0005	
3/13/2020	<0.0005	
9/21/2020	<0.0005	
3/18/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/18/2022		<0.0005
2/22/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.0005	
11/2/2007	<0.0005	
11/17/2007	<0.0005	
1/15/2008	<0.0005	
3/6/2008	<0.0005	
5/7/2008	<0.0005	
12/2/2008	<0.0005	
4/28/2009	<0.0005	
10/19/2009	<0.0005	
4/27/2010	<0.0005	
10/4/2010	<0.0005	
4/18/2011	<0.0005	
10/12/2011	<0.0005	
4/23/2012	<0.0005	
10/10/2012	<0.0005	
4/15/2013	<0.0005	
10/22/2013	<0.0005	
4/21/2014	<0.0005	
9/30/2014	<0.0005	
4/3/2015	<0.0005	
10/7/2015	0.00028 (J)	
4/5/2016	0.000194 (J)	
5/31/2016	0.000206 (J)	
8/4/2016	<0.0005	
9/29/2016	0.0002 (J)	
11/23/2016	0.0001 (J)	
2/10/2017	<0.0005	
4/12/2017	<0.0005	
6/15/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/19/2018	<0.0005	
3/25/2019	<0.0005	
9/17/2019	<0.0005	
3/13/2020	<0.0005	
9/21/2020	<0.0005	
3/18/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/19/2022		<0.0005
2/22/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.0005	
5/16/2016	<0.0005	
7/25/2016	<0.0005	
9/19/2016	<0.0005	
11/3/2016	<0.0005	
1/19/2017	<0.0005	
3/28/2017	<0.0005	
6/5/2017	8E-05 (J)	
9/26/2017	<0.0005	
3/15/2018	<0.0005	
9/12/2018	<0.0005	
3/14/2019	<0.0005	
9/11/2019	<0.0005	
3/10/2020	<0.0005	
9/15/2020	<0.0005	
3/11/2021	<0.0005	
8/4/2021	<0.0005	
1/31/2022		<0.0005
8/15/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.000113 (J)	
5/16/2016	<0.0005 (D)	
7/25/2016	<0.0005 (D)	
9/19/2016	<0.0005 (D)	
11/3/2016	<0.0005 (D)	
1/20/2017	<0.0005 (D)	
3/29/2017	<0.0005 (D)	
6/7/2017	<0.0005	
9/27/2017	<0.0005	
3/15/2018	<0.0005	
9/13/2018	<0.0005	
3/14/2019	<0.0005 (D)	
9/11/2019	<0.0005 (D)	
3/10/2020	<0.0005	
9/11/2020	<0.0005	
3/11/2021	<0.0005	
8/6/2021	<0.0005	
2/1/2022		<0.0005
8/12/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.0005	
5/18/2016	<0.0005	
7/27/2016	<0.0005	
9/20/2016	8E-05 (J)	
11/7/2016	<0.0005	
1/23/2017	<0.0005	
3/29/2017	<0.0005	
6/8/2017	<0.0005	
9/27/2017	<0.0005	
3/15/2018	9.3E-05 (J)	
9/13/2018	<0.0005	
3/15/2019	0.00015 (J)	
9/12/2019	<0.0005	
3/9/2020	0.00015 (J)	
9/14/2020	0.00014 (J)	
3/11/2021	0.00018 (J)	
8/5/2021	<0.0005	
2/1/2022		0.00014 (J)
8/15/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.0005	
5/18/2016	<0.0005	
7/27/2016	<0.0005	
9/20/2016	<0.0005	
11/4/2016	<0.0005	
1/20/2017	<0.0005	
3/29/2017	<0.0005	
6/8/2017	<0.0005	
9/27/2017	<0.0005	
3/16/2018	<0.0005	
9/13/2018	<0.0005	
3/19/2019	<0.0005	
9/11/2019	<0.0005	
3/9/2020	<0.0005	
9/15/2020	<0.0005	
3/11/2021	<0.0005	
8/5/2021	<0.0005	
2/1/2022		<0.0005
8/15/2022		0.00016 (J)
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.000148 (J)	
5/17/2016	0.000251 (J)	
7/27/2016	0.0002 (J)	
9/20/2016	0.0002 (J)	
11/4/2016	0.0001 (J)	
1/23/2017	<0.001	
3/28/2017	0.0001 (J)	
6/8/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.00018 (J)	
9/13/2018	0.00012 (J)	
3/15/2019	0.00018 (J)	
9/11/2019	0.00021 (JD)	
3/9/2020	0.00016 (J)	
9/14/2020	0.00019 (J)	
3/11/2021	0.00021 (J)	
8/4/2021	0.0002 (J)	
1/31/2022		0.0002 (J)
8/15/2022		0.00022 (J)
2/14/2023		0.00015 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.0005	
5/18/2016	<0.0005	
7/28/2016	<0.0005	
9/21/2016	9E-05 (J)	
11/7/2016	0.0001 (J)	
1/24/2017	0.0002 (J)	
3/30/2017	0.0002 (J)	
6/9/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.0001 (J)	
9/14/2018	<0.0005	
3/19/2019	<0.0005	
9/11/2019	<0.0005	
3/9/2020	<0.0005	
9/14/2020	<0.0005	
3/15/2021	<0.0005	
8/5/2021	<0.0005	
2/1/2022		<0.0005
8/15/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.0005	
10/25/2007	<0.0005	
11/19/2007	<0.0005	
1/23/2008	<0.0005	
3/11/2008	<0.0005	
5/12/2008	<0.0005	
12/11/2008	<0.0005	
4/15/2009	<0.0005	
10/9/2009	<0.0005	
5/4/2010	<0.0005	
10/12/2010	<0.0005	
4/28/2011	<0.0005	
10/19/2011	<0.0005	
5/2/2012	<0.0005	
10/9/2012	<0.0005	
4/11/2013	<0.0005	
10/16/2013	<0.0005	
4/23/2014	<0.0005	
10/3/2014	0.00033 (J)	
3/31/2015	<0.0005	
10/12/2015	<0.0005	
3/28/2016	0.000102 (J)	
5/25/2016	0.000148 (J)	
8/1/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/11/2016	9E-05 (J)	
1/31/2017	<0.0005	
4/3/2017	0.0001 (J)	
6/12/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/20/2019	<0.0005	
9/16/2019	<0.0005	
3/16/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	0.00013 (J)	
8/9/2021	<0.0005	
2/2/2022		<0.0005
8/16/2022		<0.0005
2/20/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.0005	
10/25/2007	<0.0005	
11/20/2007	<0.0005	
1/23/2008	<0.0005	
3/11/2008	<0.0005	
5/14/2008	<0.0005	
12/11/2008	<0.0005	
4/23/2009	<0.0005	
10/9/2009	<0.0005	
5/4/2010	<0.0005	
10/11/2010	<0.0005	
4/26/2011	<0.0005	
10/18/2011	<0.0005	
5/2/2012	<0.0005	
10/8/2012	<0.0005	
4/10/2013	<0.0005	
10/8/2013	<0.0005	
4/14/2014	<0.0005	
10/3/2014	<0.0005	
4/1/2015	<0.0005	
10/9/2015	<0.0005	
3/29/2016	<0.0005	
5/24/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	8E-05 (J)	
11/18/2016	8E-05 (J)	
2/1/2017	<0.0005	
4/6/2017	<0.0005	
6/13/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/21/2019	<0.0005	
9/16/2019	<0.0005	
3/12/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	<0.0005	
8/10/2021	<0.0005	
2/2/2022		<0.0005
8/17/2022		<0.0005
2/17/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.0005	
8/2/2016	<0.0005	
9/27/2016	<0.0005	
11/21/2016	<0.0005	
2/1/2017	9E-05 (J)	
4/6/2017	<0.0005	
6/13/2017	<0.0005	
7/14/2017	<0.0005	
10/3/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
3/21/2019	<0.0005	
9/13/2019	<0.0005	
3/12/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	<0.0005	
8/10/2021	<0.0005	
2/2/2022		<0.0005
8/17/2022		<0.0005
2/20/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.0005	
6/18/2015	<0.0005 (D)	
7/2/2015	<0.0005	
10/8/2015	<0.0005	
3/22/2016	<0.0005	
5/25/2016	<0.0005	
8/2/2016	<0.0005	
9/26/2016	<0.0005	
11/21/2016	<0.0005	
2/3/2017	0.0001 (J)	
4/7/2017	<0.0005	
6/13/2017	0.0002 (J)	
10/3/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
5/6/2019	<0.0005	
9/16/2019	<0.0005	
3/16/2020	<0.0005	
9/17/2020	<0.0005	
3/18/2021	<0.0005	
8/10/2021	<0.0005	
2/2/2022		<0.0005
8/17/2022		<0.0005
2/20/2023		<0.0005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	0.011	
11/18/2007	0.038 (O)	
1/30/2008	0.11 (O)	
3/10/2008	0.038 (O)	
5/13/2008	0.012	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0065	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	0.0019	
10/16/2013	0.0024	
4/11/2014	0.0013 (J)	
9/30/2014	<0.005	
3/30/2015	0.0047	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	0.0011 (J)	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	0.0012 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	0.0045	
10/24/2007	0.039 (O)	
11/18/2007	0.059 (O)	
1/31/2008	0.0067	
3/11/2008	0.03 (O)	
5/6/2008	0.0062	
12/4/2008	0.009	
4/21/2009	0.0022	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	0.0013	
10/15/2013	0.0023	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0011 (J)	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	0.0008 (J)	
10/2/2017	<0.005	
3/19/2018	0.0031 (J)	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	0.0025 (J)	
9/15/2020	0.00086 (J)	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	0.0033	
11/18/2007	0.012	
1/31/2008	0.052 (O)	
3/10/2008	0.01	
5/13/2008	0.0068	
12/4/2008	0.0017	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	0.0042 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0017 (JD)	
2/21/2017	0.001 (J)	
3/27/2017	<0.005 (D)	
6/8/2017	<0.005 (D)	
7/17/2017	<0.005 (D)	
7/27/2017	0.0005 (J)	
8/9/2017	0.0005 (J)	
9/29/2017	0.0006 (JD)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	0.004 (J)	
3/9/2020	0.0016 (J)	
9/16/2020	0.00058 (J)	
3/16/2021	0.0008 (J)	
8/6/2021	<0.005	
2/2/2022		0.0012 (J)
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.069 (o)	
9/10/2020	<0.005	
3/12/2021	0.00064 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.005	
11/2/2007	0.027 (O)	
11/18/2007	0.17 (O)	
1/31/2008	0.012	
3/11/2008	0.063 (O)	
5/14/2008	0.057 (O)	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/8/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/21/2011	<0.005	
10/13/2011	<0.005	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	0.0013	
4/23/2014	<0.005	
10/4/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	0.0013 (J)	
11/10/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/4/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/13/2019	0.00073 (J)	
3/11/2020	0.00095 (J)	
3/29/2021	0.00062 (J)	
8/9/2021	<0.005	
2/2/2022		0.0069
8/16/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005 (*)	
5/24/2017	0.0008 (J)	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.0009 (J)	
9/11/2020	<0.005	
3/10/2021	0.00075 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/12/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/18/2017	<0.005	
3/24/2017	<0.005 (*)	
6/6/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005 (D)	
3/6/2020	0.015	
9/10/2020	<0.005	
3/11/2021	0.0015 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	<0.005	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/6/2017	0.0004 (J)	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/9/2020	0.0004 (J)	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/6/2020	0.00045 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
6/6/2017	0.0004 (J)	
9/22/2017	0.0008 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00051 (J)	
3/9/2020	0.0033 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/14/2023		0.0016 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00212 (J)	
5/13/2016	<0.005	
7/19/2016	0.0006 (J)	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	0.0014 (J)	
3/28/2017	<0.005 (*)	
6/6/2017	0.0009 (J)	
9/22/2017	0.0006 (J)	
3/15/2018	0.0017 (J)	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00066 (J)	
3/9/2020	0.0014 (J)	
9/14/2020	0.0011 (J)	
3/11/2021	0.0011 (J)	
8/5/2021	<0.005	
1/31/2022		0.0011 (J)
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	0.0014	
4/14/2011	0.0014	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	0.0013 (J)	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/23/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/10/2016	<0.005	
1/30/2017	<0.005	
4/7/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	0.0011 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.005	
4/23/2009	0.0031	
10/6/2009	0.0024	
5/3/2010	<0.005	
10/11/2010	0.0028	
4/27/2011	0.0041	
10/19/2011	<0.005	
5/1/2012	<0.005	
10/2/2012	0.0019	
4/10/2013	0.0027	
10/16/2013	0.0029	
4/22/2014	0.0024	
10/1/2014	<0.005	
3/30/2015	0.0022	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/11/2016	<0.005	
1/30/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0005 (J)	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/18/2018	<0.005	
3/19/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.0015	
11/1/2007	0.011	
11/20/2007	0.042 (o)	
1/30/2008	0.034	
3/6/2008	0.027	
5/12/2008	0.015	
12/13/2008	0.0036	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	0.0034	
4/13/2011	<0.005	
10/5/2011	0.0032	
4/4/2012	<0.005	
10/3/2012	0.0047	
4/3/2013	0.0014	
10/15/2013	0.002	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.0013	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	0.0024 (J)	
2/7/2017	0.0015 (J)	
4/10/2017	<0.005	
6/14/2017	0.0006 (J)	
10/4/2017	0.0027 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.0009 (J)	
3/12/2020	0.00047 (J)	
9/17/2020	0.0011 (J)	
3/18/2021	0.00068 (J)	
8/10/2021	<0.005	
2/4/2022		<0.005
8/17/2022		0.0013 (J)
2/20/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.036 (O)	
11/1/2007	0.01	
11/20/2007	0.0039	
1/30/2008	0.019 (O)	
3/6/2008	<0.005	
5/8/2008	0.01	
12/14/2008	0.0038	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	0.0019	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	0.0019 (J)	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00067 (J)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	0.002 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	0.025 (o)	
12/14/2008	0.0021	
4/29/2009	0.011	
10/22/2009	0.01	
4/21/2010	0.0053	
9/28/2010	0.0076	
4/12/2011	0.0095	
10/4/2011	0.0091	
4/3/2012	0.0076	
10/3/2012	0.0039	
4/3/2013	<0.005	
10/9/2013	0.0089	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	0.0062	
10/11/2015	<0.005	
4/4/2016	0.00656 (J)	
5/26/2016	0.00752 (J)	
8/3/2016	0.0067 (J)	
9/28/2016	0.0082 (J)	
11/22/2016	0.0045 (J)	
2/8/2017	0.0101	
4/10/2017	0.0094 (J)	
6/15/2017	0.009 (J)	
10/4/2017	0.0008 (J)	
3/21/2018	0.0079 (J)	
9/18/2018	0.0081 (J)	
3/23/2019	<0.005	
9/17/2019	0.0079 (J)	
3/12/2020	0.00084 (J)	
9/21/2020	0.0081 (J)	
3/19/2021	0.0073	
8/11/2021	<0.005	
2/4/2022		0.0071
8/18/2022		<0.005
2/20/2023		0.0015 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	0.037	
11/1/2007	0.04	
11/18/2007	0.045	
1/30/2008	0.041	
3/6/2008	0.042	
5/7/2008	0.029	
12/14/2008	0.032	
4/29/2009	0.017	
10/22/2009	0.022	
4/21/2010	0.021	
9/29/2010	0.024	
4/13/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.014	
10/3/2012	0.0033	
4/3/2013	0.017	
10/9/2013	0.015	
4/2/2014	0.014	
10/2/2014	0.0048	
4/1/2015	0.0084	
10/11/2015	0.019	
4/4/2016	0.00728 (J)	
5/26/2016	0.00553 (J)	
8/4/2016	0.0071 (J)	
9/28/2016	0.0093 (J)	
11/22/2016	0.0058 (J)	
2/8/2017	0.0072 (J)	
4/10/2017	<0.01	
6/15/2017	0.0066 (J)	
10/4/2017	0.0079 (J)	
3/22/2018	0.0062 (J)	
9/18/2018	0.0062 (J)	
3/23/2019	0.0048 (J)	
9/17/2019	0.0042 (J)	
3/12/2020	0.0042 (J)	
9/21/2020	0.0056 (J)	
3/19/2021	0.0079	
8/11/2021	0.0042 (J)	
2/4/2022		0.0042 (J)
8/18/2022		0.0046 (J)
2/20/2023		0.0037 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	0.0013	
11/1/2007	<0.005	
11/19/2007	0.0056	
1/16/2008	0.039 (o)	
3/5/2008	0.03	
5/13/2008	0.0057	
12/13/2008	<0.005	
4/16/2009	<0.005	
10/21/2009	0.0015	
4/27/2010	0.0036	
10/5/2010	<0.005	
4/19/2011	0.003	
10/12/2011	<0.005	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	0.0018	
10/9/2013	<0.005	
4/1/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
5/27/2016	<0.005	
8/3/2016	<0.005	
9/30/2016	<0.005	
11/22/2016	<0.005	
2/13/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	0.0058 (JD)	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/2/2022		<0.005
8/18/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.0019	
11/1/2007	0.01	
11/19/2007	0.021	
1/31/2008	0.035	
3/5/2008	0.012	
5/12/2008	0.02	
12/13/2008	0.014	
4/28/2009	0.0079	
10/21/2009	0.0092	
4/28/2010	0.0086	
10/5/2010	0.0085	
4/19/2011	0.0089	
10/18/2011	0.0093	
4/25/2012	0.0075	
10/2/2012	0.017	
4/2/2013	0.0097	
10/8/2013	0.011	
4/1/2014	0.0074	
10/1/2014	0.0049	
4/1/2015	0.0072	
10/15/2015	0.0077	
4/4/2016	0.00615 (J)	
5/31/2016	0.00588 (J)	
8/4/2016	0.0056 (J)	
9/29/2016	0.0065 (J)	
11/28/2016	0.0064 (J)	
2/9/2017	0.0078 (J)	
4/12/2017	0.0077 (J)	
6/16/2017	0.0072 (J)	
10/9/2017	0.0079 (J)	
3/21/2018	0.0055 (J)	
9/19/2018	0.0059 (J)	
3/23/2019	0.0058 (J)	
9/18/2019	0.0063 (J)	
3/13/2020	0.0054 (J)	
9/22/2020	0.0062 (J)	
3/18/2021	0.0058	
8/11/2021	0.0074	
2/17/2022		0.0053
8/18/2022		0.0044 (J)
2/22/2023		0.0038 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	0.0042	
11/19/2007	0.0049	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.019 (O)	
4/29/2009	0.002	
10/21/2009	0.002	
4/28/2010	0.0049	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	0.0015	
4/2/2013	0.0017	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005 (D)	
2/22/2017	0.0012 (J)	
4/11/2017	<0.005	
6/16/2017	<0.005	
7/12/2017	<0.005	
7/28/2017	<0.005	
8/10/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	0.002 (J)	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		0.0024 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.083 (O)	
11/2/2007	0.0071	
11/17/2007	0.012	
1/15/2008	0.043 (o)	
3/5/2008	0.0044	
5/7/2008	0.0084	
12/2/2008	0.0056	
4/16/2009	0.0042	
10/20/2009	0.0037	
4/20/2010	<0.005	
9/29/2010	0.0028	
4/12/2011	<0.005	
10/4/2011	0.0015	
4/4/2012	<0.005	
10/10/2012	0.0029	
4/15/2013	0.0036	
10/22/2013	0.0048	
4/21/2014	0.0043	
9/30/2014	0.0037	
4/3/2015	0.016	
10/7/2015	0.0092	
4/5/2016	0.00605 (J)	
6/1/2016	0.006 (J)	
8/9/2016	0.0086 (JD)	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	0.0006 (J)	
7/12/2017	0.0005 (J)	
10/5/2017	0.0006 (J)	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00046 (X)	
3/13/2020	0.00093 (J)	
9/21/2020	<0.005	
3/18/2021	0.0023 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.014	
11/2/2007	0.0036	
11/17/2007	0.031 (O)	
1/15/2008	0.011	
3/6/2008	0.0027	
5/7/2008	0.008	
12/2/2008	0.0059	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	0.0013	
4/18/2011	<0.005	
10/12/2011	0.0014	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	0.0021	
10/22/2013	<0.005	
4/21/2014	0.0013 (J)	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	<0.005	
6/15/2017	0.0005 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	0.00044 (J)	
3/13/2020	0.0011 (J)	
9/21/2020	0.0016 (J)	
3/18/2021	0.00089 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.061 (O)	
11/2/2007	0.078 (O)	
11/18/2007	0.085 (O)	
1/15/2008	0.079 (O)	
3/10/2008	0.062 (O)	
5/13/2008	0.044 (O)	
12/2/2008	0.027	
4/28/2009	0.016	
10/20/2009	0.018	
4/27/2010	0.012	
10/5/2010	0.0067	
4/19/2011	0.0081	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	0.0029	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	<0.005	
6/15/2017	0.0005 (J)	
7/12/2017	0.0008 (J)	
7/26/2017	0.0006 (J)	
10/6/2017	0.0008 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00064 (X)	
3/13/2020	0.0012 (J)	
9/21/2020	0.00089 (J)	
3/18/2021	0.00078 (J)	
8/11/2021	<0.005	
2/7/2022		0.0011 (J)
8/19/2022		<0.005
2/22/2023		0.0014 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	<0.005	
6/5/2017	<0.005	
9/26/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	0.00074 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		0.0015 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/4/2016	<0.005 (D)	
1/23/2017	<0.005 (D)	
3/29/2017	<0.005 (D)	
6/7/2017	<0.005	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	0.0007 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/3/2016	<0.005 (D)	
1/20/2017	<0.005 (D)	
3/29/2017	<0.005 (D)	
6/7/2017	0.0004 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	0.00092 (J)	
9/11/2020	0.00067 (J)	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		0.0058

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.01	
5/17/2016	<0.01	
7/26/2016	0.0017 (J)	
9/20/2016	0.0015 (J)	
11/4/2016	0.0016 (J)	
1/20/2017	0.0018 (J)	
3/28/2017	<0.01 (*)	
6/7/2017	0.0018 (J)	
9/29/2017	0.0033 (J)	
3/15/2018	0.0021 (J)	
9/13/2018	0.0041 (J)	
3/18/2019	0.0022 (J)	
9/11/2019	0.0038 (J)	
3/10/2020	0.0035 (J)	
9/14/2020	0.006 (J)	
3/11/2021	0.0059	
5/26/2021	0.0052	
8/5/2021	0.0057	
1/31/2022		0.0051
8/15/2022		0.006
2/14/2023		0.005 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.00202 (J)	
5/18/2016	0.00248 (J)	
7/27/2016	0.0021 (J)	
9/20/2016	0.002 (J)	
11/7/2016	0.0023 (J)	
1/23/2017	0.0011 (J)	
3/29/2017	0.0012 (J)	
6/8/2017	0.0015 (J)	
9/27/2017	0.0021 (J)	
3/15/2018	0.0023 (J)	
9/13/2018	<0.01	
3/15/2019	<0.01	
9/12/2019	0.0014 (J)	
3/9/2020	0.0012 (J)	
9/14/2020	0.0022 (J)	
3/11/2021	0.0013 (J)	
8/5/2021	0.0014 (J)	
2/1/2022		0.0015 (J)
8/15/2022		0.0015 (J)
2/14/2023		0.0018 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.00668 (J)	
5/18/2016	0.00606 (JO)	
7/27/2016	0.0023 (J)	
9/20/2016	0.0021 (J)	
11/4/2016	0.0016 (J)	
1/20/2017	0.0016 (J)	
3/29/2017	0.001 (J)	
6/8/2017	0.0024 (J)	
9/27/2017	0.0021 (J)	
3/16/2018	0.003 (J)	
9/13/2018	0.0017 (J)	
3/19/2019	0.018	
9/11/2019	0.0015 (J)	
3/9/2020	0.0023 (J)	
9/15/2020	0.0017 (J)	
3/11/2021	0.0019 (J)	
8/5/2021	0.0022 (J)	
2/1/2022		0.0022 (J)
8/15/2022		0.0013 (J)
2/14/2023		0.0027 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00207 (J)	
5/17/2016	<0.01	
7/27/2016	0.0017 (J)	
9/20/2016	0.0024 (J)	
11/4/2016	0.0013 (J)	
1/23/2017	<0.01	
3/28/2017	<0.01 (*)	
6/8/2017	0.0016 (J)	
9/29/2017	0.002 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019	0.0023 (J)	
9/11/2019	0.00165 (JD)	
3/9/2020	0.0023 (J)	
9/14/2020	0.0024 (J)	
3/11/2021	0.0021 (J)	
8/4/2021	0.0018 (J)	
1/31/2022		0.002 (J)
8/15/2022		0.0019 (J)
2/14/2023		0.0019 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	0.0006 (J)	
9/21/2016	0.0011 (J)	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	0.0004 (J)	
6/8/2017	0.0005 (J)	
9/29/2017	0.0005 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	0.00063 (J)	
3/11/2020	0.0012 (J)	
9/11/2020	<0.005	
3/15/2021	0.00076 (J)	
8/11/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.00778 (J)	
5/18/2016	<0.005	
7/28/2016	0.0014 (J)	
9/21/2016	0.0009 (J)	
11/7/2016	<0.005	
1/24/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	0.0017 (J)	
9/11/2019	0.002 (J)	
3/9/2020	0.00096 (J)	
9/14/2020	<0.005	
3/15/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0076	
10/25/2007	0.015	
11/19/2007	0.013	
1/23/2008	0.032	
3/11/2008	0.024	
5/12/2008	0.016	
12/11/2008	0.013	
4/15/2009	0.0073	
10/9/2009	0.0037	
5/4/2010	<0.005	
10/12/2010	0.0023	
4/28/2011	0.002	
10/19/2011	0.0015	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	0.0015	
10/16/2013	<0.005	
4/23/2014	0.0013 (J)	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0005 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.00078 (J)	
9/16/2020	<0.005	
3/17/2021	0.00069 (J)	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	0.002	
11/20/2007	0.017	
1/23/2008	0.064 (O)	
3/11/2008	0.013	
5/14/2008	0.027	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	0.0014	
5/4/2010	<0.01	
10/11/2010	0.0027	
4/26/2011	0.0015	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	0.0013	
10/8/2013	0.0017	
4/14/2014	0.004	
10/3/2014	0.0017	
4/1/2015	0.0027	
10/9/2015	0.0016	
3/29/2016	0.00363 (J)	
5/24/2016	0.00263 (J)	
8/1/2016	<0.01	
9/26/2016	0.0014 (J)	
11/18/2016	<0.01	
2/1/2017	0.0024 (J)	
4/6/2017	<0.01	
6/13/2017	0.0031 (J)	
10/3/2017	0.0025 (J)	
3/19/2018	0.0035 (J)	
9/17/2018	0.0024 (J)	
3/21/2019	0.0029 (J)	
9/16/2019	0.002 (J)	
3/12/2020	0.0034 (J)	
9/16/2020	0.0022 (J)	
3/17/2021	0.0027 (J)	
8/10/2021	0.0027 (J)	
2/2/2022		0.0026 (J)
8/17/2022		0.0025 (J)
2/17/2023		0.0031 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	0.0015	
6/18/2015	0.0013 (D)	
7/2/2015	0.0014	
10/9/2015	0.0015	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	0.002 (J)	
11/14/2016	<0.01	
2/1/2017	0.0017 (J)	
4/6/2017	<0.01	
6/13/2017	0.0015 (J)	
10/3/2017	0.0018 (J)	
3/20/2018	0.0017 (J)	
9/17/2018	0.002 (J)	
3/21/2019	0.0025 (J)	
9/16/2019	0.002 (J)	
3/12/2020	0.0028 (J)	
9/16/2020	0.0023 (J)	
3/17/2021	0.0021 (J)	
8/10/2021	0.0021 (J)	
2/2/2022		0.0024 (J)
8/17/2022		0.0024 (J)
2/17/2023		0.0022 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/21/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
7/14/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005	
9/13/2019	<0.005	
3/12/2020	0.0014 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		0.0012 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0019	
4/10/2014	0.0034	
10/2/2014	0.0056	
4/3/2015	0.0022	
10/8/2015	0.0033	
3/30/2016	0.00308 (J)	
5/24/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/22/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/14/2017	0.0009 (J)	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019	0.0021 (J)	
9/16/2019	0.000465 (JD)	
3/12/2020	0.0031 (J)	
9/17/2020	0.00086 (J)	
3/17/2021	0.00079 (J)	
8/10/2021	0.0014 (J)	
2/2/2022		0.0015 (J)
8/17/2022		0.0011 (J)
2/21/2023		0.0053

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	0.0024 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	0.00302 (J)	
5/25/2016	0.00441 (J)	
8/2/2016	<0.005	
9/26/2016	0.002 (J)	
11/21/2016	0.0017 (J)	
2/3/2017	0.0018 (J)	
4/7/2017	<0.005	
6/13/2017	0.0019 (J)	
10/3/2017	0.0022 (J)	
3/20/2018	0.0017 (J)	
9/18/2018	<0.005	
5/6/2019	0.0048 (J)	
9/16/2019	0.002 (J)	
3/16/2020	0.0015 (J)	
9/17/2020	0.0017 (J)	
3/18/2021	0.0015 (J)	
8/10/2021	0.0019 (J)	
2/2/2022		0.0021 (J)
8/17/2022		0.0014 (J)
2/20/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	0.0061	
11/19/2007	0.018 (J)	
1/15/2008	0.078 (O)	
3/6/2008	0.054 (O)	
5/13/2008	0.0085	
12/12/2008	0.0023	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	0.0013	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.00115 (JD)	
3/30/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	0.00045 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	0.0045	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0041	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0012 (J)	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0004 (J)	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	0.00078 (J)	
9/12/2019	0.00047 (J)	
3/11/2020	0.00037 (J)	
9/15/2020	0.00048 (J)	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	0.013	
11/18/2007	0.0041	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	0.012	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	0.0083 (O)	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	0.001 (J)	
3/16/2021	<0.005	
8/9/2021	0.0016 (J)	
2/1/2022		0.00093 (J)
8/16/2022		0.0004 (J)
2/16/2023		0.00065 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.00313 (JD)	
7/27/2016	0.0057 (JD)	
2/21/2017	<0.005	
3/27/2017	<0.005 (D)	
6/8/2017	<0.005 (D)	
7/17/2017	<0.005 (D)	
7/27/2017	<0.005	
8/9/2017	<0.005	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
3/9/2020	<0.005	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.00503 (J)	
5/11/2016	0.0114	
7/19/2016	0.0013 (J)	
9/15/2016	0.002 (J)	
11/2/2016	0.0005 (J)	
1/18/2017	0.0015 (J)	
3/28/2017	0.0025 (J)	
6/7/2017	0.0023 (J)	
9/26/2017	0.0011 (J)	
3/14/2018	0.00058 (J)	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.00075 (J)	
9/10/2020	<0.005	
3/12/2021	0.00079 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.0033	
11/2/2007	0.0046	
11/18/2007	0.0057	
1/31/2008	0.0055	
3/11/2008	0.0033	
5/14/2008	0.0044	
12/5/2008	0.0035	
4/15/2009	<0.005	
10/8/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/21/2011	<0.005	
10/13/2011	<0.005	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	0.0013 (J)	
10/4/2014	0.00081 (J)	
3/31/2015	0.0021	
10/12/2015	0.00078 (J)	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	0.0007 (J)	
9/22/2016	0.0007 (J)	
11/10/2016	0.0007 (J)	
1/31/2017	0.0007 (J)	
3/30/2017	0.0007 (J)	
6/12/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/19/2018	0.00059 (J)	
9/17/2018	0.00057 (J)	
3/20/2019	<0.005	
9/13/2019	0.00046 (J)	
3/11/2020	0.00041 (J)	
3/29/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0006 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	0.0005 (J)	
6/6/2017	<0.005	
9/25/2017	0.0006 (J)	
3/14/2018	<0.005	
9/12/2018	0.0011 (J)	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/9/2020	<0.005	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	0.0004 (J)	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/6/2020	0.00039 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		0.00039 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	0.00039 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.01	
4/7/2017	0.0018 (J)	
6/14/2017	0.0045 (JD)	
7/12/2017	0.0046 (JD)	
7/20/2017	0.0109 (D)	
7/28/2017	0.0104	
8/9/2017	0.0022 (J)	
8/24/2017	0.0076 (J)	
10/3/2017	0.0028 (JD)	
3/21/2018	0.014	
9/18/2018	0.017	
3/21/2019	0.022 (D)	
9/12/2019	0.02 (D)	
3/12/2020	0.013	
9/17/2020	0.019	
3/16/2021	0.015	
8/10/2021	0.011	
2/3/2022		0.0059
8/17/2022		0.015
2/17/2023		0.017

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.005	
4/23/2009	0.0029	
10/6/2009	<0.005	
5/3/2010	<0.005	
10/11/2010	<0.005	
4/27/2011	0.0028	
10/19/2011	<0.005	
5/1/2012	<0.005	
10/2/2012	<0.005	
4/10/2013	0.0014	
10/16/2013	0.0014	
4/22/2014	0.0013	
10/1/2014	<0.005	
3/30/2015	0.00079 (J)	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/11/2016	<0.005	
1/30/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/18/2018	<0.005	
3/19/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	0.0046	
1/30/2008	0.0079	
3/6/2008	0.0037	
5/12/2008	<0.005	
12/13/2008	0.013	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	0.0018	
4/3/2013	0.0014	
10/15/2013	0.0018	
4/9/2014	0.0013 (J)	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	0.0006 (J)	
2/7/2017	0.0017 (J)	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	0.0021 (J)	
9/18/2018	<0.005	
3/22/2019	0.0011 (J)	
9/17/2019	<0.005	
3/12/2020	0.0017 (J)	
9/17/2020	<0.005	
3/18/2021	0.001 (J)	
8/10/2021	0.00075 (J)	
2/4/2022		0.0018 (J)
8/17/2022		0.00051 (J)
2/20/2023		0.0026 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	0.0031	
11/1/2007	0.0034	
11/18/2007	0.0045	
1/30/2008	0.0027	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	0.0037	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.0036	
10/2/2014	0.016	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	0.11 (O)	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	0.0026	
10/11/2015	0.00065 (J)	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/4/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.0013	
11/1/2007	0.0041	
11/19/2007	0.0055	
1/16/2008	0.008	
3/5/2008	0.98 (O)	
5/13/2008	0.01	
12/13/2008	0.0073	
4/16/2009	0.0033	
10/21/2009	0.0039	
4/27/2010	0.0044	
10/5/2010	0.005	
4/19/2011	0.0039	
10/12/2011	0.0032	
4/24/2012	<0.0013	
10/2/2012	<0.0013	
4/2/2013	0.0038	
10/9/2013	0.003	
4/1/2014	0.0027	
10/2/2014	0.0027	
4/1/2015	0.0028	
10/14/2015	0.003	
4/4/2016	0.00351 (J)	
5/27/2016	0.00332 (J)	
8/3/2016	0.003 (J)	
9/30/2016	0.0035 (J)	
11/22/2016	0.0027 (J)	
2/13/2017	0.003 (J)	
4/11/2017	0.0031 (J)	
6/14/2017	0.0031 (J)	
10/4/2017	0.0032 (J)	
3/22/2018	0.0033 (J)	
9/18/2018	0.0031 (J)	
3/23/2019	0.0032 (J)	
9/17/2019	0.00305 (D)	
3/12/2020	0.0031 (J)	
9/21/2020	0.0029 (J)	
3/19/2021	0.0029 (J)	
8/11/2021	0.0026 (J)	
2/2/2022		0.0034 (J)
8/18/2022		0.0028 (J)
2/21/2023		0.0029 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.01	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	0.0037	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.011	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	0.00051 (J)	
4/4/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/12/2017	<0.005	
6/16/2017	<0.005	
10/9/2017	<0.005	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019	<0.005	
9/18/2019	0.0005 (J)	
3/13/2020	<0.005	
9/22/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.0079	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005	
2/22/2017	<0.005	
4/11/2017	<0.005	
6/16/2017	<0.005	
7/12/2017	<0.005	
7/28/2017	<0.005	
8/10/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	<0.005	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	0.0039	
1/15/2008	<0.005	
3/5/2008	0.005	
5/7/2008	<0.005	
12/2/2008	0.011	
4/16/2009	0.005	
10/20/2009	0.0074	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	0.0003 (J)	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	0.00058 (J)	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	0.0006 (J)	
6/15/2017	0.0004 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	0.0029	
3/10/2008	0.069 (O)	
5/13/2008	<0.005	
12/2/2008	0.0027	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	<0.005	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.002 (J)	
5/16/2016	<0.01	
7/25/2016	0.0015 (J)	
9/19/2016	0.0014 (J)	
11/3/2016	0.0013 (J)	
1/19/2017	0.0013 (J)	
3/28/2017	0.0019 (J)	
6/5/2017	0.0022 (J)	
9/26/2017	0.0018 (J)	
3/15/2018	0.0018 (J)	
9/12/2018	0.0016 (J)	
3/14/2019	0.0022 (J)	
9/11/2019	0.0018 (J)	
3/10/2020	0.0021 (J)	
9/15/2020	0.0015 (J)	
3/11/2021	0.0016 (J)	
8/4/2021	0.0016 (J)	
1/31/2022		0.0017 (J)
8/15/2022		0.0014 (J)
2/14/2023		0.0014 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01 (D)	
7/25/2016	0.0017 (JD)	
9/19/2016	0.0017 (JD)	
11/4/2016	0.0013 (JD)	
1/23/2017	0.0013 (JD)	
3/29/2017	0.0013 (JD)	
6/7/2017	0.0011 (J)	
9/27/2017	0.0013 (J)	
3/15/2018	0.0012 (J)	
9/13/2018	0.001 (J)	
3/14/2019	0.0015 (JD)	
9/11/2019	0.0014 (JD)	
3/10/2020	0.0012 (J)	
9/11/2020	0.0012 (J)	
3/11/2021	0.0011 (J)	
8/6/2021	0.0011 (J)	
2/1/2022		0.0013 (J)
8/12/2022		0.0011 (J)
2/14/2023		0.0012 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	0.0006 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
6/7/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00235 (J)	
5/17/2016	0.0025 (J)	
7/27/2016	0.0014 (J)	
9/20/2016	0.0015 (J)	
11/4/2016	0.0014 (J)	
1/23/2017	<0.01	
3/28/2017	0.0015 (J)	
6/8/2017	0.0016 (J)	
9/29/2017	0.0015 (J)	
3/15/2018	0.0013 (J)	
9/13/2018	0.0013 (J)	
3/15/2019	0.0012 (J)	
9/11/2019	0.00135 (JD)	
3/9/2020	0.0016 (J)	
9/14/2020	0.0017 (J)	
3/11/2021	0.0025 (J)	
8/4/2021	0.0017 (J)	
1/31/2022		0.0021 (J)
8/15/2022		0.0027 (J)
2/14/2023		0.0025 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.01	
5/18/2016	<0.01	
7/28/2016	0.0026 (J)	
9/21/2016	0.0044 (J)	
11/7/2016	0.0044 (J)	
1/24/2017	0.0049 (J)	
3/30/2017	0.0041 (J)	
6/9/2017	0.0054 (J)	
9/29/2017	0.0038 (J)	
3/15/2018	0.0026 (J)	
9/14/2018	0.0017 (J)	
3/19/2019	0.00069 (J)	
9/11/2019	0.00075 (J)	
3/9/2020	0.0028 (J)	
9/14/2020	0.0014 (J)	
3/15/2021	0.00056 (J)	
8/5/2021	0.0025 (J)	
2/1/2022		0.00066 (J)
8/15/2022		0.0015 (J)
2/14/2023		0.00096 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	0.0073	
3/11/2008	0.0025	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	0.0024	
4/11/2013	0.002	
10/16/2013	0.0023	
4/23/2014	0.003	
10/3/2014	0.0034	
3/31/2015	0.00079 (J)	
10/12/2015	0.00063 (J)	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	0.0005 (J)	
9/27/2016	<0.005	
11/11/2016	0.0006 (J)	
1/31/2017	0.0007 (J)	
4/3/2017	0.0005 (J)	
6/12/2017	0.0004 (J)	
10/3/2017	0.0003 (J)	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.00031 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	0.0038	
11/20/2007	<0.005	
1/23/2008	0.0047	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	0.0013 (J)	
10/3/2014	0.00071 (J)	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0018 (J)	
9/27/2016	0.0011 (J)	
11/21/2016	0.0008 (J)	
2/1/2017	0.0008 (J)	
4/6/2017	0.0008 (J)	
6/13/2017	0.0007 (J)	
7/14/2017	0.0005 (J)	
10/3/2017	0.0007 (J)	
3/20/2018	0.00076 (J)	
9/18/2018	0.00055 (J)	
3/21/2019	0.00059 (J)	
9/13/2019	0.00099 (J)	
3/12/2020	0.00031 (J)	
9/16/2020	0.00072 (J)	
3/17/2021	0.00045 (J)	
8/10/2021	0.00087 (J)	
2/2/2022		0.00042 (J)
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	0.0013 (J)	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.0014	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	<0.005 (D)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.0018	
6/18/2015	0.0018 (D)	
7/2/2015	0.0013	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0034	
1/15/2008	0.0067	
3/6/2008	0.13 (O)	
5/13/2008	<0.005	
12/12/2008	0.0042	
4/16/2009	0.0047	
10/13/2009	0.0037	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	0.0013	
4/9/2014	0.0013 (J)	
9/30/2014	<0.005	
4/2/2015	0.00064 (J)	
10/10/2015	0.0015 (D)	
3/30/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	0.00044 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.00043 (J)
8/17/2022		0.00043 (J)
2/21/2023		0.00043 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	0.0066	
10/23/2007	0.0076	
11/18/2007	0.0055 (J)	
1/30/2008	0.0094	
3/10/2008	0.0056	
5/13/2008	0.0027	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0076	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	0.005 (J)	
9/30/2014	<0.005	
3/30/2015	0.0033 (J)	
10/13/2015	0.0013 (J)	
3/22/2016	<0.005	
7/29/2016	<0.005	
3/30/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	0.0088	
11/18/2007	0.0075	
1/31/2008	<0.005	
3/11/2008	0.0068	
5/6/2008	<0.005	
12/4/2008	0.013	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	0.0027	
4/13/2011	0.0029	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	0.0032 (J)	
3/30/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	0.0025 (J)	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	0.01273 (JD)	
3/11/2020	0.0002 (J)	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	0.0036	
10/24/2007	<0.005	
11/18/2007	0.013	
1/31/2008	0.0069	
3/10/2008	0.0044	
5/13/2008	0.0033	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	0.005 (J)	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	0.0006 (J)	
4/3/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	0.00055 (J)	
3/11/2020	0.0011 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	0.0013 (J)	
2/1/2022		0.00096 (J)
8/16/2022		<0.005
2/16/2023		0.0011 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005	
7/27/2016	0.0271 (o)	
2/21/2017	<0.005	
3/27/2017	<0.005	
9/29/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	0.002 (J)	
3/14/2019	<0.005	
3/9/2020	0.011 (J)	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	0.0005 (J)	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.0007 (J)	
9/10/2020	<0.005	
3/12/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.017	
11/2/2007	0.016	
11/18/2007	0.048	
1/31/2008	0.039	
3/11/2008	0.037	
5/14/2008	0.051	
12/5/2008	0.038	
4/15/2009	0.033	
10/8/2009	0.037	
4/28/2010	0.037	
10/6/2010	0.041	
4/21/2011	0.034	
10/13/2011	0.048	
5/1/2012	0.0427	
10/9/2012	0.038	
4/11/2013	0.038	
10/16/2013	0.036	
4/23/2014	0.03	
10/4/2014	0.029	
3/31/2015	0.026	
10/12/2015	0.05	
3/23/2016	0.0297	
7/29/2016	0.0419	
3/30/2017	0.0392	
10/4/2017	0.0343	
3/19/2018	0.033	
9/17/2018	0.033	
3/20/2019	0.026	
9/13/2019	0.026	
3/11/2020	0.027	
3/29/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/9/2019	0.0022 (J)	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/12/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	<0.005	
9/15/2016	0.0007 (J)	
11/3/2016	<0.005	
1/18/2017	<0.005	
3/24/2017	<0.005	
9/25/2017	0.0003 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	0.00038 (JD)	
3/6/2020	0.00093 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0005 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
9/25/2017	0.0007 (J)	
3/14/2018	0.0021 (J)	
9/12/2018	<0.005	
3/14/2019	0.0022 (J)	
9/10/2019	0.0022 (J)	
3/9/2020	0.0014 (J)	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	0.0008 (J)	
1/31/2022		0.0028 (J)
8/11/2022		<0.005
2/13/2023		0.0012 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	<0.005	
9/19/2016	0.003 (J)	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/6/2020	0.00019 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
9/22/2017	0.0004 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00036 (J)	
3/9/2020	0.00035 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		0.0014 (J)
8/11/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
9/22/2017	0.0006 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	0.0015 (J)	
9/11/2019	0.00026 (J)	
3/9/2020	0.00035 (J)	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	0.0004 (J)	
10/3/2017	<0.005 (D)	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005 (D)	
9/12/2019	0.00045 (JD)	
3/12/2020	0.0002 (J)	
9/17/2020	<0.005	
3/16/2021	<0.005	
8/10/2021	<0.005	
2/3/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.018	
4/23/2009	0.013	
10/6/2009	0.012	
4/27/2010	0.0095	
9/30/2010	0.0087	
4/14/2011	0.0061	
10/5/2011	<0.025	
4/11/2012	<0.025	
10/2/2012	<0.025	
4/9/2013	0.0053	
10/15/2013	0.0076	
4/10/2014	0.005	
10/1/2014	0.0047 (J)	
3/30/2015	0.0048 (J)	
10/11/2015	0.0055	
3/28/2016	<0.025	
8/1/2016	0.0025 (J)	
4/7/2017	0.003 (J)	
10/2/2017	0.0031 (J)	
3/16/2018	0.0037 (J)	
9/17/2018	0.0028 (J)	
3/19/2019	0.0023 (J)	
9/13/2019	0.0023 (J)	
3/11/2020	0.0026 (J)	
9/16/2020	0.0018 (J)	
3/17/2021	0.0019 (J)	
8/9/2021	0.0017 (J)	
2/1/2022		0.0017 (J)
8/16/2022		0.0014 (J)
2/16/2023		0.0015 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.064 (O)	
4/23/2009	0.034	
10/6/2009	0.026	
5/3/2010	0.014	
10/11/2010	0.014	
4/27/2011	0.028	
10/19/2011	<0.013	
5/1/2012	0.0198	
10/2/2012	0.011	
4/10/2013	0.018	
10/16/2013	0.016	
4/22/2014	0.014	
10/1/2014	0.0041 (J)	
3/30/2015	0.012	
10/11/2015	0.0049 (J)	
3/28/2016	0.00734 (J)	
8/1/2016	0.0049 (J)	
4/3/2017	0.0023 (J)	
10/2/2017	0.0023 (J)	
3/16/2018	0.0035 (J)	
9/18/2018	0.0041 (J)	
3/19/2019	0.0029 (J)	
9/12/2019	0.0028 (J)	
3/11/2020	0.0035 (J)	
9/15/2020	0.0031 (J)	
3/17/2021	0.0024 (J)	
8/9/2021	0.0028 (J)	
2/2/2022		0.0033 (J)
8/17/2022		0.0098
2/16/2023		0.0028 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.0058	
11/1/2007	<0.005	
11/20/2007	0.006	
1/30/2008	0.0037	
3/6/2008	0.004	
5/12/2008	<0.005	
12/13/2008	0.0051	
4/29/2009	0.003	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.0027 (J)	
3/31/2016	<0.005	
8/5/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/4/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.007	
11/1/2007	<0.005	
11/20/2007	0.0032	
1/30/2008	0.0039	
3/6/2008	<0.005	
5/8/2008	0.0039	
12/14/2008	0.0046	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00029 (J)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	0.0037	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	0.0028	
4/12/2011	<0.005	
10/4/2011	0.013	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	0.00084 (J)	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	0.00023 (J)	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	0.0032	
11/1/2007	0.0031	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	0.0029	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.005 (J)	
10/2/2014	0.0022 (J)	
4/1/2015	0.019	
10/11/2015	0.013	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	0.00031 (J)	
3/12/2020	0.00032 (J)	
9/21/2020	<0.005	
3/19/2021	0.0018 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0029	
1/16/2008	0.0067	
3/5/2008	0.0058	
5/13/2008	<0.005	
12/13/2008	<0.005	
4/16/2009	0.0032	
10/21/2009	<0.005	
4/27/2010	0.0034	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	0.0063	
10/9/2013	<0.005	
4/1/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	0.0017 (J)	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/11/2017	0.0003 (J)	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005 (D)	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/2/2022		<0.005
8/18/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0035	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.0028	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/12/2017	0.0003 (J)	
10/9/2017	0.0005 (J)	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019	<0.005	
9/18/2019	0.00057 (J)	
3/13/2020	0.00033 (J)	
9/22/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0043	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.013	
4/29/2009	0.0029	
10/21/2009	<0.005	
4/28/2010	0.0032	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	0.005 (J)	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	0.00021 (X)	
3/17/2020	0.00045 (J)	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		0.0014 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.0048 (J)	
11/2/2007	<0.005	
11/17/2007	0.0031	
1/15/2008	0.0033	
3/5/2008	0.0026	
5/7/2008	0.0028	
12/2/2008	0.0029	
4/16/2009	0.0035	
10/20/2009	0.0056	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	0.0012 (J)	
4/5/2016	<0.005	
8/9/2016	<0.005	
4/11/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	0.02	
1/15/2008	0.0043	
3/6/2008	<0.005	
5/7/2008	0.0026	
12/2/2008	<0.005	
4/28/2009	0.003	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	0.0025	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	0.00093 (J)	
4/5/2016	<0.005	
8/4/2016	0.0007 (J)	
4/12/2017	<0.005	
10/6/2017	0.0003 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.00029 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.021	
11/2/2007	0.0037	
11/18/2007	0.007 (J)	
1/15/2008	0.0055	
3/10/2008	0.0042	
5/13/2008	<0.005	
12/2/2008	0.0039	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
4/11/2017	0.0003 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.0002 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0005 (J)	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	<0.005 (*)	
9/26/2017	0.0006 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	0.00043 (J)	
3/10/2020	0.00067 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	0.0006 (J)	
1/31/2022		0.00053 (J)
8/15/2022		<0.005
2/14/2023		0.0054

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	0.0032 (JD)	
11/4/2016	0.0006 (JD)	
1/23/2017	0.0008 (JD)	
3/29/2017	0.0005 (JD)	
9/27/2017	0.0014 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	0.012 (JD)	
3/10/2020	0.00031 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/3/2016	<0.005 (D)	
1/20/2017	<0.005 (D)	
3/29/2017	0.0022 (JD)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	0.0008 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.0011 (J)	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	0.0003 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/12/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		0.0016 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.001 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	0.0003 (J)	
9/27/2017	0.0011 (J)	
3/16/2018	<0.005	
9/13/2018	<0.005	
3/19/2019	<0.005	
9/11/2019	0.0008 (J)	
3/9/2020	0.00032 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.005	
5/17/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.0018 (J)	
11/4/2016	<0.005	
1/23/2017	<0.005	
3/28/2017	<0.005 (*)	
9/29/2017	0.0003 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/11/2019	0.000535 (JD)	
3/9/2020	0.00035 (J)	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.005	
5/18/2016	<0.005	
7/28/2016	0.0007 (J)	
9/21/2016	0.0018 (J)	
11/7/2016	<0.005	
1/24/2017	<0.005	
3/30/2017	0.0003 (J)	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/11/2019	0.00021 (J)	
3/9/2020	0.00035 (J)	
9/14/2020	<0.005	
3/15/2021	<0.005	
8/5/2021	0.00061 (J)	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0064	
10/25/2007	0.0081	
11/19/2007	0.0059	
1/23/2008	0.018	
3/11/2008	0.027	
5/12/2008	0.016	
12/11/2008	0.016	
4/15/2009	0.017	
10/9/2009	0.045	
5/4/2010	0.031	
10/12/2010	0.024	
4/28/2011	0.0044	
10/19/2011	0.038	
5/2/2012	0.0865 (O)	
10/9/2012	0.053	
4/11/2013	0.04	
10/16/2013	0.054	
4/23/2014	0.054	
10/3/2014	0.066	
3/31/2015	0.025	
10/12/2015	0.018	
3/28/2016	0.0256	
8/1/2016	0.0178 (J)	
4/3/2017	0.0272	
10/3/2017	0.0239 (J)	
3/19/2018	0.021 (J)	
9/17/2018	0.018 (J)	
3/20/2019	0.023 (J)	
9/16/2019	0.016 (J)	
3/16/2020	0.012 (J)	
9/16/2020	0.017 (J)	
3/17/2021	0.019	
8/9/2021	0.026	
2/2/2022		0.024
8/16/2022		0.021
2/20/2023		0.023

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	0.0033	
10/25/2007	<0.005	
11/20/2007	0.0052	
1/23/2008	0.0069	
3/11/2008	0.0029	
5/14/2008	0.0035	
12/11/2008	<0.005	
4/23/2009	0.0038	
10/9/2009	0.0032	
5/4/2010	<0.005	
10/11/2010	0.0029	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	0.005 (J)	
10/3/2014	0.00091 (J)	
4/1/2015	0.0011 (J)	
10/9/2015	<0.005	
3/29/2016	<0.005	
8/1/2016	<0.005	
4/6/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	0.0018 (J)	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
8/1/2016	<0.005	
4/6/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	0.00028 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
8/2/2016	<0.005	
4/6/2017	0.0004 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005	
9/13/2019	0.00025 (J)	
3/12/2020	0.00021 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.002 (J)	
3/30/2016	<0.005	
8/2/2016	<0.005	
4/6/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	<0.005 (D)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	0.005 (D)	
7/2/2015	<0.005	
10/8/2015	0.00091 (J)	
3/22/2016	<0.005	
8/2/2016	<0.005	
4/7/2017	<0.005	
10/3/2017	0.0003 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.00024 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	0.0047	
11/19/2007	0.0067 (J)	
1/15/2008	0.01	
3/6/2008	0.007	
5/13/2008	<0.005	
12/12/2008	0.0048	
4/16/2009	0.0042	
10/13/2009	0.0034	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.00345 (JD)	
3/30/2016	<0.005	
8/5/2016	<0.005	
4/6/2017	0.0003 (J)	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	0.00021 (J)	
3/12/2020	0.00031 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.001	
10/23/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/5/2008	<0.001	
4/15/2009	<0.001	
10/7/2009	<0.001	
5/3/2010	<0.001	
10/12/2010	<0.001	
4/27/2011	<0.001	
10/17/2011	<0.001	
5/2/2012	<0.001	
10/8/2012	<0.001	
4/12/2013	<0.001	
10/16/2013	<0.001	
4/11/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	0.0028 (J)	
10/13/2015	<0.001	
3/22/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	0.0002 (J)	
9/23/2016	<0.001	
11/9/2016	0.0004 (J)	
1/30/2017	<0.001	
3/30/2017	8E-05 (J)	
6/9/2017	0.0001 (J)	
10/2/2017	0.0002 (J)	
3/16/2018	<0.001	
9/17/2018	<0.001 (D)	
3/20/2019	<0.001	
9/12/2019	<0.001	
3/11/2020	<0.001	
9/15/2020	9.3E-05 (J)	
3/16/2021	5.2E-05 (J)	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.001	
10/24/2007	<0.001	
11/18/2007	<0.001	
1/31/2008	<0.001	
3/11/2008	<0.001	
5/6/2008	<0.001	
12/4/2008	<0.001	
4/21/2009	<0.001	
10/7/2009	<0.001	
4/26/2010	<0.001	
10/4/2010	<0.001	
4/13/2011	<0.001	
10/5/2011	<0.001	
4/11/2012	<0.001	
10/9/2012	<0.001	
4/15/2013	<0.001	
10/15/2013	<0.001	
4/22/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	<0.001	
10/13/2015	<0.001	
3/23/2016	<0.001	
5/20/2016	<0.001	
7/29/2016	0.0001 (J)	
9/23/2016	<0.001	
11/9/2016	<0.001	
1/31/2017	<0.001	
3/30/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/19/2018	<0.001	
9/14/2018	<0.001	
3/20/2019	<0.001	
9/12/2019	0.002536 (JD)	
3/11/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.001	
10/24/2007	<0.001	
11/18/2007	<0.001	
1/31/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/4/2008	<0.001	
4/21/2009	<0.001	
10/8/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/9/2012	<0.001	
4/11/2013	<0.001	
10/16/2013	<0.001	
4/10/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	<0.001	
10/13/2015	<0.001	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/22/2016	<0.001	
11/10/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/19/2019	<0.001	
9/13/2019	<0.001	
3/11/2020	5.8E-05 (J)	
9/15/2020	5E-05 (J)	
3/16/2021	7E-05 (J)	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.001 (D)	
7/27/2016	0.0011 (JD)	
2/21/2017	<0.001	
3/27/2017	<0.001 (D)	
6/8/2017	<0.001 (D)	
7/17/2017	<0.001 (D)	
7/27/2017	0.0001 (J)	
8/9/2017	<0.001	
9/29/2017	<0.001 (D)	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/14/2019	<0.001	
3/9/2020	0.00027 (J)	
9/16/2020	0.0005 (J)	
3/16/2021	0.0002 (J)	
8/6/2021	<0.001	
2/2/2022		<0.001
8/16/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.001	
5/11/2016	<0.001	
7/19/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	<0.001 (*)	
6/7/2017	8E-05 (J)	
9/26/2017	0.0002 (J)	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/15/2019	<0.001	
9/9/2019	<0.001	
3/9/2020	5.5E-05 (J)	
9/10/2020	<0.001	
3/12/2021	0.0002 (J)	
8/4/2021	<0.001	
1/31/2022		<0.001
8/10/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.001	
5/11/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/24/2017	<0.001 (*)	
5/24/2017	0.0001 (J)	
9/26/2017	0.0001 (J)	
3/14/2018	0.00046 (J)	
9/12/2018	<0.001	
3/13/2019	<0.001	
9/9/2019	<0.001	
3/9/2020	9.5E-05 (J)	
9/11/2020	<0.001	
3/10/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/12/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.001	
5/12/2016	<0.001	
7/20/2016	<0.001	
9/15/2016	<0.001	
11/3/2016	<0.001	
1/18/2017	<0.001	
3/24/2017	<0.001	
6/6/2017	<0.001	
9/25/2017	<0.001	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/14/2019	<0.001	
9/10/2019	<0.001 (D)	
3/6/2020	9.1E-05 (J)	
9/10/2020	<0.001	
3/11/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/11/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.001	
5/13/2016	<0.001	
7/21/2016	0.0001 (J)	
9/21/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/27/2017	<0.001	
6/6/2017	<0.001	
9/25/2017	0.0001 (J)	
3/14/2018	0.00031 (J)	
9/12/2018	<0.001	
3/14/2019	0.00031 (J)	
9/10/2019	<0.001	
3/9/2020	4.9E-05 (J)	
9/10/2020	<0.001	
3/10/2021	0.00012 (J)	
8/4/2021	<0.001	
1/31/2022		<0.001
8/11/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.001	
5/16/2016	<0.001	
7/22/2016	0.0001 (J)	
9/19/2016	0.0002 (J)	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/27/2017	<0.001	
6/7/2017	<0.001	
9/26/2017	<0.001	
3/14/2018	<0.001	
9/14/2018	<0.001	
3/14/2019	<0.001	
9/10/2019	<0.001	
3/6/2020	0.00011 (J)	
9/10/2020	<0.001	
3/11/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/10/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.001	
5/13/2016	<0.001	
7/19/2016	<0.001	
9/16/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	<0.001	
6/6/2017	7E-05 (J)	
9/22/2017	8E-05 (J)	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/13/2019	<0.001	
9/11/2019	0.0001 (J)	
3/9/2020	9.1E-05 (J)	
9/11/2020	4.6E-05 (J)	
3/11/2021	6.3E-05 (J)	
8/6/2021	<0.001	
1/31/2022		<0.001
8/11/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.001	
5/13/2016	<0.001	
7/19/2016	<0.001	
9/16/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	<0.001	
6/6/2017	0.0001 (J)	
9/22/2017	7E-05 (J)	
3/15/2018	0.0038 (J)	
9/12/2018	<0.001	
3/13/2019	<0.001	
9/11/2019	9.2E-05 (J)	
3/9/2020	9.6E-05 (J)	
9/14/2020	6.6E-05 (J)	
3/11/2021	0.00013 (J)	
8/5/2021	<0.001	
1/31/2022		<0.001
8/10/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0002 (J)	
4/7/2017	<0.001	
6/14/2017	<0.001 (D)	
7/12/2017	<0.001 (D)	
7/20/2017	<0.001 (D)	
7/28/2017	<0.001	
8/9/2017	<0.001	
8/24/2017	<0.001	
10/3/2017	<0.001 (D)	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/21/2019	<0.001 (D)	
9/12/2019	6.5E-05 (JD)	
3/12/2020	<0.001	
9/17/2020	<0.001	
3/16/2021	<0.001	
8/10/2021	<0.001	
2/3/2022		<0.001
8/17/2022		<0.001
2/17/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.001	
4/23/2009	<0.001	
10/6/2009	<0.001	
4/27/2010	<0.001	
9/30/2010	<0.001	
4/14/2011	<0.001	
10/5/2011	<0.001	
4/11/2012	<0.001	
10/2/2012	<0.001	
4/9/2013	<0.001	
10/15/2013	<0.001	
4/10/2014	<0.001	
10/1/2014	<0.001	
3/30/2015	<0.001	
10/11/2015	<0.001	
3/28/2016	<0.001	
5/23/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	0.0001 (J)	
11/10/2016	<0.001	
1/30/2017	<0.001	
4/7/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	0.0003 (J)	
3/16/2018	<0.001	
9/17/2018	<0.001	
3/19/2019	<0.001	
9/13/2019	<0.001	
3/11/2020	<0.001	
9/16/2020	9.3E-05 (J)	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.001	
4/23/2009	<0.001	
10/6/2009	<0.001	
5/3/2010	<0.001	
10/11/2010	<0.001	
4/27/2011	<0.001	
10/19/2011	<0.001	
5/1/2012	0.0012	
10/2/2012	<0.001	
4/10/2013	<0.001	
10/16/2013	<0.001	
4/22/2014	<0.001	
10/1/2014	<0.001	
3/30/2015	<0.001	
10/11/2015	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/11/2016	<0.001	
1/30/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/18/2018	<0.001	
3/19/2019	<0.001	
9/12/2019	<0.001	
3/11/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/16/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.001	
11/1/2007	<0.001	
11/20/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/12/2008	<0.001	
12/13/2008	<0.001	
4/29/2009	<0.001	
10/20/2009	<0.001	
4/26/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/5/2011	<0.001	
4/4/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/15/2013	<0.001	
4/9/2014	<0.001	
10/2/2014	<0.001	
4/2/2015	<0.001	
10/10/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/5/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	4.7E-05 (J)	
3/12/2020	<0.001	
9/17/2020	<0.001	
3/18/2021	<0.001	
8/10/2021	<0.001	
2/4/2022		<0.001
8/17/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.001	
11/1/2007	<0.001	
11/20/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/8/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/21/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/8/2012	<0.001	
4/3/2013	<0.001	
10/15/2013	<0.001	
4/9/2014	<0.001	
10/2/2014	<0.001	
4/2/2015	<0.001	
10/12/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	0.00017 (J)	
3/12/2020	<0.001	
9/17/2020	<0.001	
3/18/2021	<0.001	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.001	
11/1/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/22/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/9/2013	<0.001	
4/2/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/11/2015	<0.001	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	9E-05 (J)	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/23/2019	<0.001	
9/17/2019	4.6E-05 (J)	
3/12/2020	5.2E-05 (J)	
9/21/2020	<0.001	
3/19/2021	<0.001	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.001	
11/1/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/7/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/22/2009	<0.001	
4/21/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/4/2011	<0.001	
4/4/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/9/2013	<0.001	
4/2/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/11/2015	<0.001	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/4/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/22/2018	<0.001	
9/18/2018	<0.001	
3/23/2019	<0.001	
9/17/2019	8.2E-05 (J)	
3/12/2020	4.6E-05 (J)	
9/21/2020	<0.001	
3/19/2021	0.00018 (J)	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Inrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/31/2008	<0.001	
3/5/2008	<0.001	
5/12/2008	<0.001	
12/13/2008	<0.001	
4/28/2009	<0.001	
10/21/2009	<0.001	
4/28/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/18/2011	<0.001	
4/25/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/8/2013	<0.001	
4/1/2014	<0.001	
10/1/2014	<0.001	
4/1/2015	<0.001	
10/15/2015	<0.001	
4/4/2016	<0.001	
5/31/2016	<0.001	
8/4/2016	0.0001 (J)	
9/29/2016	0.0001 (J)	
11/28/2016	<0.001	
2/9/2017	0.0001 (J)	
4/12/2017	<0.001	
6/16/2017	0.0002 (J)	
10/9/2017	0.0001 (J)	
3/21/2018	<0.001	
9/19/2018	<0.001	
3/23/2019	<0.001	
9/18/2019	0.0002 (J)	
3/13/2020	0.00013 (J)	
9/22/2020	0.00015 (J)	
3/18/2021	0.00024 (J)	
8/11/2021	<0.001	
2/17/2022		<0.001
8/18/2022		<0.001
2/22/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/31/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/12/2008	<0.001	
4/29/2009	<0.001	
10/21/2009	<0.001	
4/28/2010	<0.001	
10/6/2010	<0.001	
4/20/2011	<0.001	
10/12/2011	<0.001	
4/25/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/8/2013	<0.001	
4/1/2014	<0.001	
10/1/2014	<0.001	
3/31/2015	<0.001	
10/14/2015	<0.001	
4/4/2016	<0.001	
6/1/2016	<0.001	
2/22/2017	0.0003 (J)	
4/11/2017	<0.001	
6/16/2017	<0.001	
7/12/2017	<0.001	
7/28/2017	<0.001	
8/10/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/20/2018	<0.001	
3/22/2019	<0.001	
9/18/2019	4.8E-05 (X)	
3/17/2020	<0.001	
9/22/2020	7.1E-05 (J)	
3/19/2021	7.4E-05 (J)	
8/12/2021	<0.001	
2/4/2022		<0.001
8/19/2022		<0.001
2/22/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.001	
11/2/2007	<0.001	
11/17/2007	<0.001	
1/15/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/2/2008	<0.001	
4/16/2009	<0.001	
10/20/2009	<0.001	
4/20/2010	<0.001	
9/29/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/4/2012	<0.001	
10/10/2012	<0.001	
4/15/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/7/2015	<0.001	
4/5/2016	<0.001	
6/1/2016	<0.001	
8/9/2016	<0.001	
11/28/2016	<0.001	
2/9/2017	0.0002 (J)	
4/11/2017	<0.001	
6/14/2017	<0.001	
7/12/2017	<0.001	
10/5/2017	<0.001	
3/22/2018	<0.001	
9/19/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	<0.001	
3/13/2020	<0.001	
9/21/2020	0.00023 (J)	
3/18/2021	<0.001	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/22/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.001	
11/2/2007	<0.001	
11/17/2007	<0.001	
1/15/2008	<0.001	
3/6/2008	<0.001	
5/7/2008	<0.001	
12/2/2008	<0.001	
4/28/2009	<0.001	
10/19/2009	<0.001	
4/27/2010	<0.001	
10/4/2010	<0.001	
4/18/2011	<0.001	
10/12/2011	<0.001	
4/23/2012	<0.001	
10/10/2012	<0.001	
4/15/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/7/2015	<0.001	
4/5/2016	<0.001	
5/31/2016	<0.001	
8/4/2016	<0.001	
9/29/2016	0.0008 (J)	
11/23/2016	0.0011 (J)	
2/10/2017	<0.001	
4/12/2017	<0.001	
6/15/2017	0.0005 (J)	
10/6/2017	0.0004 (J)	
3/23/2018	0.00028 (J)	
9/19/2018	0.00029 (J)	
3/25/2019	0.00047 (J)	
9/17/2019	0.00016 (J)	
3/13/2020	0.00037 (J)	
9/21/2020	0.00093 (J)	
3/18/2021	0.00036 (J)	
8/11/2021	<0.001	
2/4/2022		<0.001
8/19/2022		<0.001
2/22/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.001	
11/2/2007	<0.001	
11/18/2007	<0.001	
1/15/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/2/2008	<0.001	
4/28/2009	<0.001	
10/20/2009	<0.001	
4/27/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/12/2011	<0.001	
4/25/2012	<0.001	
10/10/2012	<0.001	
4/16/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/6/2015	<0.001	
4/5/2016	<0.001	
5/31/2016	<0.001	
11/23/2016	<0.001	
2/10/2017	<0.001	
4/11/2017	<0.001	
6/15/2017	<0.001	
7/12/2017	<0.001	
7/26/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	<0.001	
3/13/2020	4.8E-05 (J)	
9/21/2020	7.5E-05 (J)	
3/18/2021	4E-05 (J)	
8/11/2021	<0.001	
2/7/2022		<0.001
8/19/2022		<0.001
2/22/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.001	
5/16/2016	<0.001	
7/25/2016	0.0003 (J)	
9/19/2016	0.0002 (J)	
11/3/2016	0.0002 (J)	
1/19/2017	0.0003 (J)	
3/28/2017	<0.001 (*)	
6/5/2017	0.0007 (J)	
9/26/2017	0.0004 (J)	
3/15/2018	0.00064 (J)	
9/12/2018	0.00037 (J)	
3/14/2019	0.00077 (J)	
9/11/2019	0.00047 (J)	
3/10/2020	0.00066 (J)	
9/15/2020	0.00045 (J)	
3/11/2021	0.00053 (J)	
8/4/2021	<0.001	
1/31/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.001	
5/16/2016	<0.001 (D)	
7/25/2016	0.0002 (JD)	
9/19/2016	0.0004 (JD)	
11/4/2016	0.0002 (JD)	
1/23/2017	0.0001 (JD)	
3/29/2017	0.0001 (JD)	
6/7/2017	0.0001 (J)	
9/27/2017	0.0003 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/14/2019	<0.001 (D)	
9/11/2019	0.00016 (JD)	
3/10/2020	0.00014 (J)	
9/11/2020	0.00012 (J)	
3/11/2021	0.00012 (J)	
8/6/2021	<0.001	
2/1/2022		<0.001
8/12/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.001	
5/16/2016	<0.001 (D)	
7/25/2016	0.0001 (JD)	
9/19/2016	<0.001 (D)	
11/3/2016	<0.001 (D)	
1/20/2017	<0.001 (D)	
3/29/2017	0.0001 (JD)	
6/7/2017	8E-05 (J)	
9/27/2017	9E-05 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/14/2019	<0.001 (D)	
9/11/2019	<0.001 (D)	
3/10/2020	<0.001	
9/11/2020	<0.001	
3/11/2021	4.5E-05 (J)	
8/6/2021	<0.001	
2/1/2022		<0.001
8/12/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.001	
5/18/2016	<0.001	
7/27/2016	9E-05 (J)	
9/20/2016	0.0003 (J)	
11/7/2016	<0.001	
1/23/2017	<0.001	
3/29/2017	<0.001	
6/8/2017	0.0001 (J)	
9/27/2017	<0.001	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/15/2019	<0.001	
9/12/2019	<0.001	
3/9/2020	5.8E-05 (J)	
9/14/2020	<0.001	
3/11/2021	4.8E-05 (J)	
8/5/2021	<0.001	
2/1/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.001	
5/18/2016	<0.001	
7/27/2016	9E-05 (J)	
9/20/2016	0.0001 (J)	
11/4/2016	<0.001	
1/20/2017	<0.001	
3/29/2017	<0.001	
6/8/2017	<0.001	
9/27/2017	<0.001	
3/16/2018	<0.001	
9/13/2018	<0.001	
3/19/2019	<0.001	
9/11/2019	8.5E-05 (J)	
3/9/2020	8E-05 (J)	
9/15/2020	<0.001	
3/11/2021	<0.001	
8/5/2021	<0.001	
2/1/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.001	
5/17/2016	<0.001	
7/27/2016	<0.001	
9/20/2016	0.0002 (J)	
11/4/2016	<0.001	
1/23/2017	<0.001	
3/28/2017	<0.001 (*)	
6/8/2017	<0.001	
9/29/2017	<0.001	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/15/2019	<0.001	
9/11/2019	0.002529 (JD)	
3/9/2020	<0.001	
9/14/2020	<0.001	
3/11/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.001	
5/18/2016	<0.001	
7/28/2016	0.0002 (J)	
9/21/2016	<0.001 (*)	
11/7/2016	<0.001	
1/24/2017	0.0002 (J)	
3/30/2017	<0.001	
6/9/2017	<0.001	
9/29/2017	<0.001	
3/15/2018	<0.001	
9/14/2018	<0.001	
3/19/2019	<0.001	
9/11/2019	8.2E-05 (J)	
3/9/2020	0.00017 (J)	
9/14/2020	7.8E-05 (J)	
3/15/2021	4.6E-05 (J)	
8/5/2021	<0.001	
2/1/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.001	
10/25/2007	<0.001	
11/19/2007	<0.001	
1/23/2008	<0.001	
3/11/2008	<0.001	
5/12/2008	<0.001	
12/11/2008	<0.001	
4/15/2009	<0.001	
10/9/2009	<0.001	
5/4/2010	<0.001	
10/12/2010	<0.001	
4/28/2011	<0.001	
10/19/2011	<0.001	
5/2/2012	<0.001	
10/9/2012	<0.001	
4/11/2013	<0.001	
10/16/2013	<0.001	
4/23/2014	<0.001	
10/3/2014	<0.001	
3/31/2015	<0.001	
10/12/2015	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/27/2016	<0.001	
11/11/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/20/2019	<0.001	
9/16/2019	<0.001	
3/16/2020	5.1E-05 (J)	
9/16/2020	<0.001	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/2/2022		<0.001
8/16/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.001	
10/25/2007	<0.001	
11/20/2007	<0.001	
1/23/2008	<0.001	
3/11/2008	<0.001	
5/14/2008	<0.001	
12/11/2008	<0.001	
4/23/2009	<0.001	
10/9/2009	<0.001	
5/4/2010	<0.001	
10/11/2010	<0.001	
4/26/2011	<0.001	
10/18/2011	<0.001	
5/2/2012	<0.001	
10/8/2012	<0.001	
4/10/2013	<0.001	
10/8/2013	<0.001	
4/14/2014	<0.001	
10/3/2014	<0.001	
4/1/2015	<0.001	
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	0.0003 (J)	
11/18/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	7E-05 (J)	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/21/2019	<0.001	
9/16/2019	0.0001 (J)	
3/12/2020	0.0001 (J)	
9/16/2020	0.00012 (J)	
3/17/2021	7.4E-05 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/17/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.001	
6/18/2015	<0.001 (D)	
7/2/2015	<0.001	
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/14/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	7E-05 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/17/2018	<0.001	
3/21/2019	<0.001	
9/16/2019	<0.001	
3/12/2020	7E-05 (J)	
9/16/2020	<0.001	
3/17/2021	<0.001	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/17/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.001	
8/2/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/1/2017	0.0001 (J)	
4/6/2017	0.0002 (J)	
6/13/2017	<0.001	
7/14/2017	<0.001	
10/3/2017	9E-05 (J)	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/21/2019	<0.001	
9/13/2019	<0.001	
3/12/2020	8.2E-05 (J)	
9/16/2020	0.00011 (J)	
3/17/2021	4.9E-05 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.001	
4/30/2012	<0.001	
10/3/2012	<0.001	
4/8/2013	<0.001	
10/9/2013	<0.001	
4/10/2014	<0.001	
10/2/2014	<0.001	
4/3/2015	<0.001	
10/8/2015	<0.001	
3/30/2016	<0.001	
5/24/2016	<0.001	
8/2/2016	<0.001	
9/27/2016	<0.001	
11/22/2016	<0.001	
2/6/2017	<0.001	
4/6/2017	0.0001 (J)	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/27/2019	<0.001	
9/16/2019	<0.001 (D)	
3/12/2020	5.6E-05 (J)	
9/17/2020	8E-05 (J)	
3/17/2021	<0.001	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/21/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.001	
6/18/2015	<0.001 (D)	
7/2/2015	<0.001	
10/8/2015	<0.001	
3/22/2016	<0.001	
5/25/2016	<0.001	
8/2/2016	0.0002 (J)	
9/26/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/3/2017	0.0002 (J)	
4/7/2017	0.0002 (J)	
6/13/2017	0.0002 (J)	
10/3/2017	0.0002 (J)	
3/20/2018	0.00042 (J)	
9/18/2018	<0.001	
5/6/2019	0.00032 (J)	
9/16/2019	5.4E-05 (J)	
3/16/2020	0.00016 (J)	
9/17/2020	6.5E-05 (J)	
3/18/2021	0.00011 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/15/2008	<0.001	
3/6/2008	<0.001	
5/13/2008	<0.001	
12/12/2008	<0.001	
4/16/2009	<0.001	
10/13/2009	<0.001	
4/21/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/5/2011	<0.001	
4/4/2012	0.0012	
10/8/2012	<0.001	
4/8/2013	<0.001	
10/9/2013	<0.001	
4/9/2014	<0.001	
9/30/2014	<0.001	
4/2/2015	<0.001	
10/10/2015	<0.001 (D)	
3/30/2016	<0.001	
5/26/2016	<0.001	
8/5/2016	0.0001 (J)	
9/28/2016	0.0002 (J)	
11/21/2016	0.0002 (J)	
2/6/2017	0.0001 (J)	
4/6/2017	0.0001 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001 (D)	
3/21/2019	<0.001	
9/16/2019	6.1E-05 (J)	
3/12/2020	0.00016 (J)	
9/17/2020	7.9E-05 (J)	
3/18/2021	0.0001 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/21/2023		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	0.0096	
11/18/2007	0.023	
1/30/2008	0.11 (O)	
3/10/2008	0.024	
5/13/2008	0.006	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0096	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.004	
10/13/2015	<0.005	
3/22/2016	<0.005	
7/29/2016	<0.005	
3/30/2017	0.0004 (J)	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	0.00038 (J)	
3/11/2020	0.00068 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	0.026 (O)	
11/18/2007	0.043 (O)	
1/31/2008	0.0075	
3/11/2008	0.019	
5/6/2008	0.004	
12/4/2008	0.02	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	0.0025	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	0.0028	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0018 (J)	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	<0.005	
3/30/2017	0.0006 (J)	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	0.00518 (JD)	
3/11/2020	0.0014 (J)	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	0.0025	
11/18/2007	0.0093	
1/31/2008	0.054 (O)	
3/10/2008	0.0054	
5/13/2008	0.0043	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	<0.005	
4/3/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	0.002 (J)	
9/15/2020	0.0013 (J)	
3/16/2021	<0.005	
8/9/2021	0.00081 (J)	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0136 (D)	
7/27/2016	0.0224 (D)	
2/21/2017	0.0007 (J)	
3/27/2017	<0.005 (D)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	0.0017 (J)	
3/9/2020	0.00083 (J)	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.00544 (J)	
5/11/2016	0.0149	
7/19/2016	0.0044 (J)	
9/15/2016	0.0047 (J)	
11/2/2016	0.0025 (J)	
1/18/2017	0.004 (J)	
3/28/2017	0.0034 (J)	
9/26/2017	0.0016 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	0.0014 (J)	
3/9/2020	0.04 (o)	
9/10/2020	<0.005	
3/12/2021	0.0015 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		0.00095 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.028	
11/2/2007	0.041	
11/18/2007	0.14 (O)	
1/31/2008	0.053	
3/11/2008	0.076 (o)	
5/14/2008	0.074 (o)	
12/5/2008	0.032	
4/15/2009	0.028	
10/8/2009	0.032	
4/28/2010	0.029	
10/6/2010	0.031	
4/21/2011	0.019	
10/13/2011	0.028	
5/1/2012	0.0253	
10/9/2012	0.023	
4/11/2013	0.021	
10/16/2013	0.018	
4/23/2014	0.015	
10/4/2014	0.017	
3/31/2015	0.045	
10/12/2015	0.019	
3/23/2016	0.019	
7/29/2016	0.0161	
3/30/2017	0.018	
10/4/2017	0.0158	
3/19/2018	0.015	
9/17/2018	0.014	
3/20/2019	0.01	
9/13/2019	0.012	
3/11/2020	0.012	
3/29/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	0.0006 (J)	
9/15/2016	0.0009 (J)	
11/3/2016	0.0011 (J)	
1/18/2017	0.0007 (J)	
3/24/2017	<0.005 (*)	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	0.0004 (JD)	
3/6/2020	0.0089 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		0.00083 (J)
2/13/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0009 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005 (*)	
9/25/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/12/2018	0.0011 (J)	
3/14/2019	0.001 (J)	
9/10/2019	0.00084 (J)	
3/9/2020	0.00036 (J)	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		0.00091 (J)
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.01	
5/16/2016	0.00233 (J)	
7/22/2016	0.0014 (J)	
9/19/2016	0.0014 (J)	
11/3/2016	0.0013 (J)	
1/17/2017	0.0011 (J)	
3/27/2017	<0.01 (*)	
9/26/2017	0.0011 (J)	
3/14/2018	0.0012 (J)	
9/14/2018	0.0012 (J)	
3/14/2019	0.0015 (J)	
9/10/2019	0.0012 (J)	
3/6/2020	0.0015 (J)	
9/10/2020	0.0011 (J)	
3/11/2021	0.0011 (J)	
8/4/2021	0.0011 (J)	
1/31/2022		0.0011 (J)
8/10/2022		0.0016 (J)
2/13/2023		0.0013 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.00288 (J)	
5/13/2016	<0.005	
7/19/2016	0.0006 (J)	
9/16/2016	0.0008 (J)	
11/2/2016	0.0007 (J)	
1/18/2017	0.0006 (J)	
3/28/2017	<0.005 (*)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00082 (J)	
3/9/2020	0.00082 (J)	
9/11/2020	0.00089 (J)	
3/11/2021	<0.005	
8/6/2021	0.00084 (J)	
1/31/2022		0.00077 (J)
8/11/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	0.0006 (J)	
3/28/2017	<0.005 (*)	
9/22/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.005	
10/3/2017	<0.005 (D)	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005 (D)	
9/12/2019	0.00032 (JD)	
3/12/2020	0.00034 (J)	
9/17/2020	<0.005	
3/16/2021	<0.005	
8/10/2021	<0.005	
2/3/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.0035	
4/23/2009	0.0032	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	<0.005	
4/14/2011	0.0028	
10/5/2011	0.0028	
4/11/2012	<0.005	
10/2/2012	0.0026	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	0.0025 (J)	
10/1/2014	<0.005	
3/30/2015	0.0015 (J)	
10/11/2015	0.0013 (J)	
3/28/2016	<0.005	
8/1/2016	<0.005	
4/7/2017	0.0011 (J)	
10/2/2017	0.0013 (J)	
3/16/2018	<0.005	
9/17/2018	0.00096 (J)	
3/19/2019	<0.005	
9/13/2019	0.00063 (J)	
3/11/2020	0.00084 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	0.00077 (J)	
2/1/2022		0.0008 (J)
8/16/2022		0.00071 (J)
2/16/2023		0.00082 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.0096	
4/23/2009	0.015	
10/6/2009	0.008	
5/3/2010	0.0053	
10/11/2010	0.0061	
4/27/2011	0.0087	
10/19/2011	0.0039	
5/1/2012	0.0054	
10/2/2012	0.0044	
4/10/2013	0.0053	
10/16/2013	0.0047	
4/22/2014	0.0045	
10/1/2014	0.0018 (J)	
3/30/2015	0.0037	
10/11/2015	0.0018 (J)	
3/28/2016	0.0028 (J)	
8/1/2016	<0.01	
4/3/2017	0.0022 (J)	
10/2/2017	0.0021 (J)	
3/16/2018	0.0014 (J)	
9/18/2018	0.0012 (J)	
3/19/2019	0.0016 (J)	
9/12/2019	0.0015 (J)	
3/11/2020	0.001 (J)	
9/15/2020	0.0012 (J)	
3/17/2021	0.0012 (J)	
8/9/2021	0.00097 (J)	
2/2/2022		0.00089 (J)
8/17/2022		0.0011 (J)
2/16/2023		0.00081 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	0.0042	
11/20/2007	0.026	
1/30/2008	0.032	
3/6/2008	0.019	
5/12/2008	0.0072	
12/13/2008	0.024	
4/29/2009	0.0026	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	0.0042	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	0.004	
4/3/2013	0.0028	
10/15/2013	0.0036	
4/9/2014	0.0025 (J)	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
8/5/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	0.0016 (J)	
9/18/2018	<0.005	
3/22/2019	0.0022 (J)	
9/17/2019	<0.005	
3/12/2020	0.0015 (J)	
9/17/2020	<0.005	
3/18/2021	0.00094 (J)	
8/10/2021	0.00081 (J)	
2/4/2022		0.0014 (J)
8/17/2022		<0.005
2/20/2023		0.0019 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.005	
11/1/2007	0.006	
11/20/2007	<0.005	
1/30/2008	0.029 (O)	
3/6/2008	<0.005	
5/8/2008	0.0057	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	0.0006 (J)	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	0.00043 (J)	
9/17/2020	<0.005	
3/18/2021	0.0011 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	0.0087	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	0.0042	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.0025 (J)	
10/2/2014	0.0016 (J)	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	0.0046	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	0.0041	
10/11/2015	<0.005	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0047	
1/16/2008	0.029	
3/5/2008	0.023	
5/13/2008	0.0032	
12/13/2008	<0.01	
4/16/2009	<0.01	
10/21/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	0.0025	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	0.003	
10/9/2013	<0.01	
4/1/2014	0.0025 (J)	
10/2/2014	<0.01	
4/1/2015	0.0014 (J)	
10/14/2015	0.0021 (J)	
4/4/2016	0.00264 (J)	
8/3/2016	<0.01	
4/11/2017	0.0027 (J)	
10/4/2017	0.0022 (J)	
3/22/2018	0.0025 (J)	
9/18/2018	0.0024 (J)	
3/23/2019	0.0026 (J)	
9/17/2019	0.0033 (JD)	
3/12/2020	0.0022 (J)	
9/21/2020	0.0019 (J)	
3/19/2021	0.0022 (J)	
8/11/2021	0.0019 (J)	
2/2/2022		0.0025 (J)
8/18/2022		0.0023 (J)
2/21/2023		0.0022 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.0076	
11/1/2007	0.0043	
11/19/2007	0.0061	
1/31/2008	0.015	
3/5/2008	<0.005	
5/12/2008	0.0035	
12/13/2008	0.0079	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	0.0031	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/12/2017	<0.005	
10/9/2017	<0.005	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019	<0.005	
9/18/2019	0.00046 (J)	
3/13/2020	<0.005	
9/22/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	0.0033	
11/19/2007	0.0029	
1/31/2008	0.0039	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.022 (O)	
4/29/2009	0.0034	
10/21/2009	<0.005	
4/28/2010	0.0026	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	0.00082 (J)	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	0.0029	
11/17/2007	0.0086	
1/15/2008	0.011	
3/5/2008	0.0072	
5/7/2008	0.0045	
12/2/2008	0.011	
4/16/2009	0.0061	
10/20/2009	0.01	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
8/9/2016	0.0021 (J)	
4/11/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	0.00096 (J)	
3/22/2019	<0.005	
9/17/2019	0.0007 (X)	
3/13/2020	0.00078 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.0089	
11/2/2007	0.0036	
11/17/2007	0.014 (O)	
1/15/2008	0.0096	
3/6/2008	0.0038	
5/7/2008	0.0056	
12/2/2008	0.003	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	0.004	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
8/4/2016	<0.005	
4/12/2017	<0.005	
10/6/2017	0.001 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	0.0011 (J)	
9/17/2019	0.00057 (J)	
3/13/2020	0.00072 (J)	
9/21/2020	0.0015 (J)	
3/18/2021	0.00079 (J)	
8/11/2021	<0.005	
2/4/2022		0.00093 (J)
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	0.0088 (J)	
1/15/2008	0.019	
3/10/2008	0.017	
5/13/2008	0.0058	
12/2/2008	0.0043	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0006 (J)	
9/19/2016	0.0008 (J)	
11/3/2016	0.0007 (J)	
1/19/2017	0.0009 (J)	
3/28/2017	<0.005 (*)	
9/26/2017	0.0007 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	0.00058 (J)	
3/10/2020	0.00086 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		0.00073 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	0.00316 (JD)	
7/25/2016	0.0013 (JD)	
9/19/2016	0.0013 (JD)	
11/4/2016	0.0015 (JD)	
1/23/2017	0.0015 (JD)	
3/29/2017	0.0012 (JD)	
9/27/2017	0.0014 (J)	
3/15/2018	0.0011 (J)	
9/13/2018	0.001 (J)	
3/14/2019	0.001 (JD)	
9/11/2019	0.0012 (JD)	
3/10/2020	0.0012 (J)	
9/11/2020	0.00099 (J)	
3/11/2021	0.00092 (J)	
8/6/2021	0.00098 (J)	
2/1/2022		0.0011 (J)
8/12/2022		0.00086 (J)
2/14/2023		0.00092 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/3/2016	<0.005 (D)	
1/20/2017	<0.005 (D)	
3/29/2017	<0.005 (D)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	0.00095 (J)	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		0.004 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	0.0013 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	<0.005	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	0.0004 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/12/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	0.0007 (J)	
9/20/2016	0.0007 (J)	
11/4/2016	0.0006 (J)	
1/20/2017	<0.005	
3/29/2017	0.0003 (J)	
9/27/2017	<0.005	
3/16/2018	<0.005	
9/13/2018	<0.005	
3/19/2019	0.0042 (J)	
9/11/2019	0.0014 (J)	
3/9/2020	<0.005	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00432 (J)	
5/17/2016	0.00489 (J)	
7/27/2016	0.0036 (J)	
9/20/2016	0.0035 (J)	
11/4/2016	0.0035 (J)	
1/23/2017	<0.01	
3/28/2017	0.0033 (J)	
9/29/2017	0.0036 (J)	
3/15/2018	0.0033 (J)	
9/13/2018	0.0038 (J)	
3/15/2019	0.0033 (J)	
9/11/2019	0.00405 (JD)	
3/9/2020	0.0039 (J)	
9/14/2020	0.0046 (J)	
3/11/2021	0.0047 (J)	
8/4/2021	0.0045 (J)	
1/31/2022		0.0052
8/15/2022		0.0056
2/14/2023		0.0058

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/21/2016	<0.005	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/11/2020	0.0004 (J)	
9/11/2020	<0.005	
3/15/2021	<0.005	
8/11/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.00421 (J)	
5/18/2016	<0.01	
7/28/2016	0.0024 (J)	
9/21/2016	0.0044 (J)	
11/7/2016	0.0035 (J)	
1/24/2017	0.005 (J)	
3/30/2017	0.0046 (J)	
9/29/2017	0.004 (J)	
3/15/2018	0.0028 (J)	
9/14/2018	0.0024 (J)	
3/19/2019	0.0047 (J)	
9/11/2019	0.0012 (J)	
3/9/2020	0.003 (J)	
9/14/2020	0.0014 (J)	
3/15/2021	0.0013 (J)	
8/5/2021	0.0023 (J)	
2/1/2022		0.0014 (J)
8/15/2022		0.0022 (J)
2/14/2023		0.0018 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0069	
10/25/2007	0.038	
11/19/2007	0.025	
1/23/2008	0.047	
3/11/2008	0.042	
5/12/2008	0.031	
12/11/2008	0.027	
4/15/2009	0.025	
10/9/2009	0.051	
5/4/2010	0.025	
10/12/2010	0.024	
4/28/2011	0.01	
10/19/2011	0.03	
5/2/2012	0.0429	
10/9/2012	0.033	
4/11/2013	0.02	
10/16/2013	0.028	
4/23/2014	0.024	
10/3/2014	0.032	
3/31/2015	0.012	
10/12/2015	0.012	
3/28/2016	0.0172	
8/1/2016	0.0113	
4/3/2017	0.0114	
10/3/2017	0.0098 (J)	
3/19/2018	0.0092 (J)	
9/17/2018	0.0085 (J)	
3/20/2019	0.008 (J)	
9/16/2019	0.008 (J)	
3/16/2020	0.015	
9/16/2020	0.0075 (J)	
3/17/2021	0.0077	
8/9/2021	0.0089	
2/2/2022		0.0088
8/16/2022		0.0087
2/20/2023		0.0087

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	0.0028	
11/20/2007	0.012	
1/23/2008	0.046 (O)	
3/11/2008	0.0091	
5/14/2008	0.022	
12/11/2008	0.005	
4/23/2009	0.0031	
10/9/2009	0.0053	
5/4/2010	<0.005	
10/11/2010	0.0042	
4/26/2011	0.0051	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	0.0025	
4/14/2014	0.0025 (J)	
10/3/2014	0.0021 (J)	
4/1/2015	0.0026	
10/9/2015	<0.005	
3/29/2016	<0.005	
8/1/2016	<0.005	
4/6/2017	0.0005 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
8/2/2016	0.0011 (J)	
4/6/2017	0.0011 (J)	
10/3/2017	0.0012 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	0.00099 (J)	
9/13/2019	0.00061 (J)	
3/12/2020	0.00078 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	0.0009 (J)	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.003	
3/30/2016	<0.005	
8/2/2016	<0.005	
4/6/2017	0.0003 (J)	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	<0.005 (D)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.002 (J)	
6/18/2015	0.0025 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
8/2/2016	<0.005	
4/7/2017	0.0007 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.0006 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	0.0046	
11/1/2007	0.0057	
11/19/2007	0.014 (J)	
1/15/2008	0.057 (O)	
3/6/2008	0.046 (O)	
5/13/2008	0.0069	
12/12/2008	0.0061	
4/16/2009	0.0067 (J)	
10/13/2009	0.0054	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0029	
4/9/2014	0.0025 (J)	
9/30/2014	<0.01	
4/2/2015	0.0016 (J)	
10/10/2015	0.00295 (D)	
3/30/2016	0.00202 (J)	
8/5/2016	<0.01	
4/6/2017	0.001 (J)	
10/3/2017	0.0007 (J)	
3/20/2018	0.00097 (J)	
9/18/2018	<0.01 (D)	
3/21/2019	0.001 (J)	
9/16/2019	0.00062 (J)	
3/12/2020	0.0011 (J)	
9/17/2020	<0.01	
3/18/2021	0.001 (J)	
8/10/2021	0.001 (J)	
2/2/2022		0.0011 (J)
8/17/2022		0.0011 (J)
2/21/2023		0.001 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	0.00216 (J)	
7/29/2016	0.001 (J)	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	0.0016 (J)	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	0.0021 (J)	
9/15/2020	<0.005	
3/17/2021	0.0045 (J)	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		0.0014 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/16/2021	0.0021 (J)	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.00236 (J)	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	<0.005	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	0.0055	
4/4/2016	0.00286 (J)	
5/31/2016	0.00303 (J)	
8/4/2016	0.005 (J)	
9/29/2016	0.0074 (J)	
11/28/2016	0.0073 (J)	
2/9/2017	0.0067 (J)	
4/12/2017	0.0048 (J)	
6/16/2017	0.007 (J)	
10/9/2017	0.0048 (J)	
3/21/2018	0.0021 (J)	
9/19/2018	0.0019 (J)	
3/23/2019	<0.005	
9/18/2019	0.0018 (J)	
3/13/2020	0.0019 (J)	
9/22/2020	<0.005	
3/18/2021	0.0021 (J)	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005	
2/22/2017	0.0014 (J)	
4/11/2017	0.0024 (J)	
6/16/2017	<0.005	
7/12/2017	0.0019 (J)	
7/28/2017	<0.005	
8/10/2017	0.0019 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	<0.005	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/16/2009	<0.005	
10/20/2009	<0.005	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.0016 (J)	
9/21/2020	<0.005	
3/18/2021	0.0016 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	0.0016 (J)	
2/10/2017	<0.005	
4/12/2017	<0.005	
6/15/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.00622 (J)	
5/16/2016	0.0021 (J)	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	0.0033 (J)	
6/5/2017	0.0068 (J)	
9/26/2017	0.0037 (J)	
3/15/2018	0.0031 (J)	
9/12/2018	<0.005	
3/14/2019	0.0042 (J)	
9/11/2019	0.0021 (J)	
3/10/2020	0.0063 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	0.0036 (J)	
1/31/2022		0.0018 (J)
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	0.0009 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
6/7/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.005	
5/17/2016	<0.005	
7/27/2016	0.0009 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/23/2017	<0.005	
3/28/2017	<0.005	
6/8/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/11/2019	<0.005 (D)	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	0.015 (O)	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	0.0054	
4/11/2013	0.0072	
10/16/2013	<0.005	
4/23/2014	0.0067	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	0.0019 (J)	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	0.0038 (J)	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	0.0089	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	<0.005	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	0.00388 (J)	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0012 (JD)	
2/21/2017	<0.005	
3/27/2017	<0.005 (D)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
3/9/2020	<0.005	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	<0.005	
4/14/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	0.0025 (J)	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
8/1/2016	0.0004 (J)	
4/7/2017	0.0005 (J)	
10/2/2017	0.0006 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	0.00045 (J)	
3/11/2020	0.00039 (J)	
9/16/2020	0.00042 (J)	
3/17/2021	0.00044 (J)	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.0025	
4/23/2009	<0.0025	
10/6/2009	0.0048	
5/3/2010	<0.0025	
10/11/2010	<0.0025	
4/27/2011	0.004	
10/19/2011	<0.0025	
5/1/2012	<0.0025	
10/2/2012	<0.0025	
4/10/2013	<0.0025	
10/16/2013	0.0034	
4/22/2014	0.0034	
10/1/2014	0.0012 (J)	
3/30/2015	0.003	
10/11/2015	0.0018 (J)	
3/28/2016	0.0022 (J)	
8/1/2016	0.0016 (J)	
4/3/2017	0.0022 (J)	
10/2/2017	0.0021 (J)	
3/16/2018	0.0023 (J)	
9/18/2018	0.0017 (J)	
3/19/2019	0.0017 (J)	
9/12/2019	0.0028 (J)	
3/11/2020	0.0013 (J)	
9/15/2020	0.0012 (J)	
3/17/2021	0.0026 (J)	
8/9/2021	0.0015 (J)	
2/2/2022		0.0012 (J)
8/17/2022		0.0021 (J)
2/16/2023		0.0011 (J)

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/16/2008	<0.005	
3/5/2008	0.0046	
5/13/2008	<0.005	
12/13/2008	<0.005	
4/16/2009	<0.005	
10/21/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	<0.005	
4/1/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/11/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005 (D)	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/2/2022		<0.005
8/18/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	<0.005	
4/29/2009	0.0026	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	<0.005	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0099	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	<0.01	
10/16/2013	<0.01	
4/11/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0067	
10/13/2015	<0.01	
3/22/2016	0.00214 (J)	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019	<0.01	
9/12/2019	<0.01	
3/11/2020	<0.01	
9/15/2020	<0.01	
3/16/2021	<0.01	
8/9/2021	<0.01	
2/1/2022		<0.01
8/16/2022		<0.01
2/16/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	0.0051	
1/31/2008	<0.01	
3/11/2008	0.0032	
5/6/2008	<0.01	
12/4/2008	0.016 (O)	
4/21/2009	0.005	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	0.0025	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	<0.01	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0016 (J)	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019	<0.01	
9/12/2019	<0.01 (D)	
3/11/2020	<0.01	
9/15/2020	<0.01	
3/17/2021	<0.01	
8/9/2021	<0.01	
2/1/2022		<0.01
8/16/2022		<0.01
2/16/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	<0.01	
1/31/2008	0.0078	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/4/2008	<0.01	
4/21/2009	0.0036	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	0.005 (J)	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019	<0.01	
9/13/2019	0.001 (J)	
3/11/2020	0.00084 (J)	
9/15/2020	<0.01	
3/16/2021	<0.01	
8/9/2021	<0.01	
2/1/2022		<0.01
8/16/2022		<0.01
2/16/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.01 (D)	
7/27/2016	0.002 (JD)	
2/21/2017	<0.01	
3/27/2017	<0.01 (D)	
9/29/2017	<0.01 (D)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019	<0.01	
3/9/2020	<0.01	
9/16/2020	<0.01	
3/16/2021	<0.01	
8/6/2021	<0.01	
2/2/2022		<0.01
8/16/2022		<0.01
2/14/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.01	
11/2/2007	<0.01	
11/18/2007	0.0046	
1/31/2008	<0.01	
3/11/2008	<0.01	
5/14/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/8/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/21/2011	<0.01	
10/13/2011	<0.01	
5/1/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	<0.01	
10/4/2014	<0.01	
3/31/2015	0.0023 (J)	
10/12/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019	<0.01	
9/13/2019	<0.01	
3/11/2020	<0.01	
3/29/2021	<0.01	
8/9/2021	<0.01	
2/2/2022		<0.01
8/16/2022		<0.01
2/17/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.00204 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019	<0.01	
9/11/2019	<0.01	
3/9/2020	<0.01	
9/11/2020	<0.01	
3/11/2021	<0.01	
8/6/2021	<0.01	
1/31/2022		<0.01
8/11/2022		<0.01
2/14/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00202 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
9/22/2017	<0.01	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/13/2019	<0.01	
9/11/2019	<0.01	
3/9/2020	0.00074 (J)	
9/14/2020	<0.01	
3/11/2021	<0.01	
8/5/2021	<0.01	
1/31/2022		<0.01
8/10/2022		<0.01
2/13/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.01	
10/3/2017	<0.01 (D)	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019	<0.01 (D)	
9/12/2019	0.00084 (JD)	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/16/2021	<0.01	
8/10/2021	<0.01	
2/3/2022		<0.01
8/17/2022		<0.01
2/17/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.01	
4/23/2009	0.0065	
10/6/2009	0.0026	
5/3/2010	0.0028	
10/11/2010	0.0035	
4/27/2011	0.0047	
10/19/2011	<0.01	
5/1/2012	<0.01	
10/2/2012	<0.01	
4/10/2013	<0.01	
10/16/2013	<0.01	
4/22/2014	0.005 (J)	
10/1/2014	<0.01	
3/30/2015	0.0032 (J)	
10/11/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019	<0.01	
9/12/2019	<0.01	
3/11/2020	<0.01	
9/15/2020	<0.01	
3/17/2021	<0.01	
8/9/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/16/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.01	
11/1/2007	<0.01	
11/20/2007	0.0034	
1/30/2008	0.005	
3/6/2008	0.0032	
5/12/2008	<0.01	
12/13/2008	0.0082	
4/29/2009	<0.01	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/15/2013	<0.01	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01	
3/31/2016	<0.01	
8/5/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019	<0.01	
9/17/2019	<0.01	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/18/2021	<0.01	
8/10/2021	<0.01	
2/4/2022		<0.01
8/17/2022		<0.01
2/20/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	0.0029	
12/14/2008	0.0026	
4/29/2009	<0.01	
10/22/2009	0.0026	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/11/2015	<0.01	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019	<0.01	
9/17/2019	<0.01	
3/12/2020	<0.01	
9/21/2020	<0.01	
3/19/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/18/2022		<0.01
2/20/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.0047	
5/7/2008	0.003	
12/14/2008	0.0056	
4/29/2009	0.018 (O)	
10/22/2009	0.0079	
4/21/2010	0.0075	
9/29/2010	0.0065	
4/13/2011	0.004	
10/4/2011	0.0054	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	0.005 (J)	
10/2/2014	<0.01	
4/1/2015	0.0067	
10/11/2015	0.0049 (J)	
4/4/2016	0.00251 (J)	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0015 (J)	
3/22/2018	<0.01	
9/18/2018	0.0022 (J)	
3/23/2019	<0.01	
9/17/2019	<0.01	
3/12/2020	<0.01	
9/21/2020	<0.01	
3/19/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/18/2022		<0.01
2/20/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/16/2008	0.0071	
3/5/2008	0.0031	
5/13/2008	<0.01	
12/13/2008	<0.01	
4/16/2009	0.0037	
10/21/2009	0.0047	
4/27/2010	0.0082	
10/5/2010	<0.01	
4/19/2011	0.0036	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/9/2013	<0.01	
4/1/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/14/2015	0.0022 (J)	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/11/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019	<0.01	
9/17/2019	<0.01 (D)	
3/12/2020	<0.01	
9/21/2020	<0.01	
3/19/2021	<0.01	
8/11/2021	<0.01	
2/2/2022		<0.01
8/18/2022		<0.01
2/21/2023		0.0034 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0035	
1/31/2008	0.0039	
3/5/2008	<0.01	
5/12/2008	0.0064	
12/13/2008	0.02 (O)	
4/28/2009	0.0039	
10/21/2009	0.0037	
4/28/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	0.0025	
10/18/2011	0.0037	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	0.005 (J)	
10/1/2014	<0.01	
4/1/2015	0.0019 (J)	
10/15/2015	<0.01	
4/4/2016	0.00211 (J)	
8/4/2016	<0.01	
4/12/2017	0.0016 (J)	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	0.0022 (J)	
3/23/2019	<0.01	
9/18/2019	<0.01	
3/13/2020	0.002 (J)	
9/22/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	0.0021 (J)	
2/17/2022		<0.01
8/18/2022		<0.01
2/22/2023		0.0019 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.01	
11/1/2007	0.0048	
11/19/2007	0.0054	
1/31/2008	0.003	
3/5/2008	<0.01	
5/7/2008	0.0041	
12/12/2008	0.023 (O)	
4/29/2009	0.006	
10/21/2009	0.022 (O)	
4/28/2010	0.011	
10/6/2010	0.0064	
4/20/2011	0.0046	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	0.005 (J)	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019	<0.01	
9/18/2019	<0.01	
3/17/2020	<0.01	
9/22/2020	<0.01	
3/19/2021	<0.01	
8/12/2021	<0.01	
2/4/2022		<0.01
8/19/2022		<0.01
2/22/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.012	
11/2/2007	<0.01	
11/17/2007	0.0043	
1/15/2008	0.0037	
3/5/2008	0.0049	
5/7/2008	<0.01	
12/2/2008	0.0097	
4/16/2009	0.0061	
10/20/2009	0.0092	
4/20/2010	<0.01	
9/29/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	0.005 (J)	
9/30/2014	<0.01	
4/3/2015	0.001 (J)	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/9/2016	<0.01	
4/11/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019	<0.01	
9/17/2019	<0.01	
3/13/2020	<0.01	
9/21/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/18/2022		<0.01
2/22/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	<0.01	
1/15/2008	<0.01	
3/6/2008	<0.01	
5/7/2008	<0.01	
12/2/2008	<0.01	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	<0.01	
10/4/2010	<0.01	
4/18/2011	<0.01	
10/12/2011	<0.01	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019	<0.01	
9/17/2019	<0.01	
3/13/2020	0.00077 (J)	
9/21/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/19/2022		<0.01
2/22/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.0027	
11/2/2007	0.012	
11/18/2007	0.016 (J)	
1/15/2008	0.018	
3/10/2008	0.014	
5/13/2008	0.013	
12/2/2008	0.016	
4/28/2009	0.016	
10/20/2009	0.021	
4/27/2010	0.012	
10/5/2010	0.011	
4/19/2011	0.012	
10/12/2011	0.0031	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	0.005 (J)	
9/30/2014	<0.01	
4/3/2015	0.0016 (J)	
10/6/2015	0.002 (J)	
4/5/2016	0.00233 (J)	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019	<0.01	
9/17/2019	<0.01	
3/13/2020	0.00095 (J)	
9/21/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	<0.01	
2/7/2022		<0.01
8/19/2022		<0.01
2/22/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01 (D)	
7/25/2016	0.0022 (JD)	
9/19/2016	<0.01 (D)	
11/4/2016	<0.01 (D)	
1/23/2017	<0.01 (D)	
3/29/2017	<0.01 (D)	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019	<0.01 (D)	
9/11/2019	<0.01 (D)	
3/10/2020	<0.01	
9/11/2020	<0.01	
3/11/2021	<0.01	
8/6/2021	<0.01	
2/1/2022		<0.01
8/12/2022		<0.01
2/14/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	<0.01	
9/20/2016	<0.01	
11/4/2016	<0.01	
1/20/2017	<0.01	
3/29/2017	<0.01	
9/27/2017	<0.01	
3/16/2018	<0.01	
9/13/2018	<0.01	
3/19/2019	<0.01	
9/11/2019	<0.01	
3/9/2020	0.00075 (J)	
9/15/2020	<0.01	
3/11/2021	<0.01	
8/5/2021	<0.01	
2/1/2022		<0.01
8/15/2022		<0.01
2/14/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0032	
10/25/2007	<0.01	
11/19/2007	<0.01	
1/23/2008	<0.01	
3/11/2008	<0.01	
5/12/2008	<0.01	
12/11/2008	<0.01	
4/15/2009	<0.01	
10/9/2009	<0.01	
5/4/2010	<0.01	
10/12/2010	<0.01	
4/28/2011	<0.01	
10/19/2011	<0.01	
5/2/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	<0.01	
10/3/2014	0.00097 (J)	
3/31/2015	0.00096 (J)	
10/12/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019	<0.01	
9/16/2019	<0.01	
3/16/2020	<0.01	
9/16/2020	<0.01	
3/17/2021	<0.01	
8/9/2021	<0.01	
2/2/2022		<0.01
8/16/2022		<0.01
2/20/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	<0.01	
11/20/2007	<0.01	
1/23/2008	0.007	
3/11/2008	0.0033	
5/14/2008	0.0043	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	0.0043	
5/4/2010	0.0027	
10/11/2010	0.0034	
4/26/2011	<0.01	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	<0.01	
10/8/2013	<0.01	
4/14/2014	0.005 (J)	
10/3/2014	0.0016 (J)	
4/1/2015	0.0021 (J)	
10/9/2015	<0.01	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019	<0.01	
9/16/2019	<0.01	
3/12/2020	<0.01	
9/16/2020	<0.01	
3/17/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/17/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/10/2014	0.005 (J)	
10/2/2014	<0.01	
4/3/2015	<0.01	
10/8/2015	0.0056	
3/30/2016	<0.01	
8/2/2016	<0.01	
4/6/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019	<0.01	
9/16/2019	<0.01 (D)	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/17/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/21/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.01	
6/18/2015	0.005 (D)	
7/2/2015	<0.01	
10/8/2015	<0.01	
3/22/2016	<0.01	
8/2/2016	<0.01	
4/7/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019	<0.01	
9/16/2019	<0.01	
3/16/2020	<0.01	
9/17/2020	<0.01	
3/18/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/20/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0052	
1/15/2008	0.0065	
3/6/2008	0.0028	
5/13/2008	<0.01	
12/12/2008	<0.01	
4/16/2009	0.0033	
10/13/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/9/2014	<0.01	
9/30/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	0.0032 (JD)	
3/30/2016	<0.01	
8/5/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019	<0.01	
9/16/2019	<0.01	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/18/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/21/2023		0.003 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	0.032 (O)	
10/23/2007	0.0099	
11/18/2007	0.0095 (J)	
1/30/2008	0.022 (O)	
3/10/2008	0.014	
5/13/2008	0.0075	
12/5/2008	0.0056 (J)	
4/15/2009	0.0033	
10/7/2009	0.061 (O)	
5/3/2010	0.0033	
10/12/2010	0.0041	
4/27/2011	<0.02	
10/17/2011	0.0046	
5/2/2012	<0.02	
10/8/2012	0.0053	
4/12/2013	0.006	
10/16/2013	0.0048	
4/11/2014	0.0033	
9/30/2014	0.002 (J)	
3/30/2015	0.012	
10/13/2015	0.011	
3/22/2016	0.00346 (J)	
7/29/2016	<0.02	
3/30/2017	<0.02	
10/2/2017	<0.02	
3/16/2018	<0.02	
9/17/2018	<0.02 (D)	
3/20/2019	<0.02	
9/12/2019	0.0047 (J)	
3/11/2020	0.0035 (J)	
9/15/2020	<0.02	
3/16/2021	0.0091 (J)	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	0.0033	
10/24/2007	0.043 (O)	
11/18/2007	0.024	
1/31/2008	0.015	
3/11/2008	0.027	
5/6/2008	0.0032	
12/4/2008	0.081 (O)	
4/21/2009	0.0057	
10/7/2009	<0.02	
4/26/2010	<0.02	
10/4/2010	0.0057	
4/13/2011	<0.02	
10/5/2011	<0.02	
4/11/2012	<0.02	
10/9/2012	<0.02	
4/15/2013	0.0038	
10/15/2013	0.0044	
4/22/2014	0.0025 (J)	
9/30/2014	0.00076 (J)	
3/30/2015	0.0024 (J)	
10/13/2015	0.0017 (J)	
3/23/2016	<0.02	
7/29/2016	<0.02	
3/30/2017	<0.02	
10/2/2017	<0.02	
3/19/2018	<0.02	
9/14/2018	<0.02	
3/20/2019	<0.02	
9/12/2019	0.00505 (JD)	
3/11/2020	0.0028 (J)	
9/15/2020	<0.02	
3/17/2021	<0.02	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	0.0079	
10/24/2007	<0.02	
11/18/2007	0.015	
1/31/2008	0.063 (O)	
3/10/2008	0.013 (J)	
5/13/2008	0.0072	
12/4/2008	0.011 (J)	
4/21/2009	0.0041	
10/8/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.0081	
4/12/2011	0.0025	
10/4/2011	0.0027	
4/3/2012	<0.02	
10/9/2012	0.0064	
4/11/2013	<0.02	
10/16/2013	<0.02	
4/10/2014	0.0026	
9/30/2014	0.0012 (J)	
3/30/2015	0.013	
10/13/2015	0.0043	
3/23/2016	<0.02	
7/29/2016	<0.02	
4/3/2017	<0.02	
10/2/2017	<0.02	
3/16/2018	<0.02	
9/14/2018	<0.02	
3/19/2019	<0.02	
9/13/2019	0.0078 (J)	
3/11/2020	0.0038 (J)	
9/15/2020	<0.02	
3/16/2021	<0.02	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.02 (D)	
7/27/2016	<0.02 (*)	
2/21/2017	0.0049 (J)	
3/27/2017	<0.02 (*)	
9/29/2017	0.0012 (JD)	
3/16/2018	0.0042 (J)	
9/14/2018	<0.02	
3/14/2019	0.0035 (J)	
3/9/2020	0.009 (J)	
9/16/2020	<0.02	
3/16/2021	<0.02	
8/6/2021	<0.02	
2/2/2022		<0.02
8/16/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.02	
5/11/2016	0.00467 (J)	
7/19/2016	<0.02 (*)	
9/15/2016	0.0044 (J)	
11/2/2016	0.0043 (J)	
1/18/2017	<0.02 (*)	
3/28/2017	<0.02 (*)	
9/26/2017	0.0029 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/15/2019	0.0023 (J)	
9/9/2019	0.0047 (J)	
3/9/2020	0.0035 (J)	
9/10/2020	<0.02	
3/12/2021	0.0065 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/10/2022		<0.02
2/13/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.066	
11/2/2007	0.055	
11/18/2007	0.13	
1/31/2008	0.13	
3/11/2008	0.07	
5/14/2008	0.12	
12/5/2008	0.088	
4/15/2009	0.068	
10/8/2009	0.075	
4/28/2010	0.071	
10/6/2010	0.074	
4/21/2011	0.047	
10/13/2011	0.073	
5/1/2012	0.0652	
10/9/2012	0.061	
4/11/2013	0.053	
10/16/2013	0.047	
4/23/2014	0.041	
10/4/2014	0.044 (V)	
3/31/2015	0.12	
10/12/2015	0.053	
3/23/2016	0.0532	
7/29/2016	0.0446	
3/30/2017	0.0479	
10/4/2017	0.0429	
3/19/2018	<0.02	
9/17/2018	0.04	
3/20/2019	0.028	
9/13/2019	0.036	
3/11/2020	0.031	
3/29/2021	<0.02	
8/9/2021	<0.02	
2/2/2022		<0.02
8/16/2022		<0.02
2/17/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.02	
5/11/2016	<0.02	
7/21/2016	<0.02 (*)	
9/15/2016	<0.02	
11/3/2016	<0.02	
1/17/2017	<0.02	
3/24/2017	<0.02 (*)	
9/26/2017	0.0019 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/13/2019	<0.02	
9/9/2019	0.0058 (J)	
3/9/2020	0.002 (J)	
9/11/2020	<0.02	
3/10/2021	<0.02	
8/4/2021	<0.02	
1/31/2022		<0.02
8/12/2022		<0.02
2/13/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.02	
5/12/2016	<0.02	
7/20/2016	<0.02	
9/15/2016	0.0027 (J)	
11/3/2016	<0.02	
1/18/2017	<0.02 (*)	
3/24/2017	<0.02 (*)	
9/25/2017	<0.02	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/14/2019	<0.02	
9/10/2019	0.00745 (JD)	
3/6/2020	0.0027 (J)	
9/10/2020	<0.02	
3/11/2021	<0.02	
8/4/2021	<0.02	
1/31/2022		<0.02
8/11/2022		<0.02
2/13/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	0.00286 (J)	
5/13/2016	<0.02	
7/21/2016	<0.02 (*)	
9/21/2016	<0.02	
11/3/2016	<0.02	
1/17/2017	<0.02	
3/27/2017	<0.02 (*)	
9/25/2017	0.0023 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/14/2019	0.0021 (J)	
9/10/2019	0.0075 (J)	
3/9/2020	0.0024 (J)	
9/10/2020	<0.02	
3/10/2021	<0.02	
8/4/2021	<0.02	
1/31/2022		<0.02
8/11/2022		<0.02
2/13/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.00862 (J)	
5/16/2016	0.00744 (J)	
7/22/2016	<0.02 (*)	
9/19/2016	0.0162	
11/3/2016	0.011	
1/17/2017	0.0104	
3/27/2017	<0.02 (*)	
9/26/2017	0.0094 (J)	
3/14/2018	<0.02	
9/14/2018	<0.02	
3/14/2019	0.01	
9/10/2019	0.014	
3/6/2020	0.012	
9/10/2020	0.0073 (J)	
3/11/2021	0.0089 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/10/2022		0.0089 (J)
2/13/2023		0.011 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.0093 (J)	
5/13/2016	0.00336 (J)	
7/19/2016	<0.02 (*)	
9/16/2016	0.0023 (J)	
11/2/2016	0.0047 (J)	
1/18/2017	<0.02	
3/28/2017	<0.02 (*)	
9/22/2017	0.0013 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/13/2019	0.0022 (J)	
9/11/2019	0.0065 (J)	
3/9/2020	0.002 (J)	
9/11/2020	<0.02	
3/11/2021	<0.02	
8/6/2021	<0.02	
1/31/2022		<0.02
8/11/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00722 (J)	
5/13/2016	0.00666 (J)	
7/19/2016	<0.02 (*)	
9/16/2016	<0.02	
11/2/2016	0.0057 (J)	
1/18/2017	0.0022 (J)	
3/28/2017	<0.02	
9/22/2017	0.0014 (J)	
3/15/2018	<0.02	
9/12/2018	<0.02	
3/13/2019	0.0023 (J)	
9/11/2019	0.0053 (J)	
3/9/2020	0.0022 (J)	
9/14/2020	<0.02	
3/11/2021	<0.02	
8/5/2021	<0.02	
1/31/2022		<0.02
8/10/2022		<0.02
2/13/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.02	
10/3/2017	<0.02 (D)	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/21/2019	0.0034 (JD)	
9/12/2019	0.0072 (JD)	
3/12/2020	0.0027 (J)	
9/17/2020	0.0047 (J)	
3/16/2021	<0.02	
8/10/2021	<0.02	
2/3/2022		<0.02
8/17/2022		<0.02
2/17/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.048 (O)	
4/23/2009	0.0075	
10/6/2009	0.0075	
4/27/2010	0.0051	
9/30/2010	0.0089	
4/14/2011	0.0043	
10/5/2011	0.0051	
4/11/2012	<0.02	
10/2/2012	0.006	
4/9/2013	0.0034	
10/15/2013	0.0042	
4/10/2014	0.0035	
10/1/2014	0.0019 (J)	
3/30/2015	0.0032	
10/11/2015	0.0048	
3/28/2016	0.00282 (J)	
8/1/2016	<0.02	
4/7/2017	<0.02	
10/2/2017	0.0015 (J)	
3/16/2018	<0.02	
9/17/2018	<0.02	
3/19/2019	<0.02	
9/13/2019	0.0061 (J)	
3/11/2020	0.0025 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.013 (J)	
4/23/2009	0.075 (O)	
10/6/2009	0.056 (O)	
5/3/2010	0.051 (O)	
10/11/2010	0.016	
4/27/2011	0.025 (O)	
10/19/2011	0.0078	
5/1/2012	0.0134	
10/2/2012	0.012	
4/10/2013	0.018	
10/16/2013	0.015	
4/22/2014	0.015	
10/1/2014	0.0038	
3/30/2015	0.0097	
10/11/2015	0.0024 (J)	
3/28/2016	0.00703 (J)	
8/1/2016	<0.02	
4/3/2017	<0.02	
10/2/2017	0.0016 (J)	
3/16/2018	<0.02	
9/18/2018	<0.02	
3/19/2019	<0.02	
9/12/2019	0.0058 (J)	
3/11/2020	0.0033 (J)	
9/15/2020	<0.02	
3/17/2021	<0.02	
8/9/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/16/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.031	
11/1/2007	0.0041	
11/20/2007	0.056	
1/30/2008	0.032	
3/6/2008	0.03	
5/12/2008	0.008	
12/13/2008	0.056	
4/29/2009	0.057	
10/20/2009	0.0037	
4/26/2010	<0.02	
9/29/2010	0.012	
4/13/2011	<0.02	
10/5/2011	0.0031	
4/4/2012	<0.02	
10/3/2012	0.0085	
4/3/2013	0.0061	
10/15/2013	0.008	
4/9/2014	0.0048	
10/2/2014	0.0023 (JV)	
4/2/2015	0.0023 (J)	
10/10/2015	0.0024 (J)	
3/31/2016	<0.02	
8/5/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0012 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0052 (J)	
3/12/2020	0.0024 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/10/2021	<0.02	
2/4/2022		<0.02
8/17/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.0066	
11/1/2007	0.0086	
11/20/2007	0.005	
1/30/2008	0.0084	
3/6/2008	0.0073	
5/8/2008	0.0084	
12/14/2008	0.0075 (J)	
4/29/2009	0.0028	
10/21/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.005	
4/12/2011	<0.02	
10/4/2011	0.0088	
4/3/2012	<0.02	
10/8/2012	0.0034	
4/3/2013	<0.02	
10/15/2013	0.0027	
4/9/2014	0.0025 (J)	
10/2/2014	0.0027 (V)	
4/2/2015	0.002 (J)	
10/12/2015	<0.02	
3/31/2016	0.00266 (J)	
8/3/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	<0.02	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0048 (J)	
3/12/2020	0.0027 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.02	
11/1/2007	<0.02	
11/18/2007	<0.02	
1/30/2008	<0.02	
3/5/2008	<0.02	
5/7/2008	0.015	
12/14/2008	0.0086 (J)	
4/29/2009	0.0037	
10/22/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.0042	
4/12/2011	<0.02	
10/4/2011	0.012	
4/3/2012	<0.02	
10/3/2012	<0.02	
4/3/2013	<0.02	
10/9/2013	<0.02	
4/2/2014	0.0063	
10/2/2014	0.0023 (J)	
4/1/2015	0.0017 (J)	
10/11/2015	0.0016 (J)	
4/4/2016	<0.02	
8/3/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0014 (J)	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/23/2019	<0.02	
9/17/2019	0.0056 (J)	
3/12/2020	0.0038 (J)	
9/21/2020	<0.02	
3/19/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.02	
11/1/2007	<0.02	
11/18/2007	<0.02	
1/30/2008	<0.02	
3/6/2008	0.0038	
5/7/2008	<0.02	
12/14/2008	0.0031 (J)	
4/29/2009	0.0031	
10/22/2009	0.0029	
4/21/2010	0.0027	
9/29/2010	<0.02	
4/13/2011	<0.02	
10/4/2011	0.003	
4/4/2012	<0.02	
10/3/2012	0.0029	
4/3/2013	0.0035	
10/9/2013	<0.02	
4/2/2014	0.0033	
10/2/2014	0.0027	
4/1/2015	0.013	
10/11/2015	0.017	
4/4/2016	0.00419 (J)	
8/4/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0014 (J)	
3/22/2018	<0.02	
9/18/2018	<0.02	
3/23/2019	<0.02	
9/17/2019	0.0075 (J)	
3/12/2020	0.0053 (J)	
9/21/2020	0.0037 (J)	
3/19/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	0.036	
11/1/2007	0.0041	
11/19/2007	0.015	
1/16/2008	0.074	
3/5/2008	0.055	
5/13/2008	0.035	
12/13/2008	0.012 (J)	
4/16/2009	0.053	
10/21/2009	0.0063	
4/27/2010	0.045	
10/5/2010	0.0047	
4/19/2011	0.0068	
10/12/2011	0.0048	
4/24/2012	<0.02	
10/2/2012	<0.02	
4/2/2013	0.0081	
10/9/2013	0.0032	
4/1/2014	0.0025 (J)	
10/2/2014	0.0023 (J)	
4/1/2015	0.0035	
10/14/2015	0.0066	
4/4/2016	0.00858 (J)	
8/3/2016	<0.02	
4/11/2017	<0.02	
10/4/2017	0.0104	
3/22/2018	0.014	
9/18/2018	0.013	
3/23/2019	0.012	
9/17/2019	0.018 (D)	
3/12/2020	0.015	
9/21/2020	0.0065 (J)	
3/19/2021	0.0076 (J)	
8/11/2021	0.011 (J)	
2/2/2022		0.019 (J)
8/18/2022		0.014 (J)
2/21/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.0064	
11/1/2007	<0.02	
11/19/2007	0.015	
1/31/2008	0.032 (O)	
3/5/2008	0.0061	
5/12/2008	0.012	
12/13/2008	0.087 (O)	
4/28/2009	0.067 (O)	
10/21/2009	0.025 (O)	
4/28/2010	0.014	
10/5/2010	0.012	
4/19/2011	0.012	
10/18/2011	0.025	
4/25/2012	0.014	
10/2/2012	0.0089	
4/2/2013	0.0082	
10/8/2013	0.015	
4/1/2014	0.0074	
10/1/2014	0.00077 (J)	
4/1/2015	0.0082	
10/15/2015	0.0082	
4/4/2016	0.00818 (J)	
8/4/2016	<0.02	
4/12/2017	<0.02	
10/9/2017	<0.02	
3/21/2018	<0.02	
9/19/2018	<0.02	
3/23/2019	0.021	
9/18/2019	0.007 (J)	
3/13/2020	0.0043 (J)	
9/22/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/17/2022		<0.02
8/18/2022		<0.02
2/22/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.02	
11/1/2007	0.0038	
11/19/2007	0.0055	
1/31/2008	0.0063	
3/5/2008	0.0037	
5/7/2008	0.0033	
12/12/2008	0.097 (O)	
4/29/2009	0.068 (O)	
10/21/2009	0.011	
4/28/2010	0.048 (O)	
10/6/2010	0.003	
4/20/2011	0.0038	
10/12/2011	0.0027	
4/25/2012	<0.02	
10/2/2012	0.0059	
4/2/2013	0.008	
10/8/2013	0.0062	
4/1/2014	0.0067	
10/1/2014	0.0024 (J)	
3/31/2015	0.0046	
10/14/2015	0.002 (J)	
4/4/2016	<0.02	
4/11/2017	<0.02	
10/6/2017	<0.02	
3/23/2018	<0.02	
9/20/2018	<0.02	
3/22/2019	0.0048 (J)	
9/18/2019	0.0091 (X)	
3/17/2020	0.0057 (J)	
9/22/2020	<0.02	
3/19/2021	<0.02	
8/12/2021	<0.02	
2/4/2022		<0.02
8/19/2022		<0.02
2/22/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.0036 (J)	
11/2/2007	0.0026 (J)	
11/17/2007	0.024 (O)	
1/15/2008	0.0074	
3/5/2008	0.075 (O)	
5/7/2008	0.0088	
12/2/2008	0.11 (O)	
4/16/2009	0.091 (O)	
10/20/2009	0.056 (O)	
4/20/2010	0.014	
9/29/2010	0.015	
4/12/2011	0.0028	
10/4/2011	0.0025	
4/4/2012	0.0105	
10/10/2012	0.0033	
4/15/2013	0.0031	
10/22/2013	<0.02	
4/21/2014	0.0032	
9/30/2014	0.0015 (J)	
4/3/2015	0.0015 (J)	
10/7/2015	<0.02	
4/5/2016	<0.02	
8/9/2016	0.0016 (J)	
4/11/2017	<0.02	
10/5/2017	0.0024 (J)	
3/22/2018	<0.02	
9/19/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0057 (X)	
3/13/2020	0.0028 (J)	
9/21/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/22/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.0038	
11/2/2007	0.0025	
11/17/2007	0.023 (O)	
1/15/2008	0.012	
3/6/2008	0.0069	
5/7/2008	0.007	
12/2/2008	0.021 (O)	
4/28/2009	0.0055	
10/19/2009	0.0051	
4/27/2010	0.0068	
10/4/2010	0.0074	
4/18/2011	0.0031	
10/12/2011	0.0067	
4/23/2012	<0.02	
10/10/2012	0.0046	
4/15/2013	0.006	
10/22/2013	0.0037	
4/21/2014	0.0073	
9/30/2014	0.0027	
4/3/2015	0.0017 (J)	
10/7/2015	0.0042	
4/5/2016	0.00573 (J)	
8/4/2016	<0.02	
4/12/2017	<0.02	
10/6/2017	0.0024 (J)	
3/23/2018	<0.02	
9/19/2018	<0.02	
3/25/2019	0.0039 (J)	
9/17/2019	0.0066 (J)	
3/13/2020	0.0057 (J)	
9/21/2020	0.0036 (J)	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/19/2022		<0.02
2/22/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.052 (O)	
11/2/2007	0.01 (J)	
11/18/2007	0.025 (J)	
1/15/2008	0.055 (O)	
3/10/2008	0.018	
5/13/2008	0.0044	
12/2/2008	0.065 (O)	
4/28/2009	0.0037 (J)	
10/20/2009	0.0043	
4/27/2010	<0.02	
10/5/2010	0.0028	
4/19/2011	<0.02	
10/12/2011	<0.02	
4/25/2012	<0.02	
10/10/2012	<0.02	
4/16/2013	0.005	
10/22/2013	0.0028	
4/21/2014	0.0028	
9/30/2014	0.0018 (J)	
4/3/2015	0.0021 (J)	
10/6/2015	<0.02	
4/5/2016	0.00288 (J)	
4/11/2017	<0.02	
10/6/2017	<0.02	
3/23/2018	<0.02	
9/19/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0048 (X)	
3/13/2020	0.0026 (J)	
9/21/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/7/2022		<0.02
8/19/2022		<0.02
2/22/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.00424 (J)	
5/16/2016	0.00345 (J)	
7/25/2016	<0.02 (*)	
9/19/2016	0.004 (J)	
11/3/2016	0.0047 (J)	
1/19/2017	0.0035 (J)	
3/28/2017	<0.02 (*)	
9/26/2017	0.0039 (J)	
3/15/2018	<0.02	
9/12/2018	<0.02	
3/14/2019	0.0039 (J)	
9/11/2019	0.0068 (J)	
3/10/2020	0.0049 (J)	
9/15/2020	0.0062 (J)	
3/11/2021	0.004 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.00244 (J)	
5/16/2016	<0.02 (D)	
7/25/2016	0.006 (J*D)	
9/19/2016	0.0061 (JD)	
11/4/2016	0.0032 (JD)	
1/23/2017	0.0031 (JD)	
3/29/2017	0.00615 (*JD)	
9/27/2017	0.0048 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/14/2019	<0.02 (D)	
9/11/2019	0.0065 (JD)	
3/10/2020	0.0031 (J)	
9/11/2020	<0.02	
3/11/2021	<0.02	
8/6/2021	<0.02	
2/1/2022		<0.02
8/12/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.00697 (J)	
5/16/2016	0.00452 (JD)	
7/25/2016	0.0065 (*JD)	
9/19/2016	0.0034 (JD)	
11/3/2016	0.0039 (JD)	
1/20/2017	0.0023 (JD)	
3/29/2017	0.00705 (*JD)	
9/27/2017	0.0036 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/14/2019	0.0022 (JD)	
9/11/2019	0.0058 (JD)	
3/10/2020	0.0035 (J)	
9/11/2020	<0.02	
3/11/2021	<0.02	
8/6/2021	<0.02	
2/1/2022		<0.02
8/12/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	0.00337 (J)	
5/17/2016	0.00268 (J)	
7/26/2016	<0.02 (*)	
9/20/2016	0.0058 (J)	
11/4/2016	0.0029 (J)	
1/20/2017	<0.02	
3/28/2017	<0.02 (*)	
9/29/2017	0.0016 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/18/2019	<0.02	
9/11/2019	0.0055 (J)	
3/10/2020	0.0029 (J)	
9/14/2020	<0.02	
3/11/2021	<0.02	
8/5/2021	<0.02	
1/31/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.027	
5/18/2016	0.0277	
7/27/2016	0.0221	
9/20/2016	0.03	
11/7/2016	0.0202	
1/23/2017	0.0156	
3/29/2017	<0.036 (*)	
9/27/2017	0.0196	
12/28/2017	0.0315 (Y)	
3/15/2018	<0.036	
9/13/2018	0.031	
3/15/2019	0.051	
9/12/2019	0.035	
3/9/2020	0.044	
9/14/2020	0.032	
3/11/2021	0.047	
8/5/2021	0.037	
2/1/2022		0.038
8/15/2022		0.027 (J)
2/14/2023		0.05

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.0154	
5/18/2016	0.0136	
7/27/2016	0.0153	
9/20/2016	0.0173	
11/4/2016	0.0149	
1/20/2017	0.0134	
3/29/2017	<0.01 (*)	
9/27/2017	0.0111	
3/16/2018	0.012	
9/13/2018	<0.01	
3/19/2019	0.016	
9/11/2019	0.028	
3/9/2020	0.032	
9/15/2020	0.028	
3/11/2021	0.028	
8/5/2021	0.024	
2/1/2022		0.029
8/15/2022		0.04
2/14/2023		0.031

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00618 (J)	
5/17/2016	0.00672 (J)	
7/27/2016	<0.02 (*)	
9/20/2016	0.0081 (J)	
11/4/2016	0.0071 (J)	
1/23/2017	<0.02	
3/28/2017	<0.02 (*)	
9/29/2017	0.0055 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/15/2019	0.0058 (J)	
9/11/2019	0.011 (D)	
3/9/2020	0.0079 (J)	
9/14/2020	0.0076 (J)	
3/11/2021	0.0088 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/15/2022		0.0094 (J)
2/14/2023		0.011 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.02	
5/18/2016	<0.02	
7/27/2016	<0.02 (*)	
9/21/2016	<0.02	
11/4/2016	<0.02	
1/24/2017	<0.02	
3/29/2017	<0.02 (*)	
9/29/2017	<0.02	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/18/2019	<0.02	
9/11/2019	0.005 (J)	
3/11/2020	0.0036 (J)	
9/11/2020	<0.02	
3/15/2021	<0.02	
8/11/2021	<0.02	
2/1/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.02	
5/18/2016	0.00208 (J)	
7/28/2016	<0.02 (*)	
9/21/2016	0.0079 (J)	
11/7/2016	<0.02 (*)	
1/24/2017	0.0053 (J)	
3/30/2017	<0.02 (*)	
9/29/2017	0.004 (J)	
3/15/2018	<0.02	
9/14/2018	<0.02	
3/19/2019	0.0034 (J)	
9/11/2019	0.0085 (J)	
3/9/2020	0.0047 (J)	
9/14/2020	0.0042 (J)	
3/15/2021	<0.02	
8/5/2021	<0.02	
2/1/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.016	
10/25/2007	0.061	
11/19/2007	0.053	
1/23/2008	0.14	
3/11/2008	0.13	
5/12/2008	0.11	
12/11/2008	0.04 (J)	
4/15/2009	0.11	
10/9/2009	0.15	
5/4/2010	0.077	
10/12/2010	0.077	
4/28/2011	0.032	
10/19/2011	0.11	
5/2/2012	0.138	
10/9/2012	0.097	
4/11/2013	0.047	
10/16/2013	0.098	
4/23/2014	0.066	
10/3/2014	0.13 (V)	
3/31/2015	0.05	
10/12/2015	0.048	
3/28/2016	0.0534	
8/1/2016	0.055	
4/3/2017	0.0436	
10/3/2017	0.0393	
3/19/2018	<0.034	
9/17/2018	0.03	
3/20/2019	0.032	
9/16/2019	0.035	
3/16/2020	0.047	
9/16/2020	0.033	
3/17/2021	0.027	
8/9/2021	0.036	
2/2/2022		0.034
8/16/2022		0.03
2/20/2023		0.032

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	0.04 (O)	
10/25/2007	0.0062	
11/20/2007	0.03 (O)	
1/23/2008	0.048 (O)	
3/11/2008	0.016	
5/14/2008	0.02	
12/11/2008	0.021	
4/23/2009	0.0058 (J)	
10/9/2009	0.055 (O)	
5/4/2010	0.045 (O)	
10/11/2010	0.015	
4/26/2011	0.0067	
10/18/2011	0.0055	
5/2/2012	<0.02	
10/8/2012	0.0043	
4/10/2013	0.0067	
10/8/2013	0.0091	
4/14/2014	0.0063	
10/3/2014	0.0065 (V)	
4/1/2015	0.0059	
10/9/2015	<0.02	
3/29/2016	<0.02	
8/1/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	<0.02	
3/19/2018	<0.02	
9/17/2018	<0.02	
3/21/2019	<0.02	
9/16/2019	0.0058 (J)	
3/12/2020	0.0042 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/17/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	0.0035	
6/18/2015	0.0025 (D)	
7/2/2015	0.0018 (J)	
10/9/2015	0.0019 (J)	
3/29/2016	0.00345 (J)	
8/1/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	0.0014 (J)	
3/20/2018	<0.02	
9/17/2018	<0.02	
3/21/2019	<0.02	
9/16/2019	0.0057 (J)	
3/12/2020	0.0032 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/17/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
8/2/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	<0.02	
3/20/2018	<0.02	
9/18/2018	<0.02	
3/21/2019	<0.02	
9/13/2019	0.0053 (J)	
3/12/2020	0.0031 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	0.0032	
4/30/2012	<0.02	
10/3/2012	0.0034	
4/8/2013	0.0039	
10/9/2013	0.0078	
4/10/2014	0.0064	
10/2/2014	0.0009 (JV)	
4/3/2015	<0.02	
10/8/2015	0.013	
3/30/2016	0.00323 (J)	
8/2/2016	<0.02	
4/6/2017	<0.02	
10/4/2017	<0.02	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/27/2019	<0.02	
9/16/2019	0.00525 (JD)	
3/12/2020	0.002 (J)	
9/17/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/21/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.0017 (J)	
6/18/2015	0.0052 (D)	
7/2/2015	0.0027	
10/8/2015	<0.02	
3/22/2016	0.00459 (J)	
8/2/2016	<0.02	
4/7/2017	<0.02	
10/3/2017	0.0022 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02	
5/6/2019	0.0024 (J)	
9/16/2019	0.0065 (J)	
3/16/2020	0.0073 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	0.011	
11/1/2007	0.012	
11/19/2007	0.026 (J)	
1/15/2008	0.075 (O)	
3/6/2008	0.051 (O)	
5/13/2008	0.0084	
12/12/2008	0.077 (O)	
4/16/2009	0.064 (O)	
10/13/2009	0.013	
4/21/2010	0.0035	
9/29/2010	0.0085	
4/13/2011	0.0028	
10/5/2011	0.0038	
4/4/2012	0.0126	
10/8/2012	0.0043	
4/8/2013	0.0068	
10/9/2013	0.0082	
4/9/2014	0.0043	
9/30/2014	0.0029	
4/2/2015	0.0056	
10/10/2015	0.0065 (D)	
3/30/2016	0.00487 (J)	
8/5/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	0.0023 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02 (D)	
3/21/2019	0.0024 (J)	
9/16/2019	0.0062 (J)	
3/12/2020	0.0045 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/21/2023		<0.02

FIGURE E.

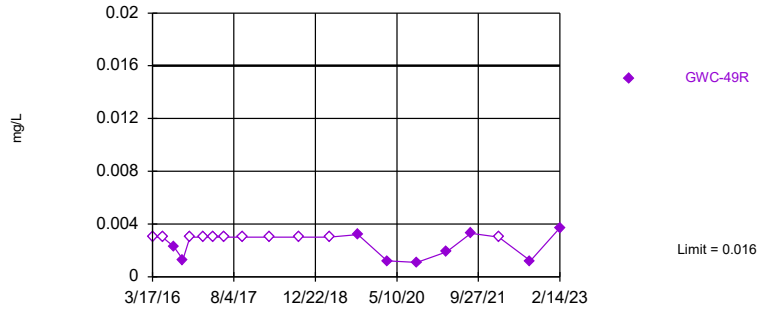
Appendix I Interwell Prediction Limits - Two-Step - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-49R	0.016	n/a	2/14/2023	0.0037	No	409	n/a	n/a	70.17	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.015	n/a	2/14/2023	0.0058	No	400	n/a	n/a	79	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.051	n/a	2/14/2023	0.0054	No	362	n/a	n/a	58.01	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.053	n/a	2/14/2023	0.0058	No	356	n/a	n/a	54.78	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

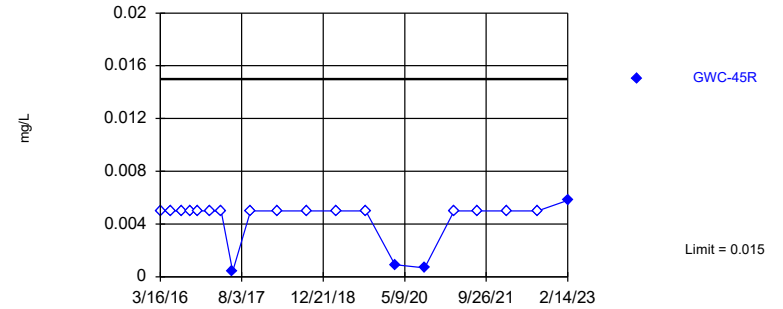


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 409 background values. 70.17% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Antimony Analysis Run 3/27/2023 2:28 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric

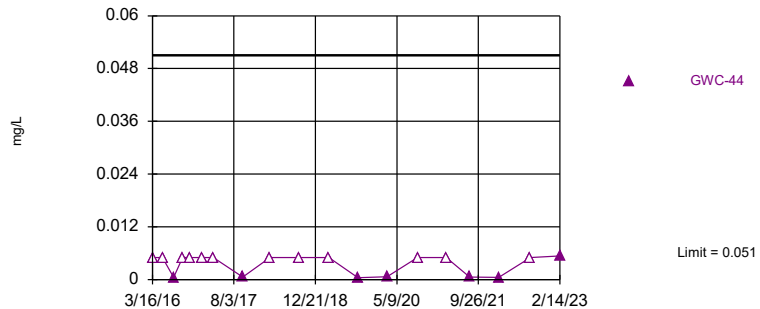


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 400 background values. 79% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Chromium Analysis Run 3/27/2023 2:28 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric

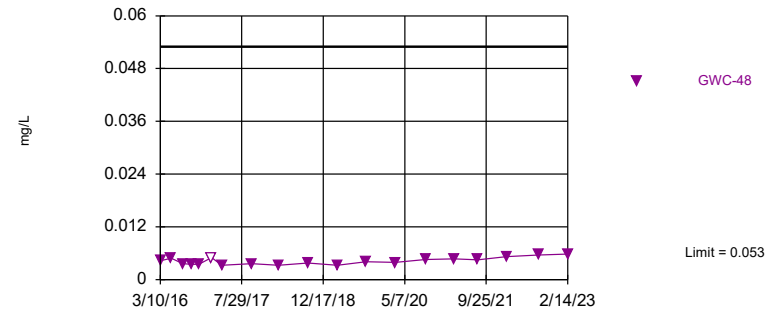


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 362 background values. 58.01% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Copper Analysis Run 3/27/2023 2:28 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 356 background values. 54.78% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Nickel Analysis Run 3/27/2023 2:28 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
8/23/2007	<0.003	<0.003	<0.003	<0.003					
10/23/2007	<0.003								
10/24/2007			<0.003	<0.003					
11/2/2007		<0.003							
11/18/2007	<0.003	<0.003	<0.003	<0.003					
1/30/2008	<0.003								
1/31/2008		<0.003	<0.003	<0.003					
3/10/2008	<0.003				<0.003				
3/11/2008		<0.003	<0.003						
5/6/2008			<0.003						
5/13/2008	<0.003			<0.003					
5/14/2008		<0.003							
12/4/2008			<0.003	<0.003					
12/5/2008	<0.003	<0.003							
12/12/2008					<0.003	<0.003			
4/15/2009	<0.003	<0.003							
4/21/2009			<0.003	<0.003					
4/23/2009					<0.003	<0.003			
10/6/2009					<0.003	<0.003			
10/7/2009	<0.003		<0.003						
10/8/2009		<0.003		<0.003					
4/21/2010				<0.003					
4/26/2010			<0.003						
4/27/2010					<0.003				
4/28/2010		<0.003							
5/3/2010	<0.003							<0.003	
9/28/2010				<0.003					
9/30/2010					<0.003				
10/4/2010			<0.003						
10/6/2010		<0.003							
10/11/2010								<0.003	
10/12/2010	<0.003								
4/12/2011				<0.003					
4/13/2011			<0.003						
4/14/2011					<0.003				
4/21/2011		<0.003							
4/27/2011	<0.003							<0.003	
10/4/2011				<0.003					
10/5/2011			<0.003		<0.003				
10/13/2011		<0.003							
10/17/2011	0.0054								
10/19/2011								<0.003	
4/3/2012				0.0053					
4/11/2012			<0.003		<0.003				
5/1/2012		<0.003						<0.003	
5/2/2012	<0.003								
10/2/2012					<0.003	<0.003			
10/8/2012	<0.003								
10/9/2012		<0.003	<0.003	<0.003					
4/9/2013					<0.003				
4/10/2013								<0.003	
4/11/2013		<0.003		0.0075					

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
4/12/2013	0.0058								
4/15/2013			<0.003						
10/15/2013			<0.003		<0.003				
10/16/2013	0.01	<0.003		<0.003		<0.003			
4/10/2014				0.0081	<0.003				
4/11/2014	0.005 (J)								
4/22/2014			<0.003			<0.003			
4/23/2014		<0.003							
9/30/2014	0.0068		<0.003	0.0022 (J)					
10/1/2014					<0.003	<0.003			
10/4/2014		0.0031 (J)							
3/30/2015	0.0074		<0.003	0.011	<0.003	<0.003			
3/31/2015		0.0068							
10/11/2015					<0.003	<0.003			
10/12/2015		<0.003							
10/13/2015	0.017 (O)		<0.003	0.0045 (J)					
3/11/2016							<0.003	<0.003	<0.003
3/14/2016									
3/15/2016									
3/17/2016									
3/22/2016	0.00567								
3/23/2016		0.0035	<0.003	0.00281 (J)					
3/28/2016					0.00139 (J)	<0.003			
5/11/2016									
5/12/2016									
5/13/2016								<0.003	<0.003
5/16/2016							<0.003		
5/18/2016									
5/19/2016	0.00319			0.00264 (J)					
5/20/2016			<0.003						
5/23/2016		<0.003			0.000677 (J)				
5/25/2016						<0.003			
7/19/2016								<0.003	<0.003 (*)
7/20/2016									
7/21/2016									
7/22/2016							0.002 (J)		
7/27/2016									
7/29/2016	0.0025 (J)	0.0029 (J)	<0.003	0.0069					
8/1/2016					<0.003	<0.003			
9/15/2016									
9/16/2016								<0.003	<0.003
9/19/2016							<0.003		
9/21/2016									
9/22/2016		0.0041		0.0066					
9/23/2016	0.0051		<0.003						
9/26/2016					<0.003	<0.003			
11/2/2016								<0.003	<0.003
11/3/2016							<0.003		
11/4/2016									
11/9/2016	0.0097 (J)		<0.003						
11/10/2016		0.0048 (J)		<0.003	<0.003				
11/11/2016						<0.003			

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
1/17/2017							<0.003		
1/18/2017								0.0013 (J)	<0.003
1/24/2017									
1/30/2017	0.0032				<0.003	<0.003			
1/31/2017		<0.003	<0.003	0.0064					
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017							<0.003		
3/28/2017								<0.003	<0.003
3/29/2017									
3/30/2017	0.0028 (J)	0.001 (J)	<0.003						
4/3/2017				0.0049		<0.003			
4/7/2017					<0.003				
5/24/2017									
6/6/2017								0.0007 (J)	<0.003
6/7/2017							<0.003		
6/8/2017									
6/9/2017	<0.003			<0.003					
6/12/2017		<0.003	<0.003		<0.003	<0.003			
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017								0.0012 (J)	<0.003
9/25/2017									
9/26/2017							<0.003		
9/29/2017									
10/2/2017	0.0014 (J)		<0.003	0.0045	<0.003	<0.003			
10/3/2017									
10/4/2017		0.0009 (J)							
3/14/2018							<0.003		<0.003
3/15/2018								<0.003	
3/16/2018	0.0014 (J)			0.021 (O)	<0.003	<0.003			
3/19/2018		0.0019 (J)	<0.003						
3/21/2018									
9/12/2018								<0.003	<0.003
9/13/2018									
9/14/2018			<0.003	0.0054			<0.003		
9/17/2018	0.00105 (JD)	0.0011 (J)			<0.003				
9/18/2018						<0.003			
3/13/2019								<0.003	<0.003
3/14/2019							<0.003		
3/15/2019									
3/18/2019									
3/19/2019				0.0019 (J)	<0.003	<0.003			
3/20/2019	<0.003	0.0019 (J)	<0.003						
3/21/2019									

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
9/9/2019									
9/10/2019							<0.003		
9/11/2019								0.00029 (J)	<0.003
9/12/2019	0.0037		<0.003 (D)			<0.003			
9/13/2019		0.0013 (J)		0.0044	<0.003				
3/6/2020							<0.003		
3/9/2020								0.00037 (J)	0.00062 (J)
3/11/2020	0.00079 (J)	0.0045	<0.003	0.002 (J)	0.0005 (J)	<0.003			
3/12/2020									
9/10/2020							<0.003		
9/11/2020									<0.003
9/14/2020								<0.003	
9/15/2020	0.0061		<0.003	0.0037			0.00048 (J)		
9/16/2020					<0.003				
9/17/2020									
3/10/2021									
3/11/2021							<0.003	0.00074 (J)	<0.003
3/12/2021									
3/15/2021									
3/16/2021	0.0014 (J)			0.005					
3/17/2021			<0.003		<0.003	<0.003			
3/29/2021		<0.003							
8/4/2021							<0.003		
8/5/2021								<0.003	
8/6/2021									<0.003
8/9/2021	0.0027 (J)	<0.003	<0.003	0.0033	<0.003	<0.003			
8/10/2021									
8/11/2021									
1/31/2022							<0.003	<0.003	<0.003
2/1/2022	0.0028 (J)		<0.003	0.0029 (J)	0.0015 (J)				
2/2/2022		<0.003				<0.003			
2/3/2022									
8/10/2022							<0.003	<0.003	
8/11/2022									<0.003
8/12/2022									
8/15/2022									
8/16/2022	0.0084	<0.003	<0.003	0.002 (J)	<0.003				
8/17/2022						<0.003			
2/13/2023							<0.003	<0.003	
2/14/2023									<0.003
2/16/2023	0.016		<0.003	0.0048	<0.003	<0.003			
2/17/2023		<0.003							

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-39Z (bg) GWA-40 (bg) GWA-41 (bg) GWA-41R (bg) GWC-49R GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-49R	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/11/2016							
3/14/2016	<0.003						
3/15/2016		<0.003	<0.003	<0.003			
3/17/2016					<0.003		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016	0.000839 (J)	<0.003					
5/12/2016			<0.003				
5/13/2016				<0.003			
5/16/2016						<0.003 (D)	
5/18/2016					<0.003		
5/19/2016							
5/20/2016							
5/23/2016							
5/25/2016							
7/19/2016	0.0024 (J)						
7/20/2016			<0.003				
7/21/2016		<0.003		<0.003 (*)			
7/22/2016							
7/27/2016					0.0023 (J)	0.0003 (JD)	
7/29/2016							
8/1/2016							
9/15/2016	0.0009 (J)	<0.003	<0.003				
9/16/2016							
9/19/2016							
9/21/2016				<0.003	0.0013 (J)		
9/22/2016							
9/23/2016							
9/26/2016							
11/2/2016	0.001 (J)						
11/3/2016		0.0021 (J)	<0.003	<0.003			
11/4/2016					<0.003		
11/9/2016							
11/10/2016							
11/11/2016							

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-49R	GWA-39RZ (bg)	GWA-4RZ (bg)
1/17/2017		<0.003		<0.003			
1/18/2017	0.0017 (J)		<0.003				
1/24/2017					<0.003		
1/30/2017							
1/31/2017							
2/21/2017						0.0057	
2/22/2017							0.0018 (J)
3/24/2017		<0.003	<0.003				
3/27/2017				0.0008 (J)		0.0013 (JD)	
3/28/2017	0.0006 (J)						
3/29/2017					<0.003		
3/30/2017							
4/3/2017							
4/7/2017							0.0008 (J)
5/24/2017		<0.003					
6/6/2017			<0.003	<0.003			
6/7/2017	0.0003 (J)						
6/8/2017					<0.003 (*)	<0.003 (*)	
6/9/2017							
6/12/2017							
6/14/2017							0.00205 (JD)
7/12/2017							0.0015 (JD)
7/17/2017						0.005 (D)	
7/20/2017							<0.003 (D)
7/27/2017						0.0033	
7/28/2017							<0.003
8/9/2017						0.0012 (J)	<0.003
8/24/2017							0.0007 (J)
9/22/2017							
9/25/2017			<0.003	0.0035			
9/26/2017	<0.003	<0.003					
9/29/2017					<0.003	0.0013 (JD)	
10/2/2017							
10/3/2017							<0.003 (D)
10/4/2017							
3/14/2018	<0.003	<0.003	<0.003	<0.003			
3/15/2018					<0.003		
3/16/2018						0.0078	
3/19/2018							
3/21/2018							<0.003
9/12/2018	<0.003	<0.003	<0.003	0.003			
9/13/2018					<0.003		
9/14/2018						0.0056	
9/17/2018							
9/18/2018							<0.003
3/13/2019		<0.003					
3/14/2019			<0.003	<0.003		0.014 (O)	
3/15/2019	<0.003						
3/18/2019					<0.003		
3/19/2019							
3/20/2019							
3/21/2019							<0.003 (D)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-49R	GWA-39RZ (bg)	GWA-4RZ (bg)
9/9/2019	0.00079 (J)	<0.003					
9/10/2019			<0.003 (D)	0.0029 (J)			
9/11/2019					0.0032		
9/12/2019							0.00052 (JD)
9/13/2019							
3/6/2020			<0.003				
3/9/2020	0.0011 (J)	<0.003		0.0037		0.0013 (J)	
3/11/2020					0.0012 (J)		
3/12/2020							0.0017 (J)
9/10/2020	0.0003 (J)		<0.003	0.0019 (J)			
9/11/2020		<0.003			0.0011 (J)		
9/14/2020							
9/15/2020							
9/16/2020						0.0028 (J)	
9/17/2020							0.00087 (J)
3/10/2021		<0.003		0.00037 (J)			
3/11/2021			0.00038 (J)				
3/12/2021	0.0039						
3/15/2021					0.0019 (J)		
3/16/2021						0.00041 (J)	0.00082 (J)
3/17/2021							
3/29/2021							
8/4/2021	0.00083 (J)	<0.003	<0.003	<0.003			
8/5/2021							
8/6/2021						<0.003	
8/9/2021							
8/10/2021							0.0013 (J)
8/11/2021					0.0033		
1/31/2022	<0.003	0.0014 (J)	<0.003	0.0011 (J)			
2/1/2022					<0.003		
2/2/2022						<0.003	
2/3/2022							<0.003
8/10/2022	<0.003						
8/11/2022			<0.003	<0.003			
8/12/2022		<0.003					
8/15/2022					0.0012 (J)		
8/16/2022						0.001 (J)	
8/17/2022							<0.003
2/13/2023	0.00087 (J)	<0.003	<0.003	0.0045			
2/14/2023					0.0037	0.0019 (J)	
2/16/2023							
2/17/2023							<0.003

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
8/23/2007	<0.005	0.0045	<0.005	<0.005					
10/23/2007	0.011								
10/24/2007		0.039 (O)	0.0033						
11/2/2007				0.027 (O)					
11/18/2007	0.038 (O)	0.059 (O)	0.012	0.17 (O)					
1/30/2008	0.11 (O)								
1/31/2008		0.0067	0.052 (O)	0.012					
3/10/2008	0.038 (O)		0.01						
3/11/2008		0.03 (O)		0.063 (O)					
5/6/2008		0.0062							
5/13/2008	0.012		0.0068						
5/14/2008				0.057 (O)					
12/4/2008		0.009	0.0017						
12/5/2008	<0.005			<0.005					
12/12/2008					<0.005	<0.005			
4/15/2009	<0.005			<0.005					
4/21/2009		0.0022	<0.005						
4/23/2009					<0.005	0.0031			
10/6/2009					<0.005	0.0024			
10/7/2009	0.0065	<0.005							
10/8/2009			<0.005	<0.005					
4/21/2010			<0.005						
4/26/2010		<0.005							
4/27/2010					<0.005				
4/28/2010				<0.005					
5/3/2010	<0.005							<0.005	
9/28/2010			<0.005						
9/30/2010					0.0014				
10/4/2010		<0.005							
10/6/2010				<0.005					
10/11/2010								0.0028	
10/12/2010	<0.005								
4/12/2011			<0.005						
4/13/2011		<0.005							
4/14/2011					0.0014				
4/21/2011				<0.005					
4/27/2011	<0.005							0.0041	
10/4/2011			<0.005						
10/5/2011		<0.005			<0.005				
10/13/2011				<0.005					
10/17/2011	<0.005								
10/19/2011								<0.005	
4/3/2012			<0.005						
4/11/2012		<0.005			<0.005				
5/1/2012				<0.005				<0.005	
5/2/2012	<0.005								
10/2/2012					<0.005	0.0019			
10/8/2012	<0.005								
10/9/2012		<0.005	<0.005	<0.005					
4/9/2013					<0.005				
4/10/2013						0.0027			
4/11/2013			<0.005	<0.005					

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
4/12/2013	0.0019								
4/15/2013		0.0013							
10/15/2013		0.0023			<0.005				
10/16/2013	0.0024		<0.005	0.0013		0.0029			
4/10/2014			<0.005		0.0013 (J)				
4/11/2014	0.0013 (J)								
4/22/2014		<0.005				0.0024			
4/23/2014				<0.005					
9/30/2014	<0.005	<0.005	<0.005						
10/1/2014					<0.005	<0.005			
10/4/2014				<0.005					
3/30/2015	0.0047	0.0011 (J)	<0.005		<0.005	0.0022			
3/31/2015				<0.005					
10/11/2015					<0.005	<0.005			
10/12/2015				<0.005					
10/13/2015	<0.005	<0.005	<0.005						
3/11/2016							<0.005	0.00212 (J)	<0.005
3/14/2016									
3/15/2016									
3/16/2016									
3/22/2016	<0.005								
3/23/2016		<0.005	<0.005	<0.005					
3/28/2016					<0.005	<0.005			
5/11/2016									
5/12/2016									
5/13/2016								<0.005	<0.005
5/16/2016							<0.005		
5/19/2016	<0.005		<0.005						
5/20/2016		<0.005							
5/23/2016				<0.005	<0.005				
5/25/2016						<0.005			
7/19/2016								0.0006 (J)	<0.005
7/20/2016									
7/21/2016									
7/22/2016							<0.005		
7/25/2016									
7/27/2016									
7/29/2016	<0.005	<0.005	<0.005	<0.005					
8/1/2016					<0.005	<0.005			
9/15/2016									
9/16/2016								<0.005	<0.005
9/19/2016							<0.005		
9/21/2016									
9/22/2016			<0.005	0.0013 (J)					
9/23/2016	<0.005	<0.005							
9/26/2016					<0.005	<0.005			
11/2/2016								<0.005	<0.005
11/3/2016							<0.005		
11/9/2016	0.0011 (J)	<0.005							
11/10/2016			<0.005	<0.005	<0.005				
11/11/2016						<0.005			
1/17/2017							<0.005		

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
1/18/2017								0.0014 (J)	<0.005
1/20/2017									
1/30/2017	<0.005				<0.005	<0.005			
1/31/2017		<0.005	<0.005	<0.005					
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017							<0.005		
3/28/2017								<0.005 (*)	<0.005 (*)
3/29/2017									
3/30/2017	<0.005	<0.005		<0.005					
4/3/2017			<0.005				<0.005		
4/7/2017					<0.005				
5/24/2017									
6/6/2017								0.0009 (J)	0.0004 (J)
6/7/2017							<0.005		
6/8/2017									
6/9/2017	<0.005		<0.005						
6/12/2017		0.0008 (J)		<0.005	<0.005	0.0005 (J)			
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017								0.0006 (J)	0.0008 (J)
9/25/2017									
9/26/2017							<0.005		
9/27/2017									
9/29/2017									
10/2/2017	<0.005	<0.005	<0.005		<0.005	<0.005			
10/3/2017									
10/4/2017				<0.005					
3/14/2018							<0.005		<0.005
3/15/2018								0.0017 (J)	
3/16/2018	<0.005		<0.005		<0.005	<0.005			
3/19/2018		0.0031 (J)		<0.005					
3/21/2018									
9/12/2018								<0.005	<0.005
9/13/2018									
9/14/2018		<0.005	<0.005				<0.005		
9/17/2018	<0.005 (D)			<0.005	<0.005				
9/18/2018						<0.005			
3/13/2019								<0.005	<0.005
3/14/2019							<0.005		
3/15/2019									
3/19/2019			<0.005		<0.005	<0.005			
3/20/2019	<0.005	<0.005		<0.005					
3/21/2019									
9/9/2019									

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
9/10/2019							<0.005		
9/11/2019								0.00066 (J)	0.00051 (J)
9/12/2019	<0.005	<0.005 (D)				<0.005			
9/13/2019			<0.005	0.00073 (J)	<0.005				
3/6/2020							0.00045 (J)		
3/9/2020								0.0014 (J)	0.0033 (J)
3/10/2020									
3/11/2020	0.0012 (J)	0.0025 (J)	0.0042 (J)	0.00095 (J)	0.0011 (J)	<0.005			
3/12/2020									
9/10/2020							<0.005		
9/11/2020									<0.005
9/14/2020								0.0011 (J)	
9/15/2020	<0.005	0.00086 (J)	<0.005			<0.005			
9/16/2020					<0.005				
9/17/2020									
3/10/2021									
3/11/2021							<0.005	0.0011 (J)	<0.005
3/12/2021									
3/16/2021	<0.005		<0.005						
3/17/2021		<0.005			<0.005	<0.005			
3/29/2021				0.00062 (J)					
8/4/2021							<0.005		
8/5/2021								<0.005	
8/6/2021									<0.005
8/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
8/10/2021									
1/31/2022							<0.005	0.0011 (J)	<0.005
2/1/2022	<0.005	<0.005	<0.005		<0.005				
2/2/2022				0.0069		<0.005			
2/3/2022									
8/10/2022							<0.005	<0.005	
8/11/2022									<0.005
8/12/2022									
8/16/2022	<0.005	<0.005	<0.005	<0.005	<0.005				
8/17/2022						<0.005			
2/13/2023							<0.005	<0.005	
2/14/2023									0.0016 (J)
2/16/2023	<0.005	<0.005	<0.005		<0.005	<0.005			
2/17/2023				<0.005					

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-39Z (bg) GWA-40 (bg) GWA-41 (bg) GWA-41R (bg) GWC-45R GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/11/2016							
3/14/2016	<0.005						
3/15/2016		<0.005	<0.005	<0.005			
3/16/2016					<0.005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016	<0.005	<0.005					
5/12/2016			<0.005				
5/13/2016				<0.005			
5/16/2016					<0.005 (D)	<0.005 (D)	
5/19/2016							
5/20/2016							
5/23/2016							
5/25/2016							
7/19/2016	<0.005						
7/20/2016			<0.005				
7/21/2016		<0.005		<0.005			
7/22/2016							
7/25/2016					<0.005 (D)		
7/27/2016						0.0017 (JD)	
7/29/2016							
8/1/2016							
9/15/2016	<0.005	<0.005	<0.005				
9/16/2016							
9/19/2016					<0.005 (D)		
9/21/2016				<0.005			
9/22/2016							
9/23/2016							
9/26/2016							
11/2/2016	<0.005						
11/3/2016		<0.005	<0.005	<0.005	<0.005 (D)		
11/9/2016							
11/10/2016							
11/11/2016							
1/17/2017		<0.005		<0.005			

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWA-39RZ (bg)	GWA-4RZ (bg)
1/18/2017	<0.005		<0.005				
1/20/2017					<0.005 (D)		
1/30/2017							
1/31/2017							
2/21/2017						0.001 (J)	
2/22/2017							<0.005
3/24/2017		<0.005 (*)	<0.005 (*)				
3/27/2017				<0.005		<0.005 (D)	
3/28/2017	<0.005 (*)						
3/29/2017					<0.005 (D)		
3/30/2017							
4/3/2017							
4/7/2017							<0.005
5/24/2017		0.0008 (J)					
6/6/2017			<0.005	0.0004 (J)			
6/7/2017	<0.005				0.0004 (J)		
6/8/2017						<0.005 (D)	
6/9/2017							
6/12/2017							
6/14/2017							<0.005 (D)
7/12/2017							<0.005 (D)
7/17/2017						<0.005 (D)	
7/20/2017							<0.005 (D)
7/27/2017						0.0005 (J)	
7/28/2017							<0.005
8/9/2017						0.0005 (J)	<0.005
8/24/2017							<0.005
9/22/2017							
9/25/2017			<0.005	<0.005			
9/26/2017	<0.005	0.0005 (J)					
9/27/2017					<0.005		
9/29/2017						0.0006 (JD)	
10/2/2017							
10/3/2017							<0.005 (D)
10/4/2017							
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018						<0.005	
3/19/2018							
3/21/2018							<0.005
9/12/2018	<0.005	<0.005	<0.005	<0.005			
9/13/2018					<0.005		
9/14/2018						<0.005	
9/17/2018							
9/18/2018							<0.005
3/13/2019		<0.005					
3/14/2019			<0.005	<0.005	<0.005 (D)	0.004 (J)	
3/15/2019	<0.005						
3/19/2019							
3/20/2019							
3/21/2019							<0.005 (D)
9/9/2019	<0.005	<0.005					

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWA-39RZ (bg)	GWA-4RZ (bg)
9/10/2019			<0.005 (D)	<0.005			
9/11/2019					<0.005 (D)		
9/12/2019							<0.005 (D)
9/13/2019							
3/6/2020			0.015				
3/9/2020	0.069 (o)	0.0009 (J)		0.0004 (J)		0.0016 (J)	
3/10/2020					0.00092 (J)		
3/11/2020							
3/12/2020							<0.005
9/10/2020	<0.005		<0.005	<0.005			
9/11/2020		<0.005			0.00067 (J)		
9/14/2020							
9/15/2020							
9/16/2020						0.00058 (J)	
9/17/2020							<0.005
3/10/2021		0.00075 (J)		<0.005			
3/11/2021			0.0015 (J)		<0.005		
3/12/2021	0.00064 (J)						
3/16/2021						0.0008 (J)	<0.005
3/17/2021							
3/29/2021							
8/4/2021	<0.005	<0.005	<0.005	<0.005			
8/5/2021							
8/6/2021					<0.005	<0.005	
8/9/2021							
8/10/2021							<0.005
1/31/2022	<0.005	<0.005	<0.005	<0.005			
2/1/2022					<0.005		
2/2/2022						0.0012 (J)	
2/3/2022							<0.005
8/10/2022	<0.005						
8/11/2022			<0.005	<0.005			
8/12/2022		<0.005			<0.005		
8/16/2022						<0.005	
8/17/2022							<0.005
2/13/2023	<0.005	<0.005	<0.005	<0.005			
2/14/2023					0.0058	<0.005	
2/16/2023							
2/17/2023							<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)
8/23/2007	0.0066	0.0036	0.017	<0.005					
10/23/2007	0.0076								
10/24/2007		<0.005		0.0088					
11/2/2007			0.016						
11/18/2007	0.0055 (J)	0.013	0.048	0.0075					
1/30/2008	0.0094								
1/31/2008		0.0069	0.039	<0.005					
3/10/2008	0.0056	0.0044							
3/11/2008			0.037	0.0068					
5/6/2008				<0.005					
5/13/2008	0.0027	0.0033							
5/14/2008			0.051						
12/4/2008		<0.005		0.013					
12/5/2008	<0.005		0.038						
12/12/2008					0.018	0.064 (O)			
4/15/2009	<0.005		0.033						
4/21/2009		<0.005		<0.005					
4/23/2009					0.013	0.034			
10/6/2009					0.012	0.026			
10/7/2009	0.0076			<0.005					
10/8/2009		<0.005	0.037						
4/21/2010		<0.005							
4/26/2010				<0.005					
4/27/2010					0.0095				
4/28/2010			0.037						
5/3/2010	<0.005						0.014		
9/28/2010		<0.005							
9/30/2010					0.0087				
10/4/2010				0.0027					
10/6/2010			0.041						
10/11/2010							0.014		
10/12/2010	<0.005								
4/12/2011		<0.005							
4/13/2011				0.0029					
4/14/2011					0.0061				
4/21/2011			0.034						
4/27/2011	<0.005						0.028		
10/4/2011		<0.005							
10/5/2011				<0.005	<0.005				
10/13/2011			0.048						
10/17/2011	<0.005								
10/19/2011							<0.005		
4/3/2012		<0.005							
4/11/2012				<0.005	<0.005				
5/1/2012			0.0427				0.0198		
5/2/2012	<0.005								
10/2/2012					<0.005	0.011			
10/8/2012	<0.005								
10/9/2012		<0.005	0.038	<0.005					
4/9/2013					0.0053				
4/10/2013							0.018		
4/11/2013		<0.005	0.038						

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)
4/12/2013	<0.005								
4/15/2013				<0.005					
10/15/2013				<0.005	0.0076				
10/16/2013	<0.005	<0.005	0.036			0.016			
4/10/2014		0.005 (J)			0.005				
4/11/2014	0.005 (J)								
4/22/2014				<0.005		0.014			
4/23/2014			0.03						
9/30/2014	<0.005	<0.005		<0.005					
10/1/2014					0.0047 (J)	0.0041 (J)			
10/4/2014			0.029						
3/30/2015	0.0033 (J)	<0.005		<0.005	0.0048 (J)	0.012			
3/31/2015			0.026						
10/11/2015					0.0055	0.0049 (J)			
10/12/2015			0.05						
10/13/2015	0.0013 (J)	<0.005		<0.005					
3/11/2016							<0.005	<0.005	<0.005
3/14/2016									
3/15/2016									
3/16/2016									
3/22/2016	<0.005								
3/23/2016		<0.005	0.0297	<0.005					
3/28/2016					<0.005	0.00734 (J)			
5/11/2016									
5/12/2016									
5/13/2016							<0.005		<0.005
5/16/2016								<0.005	
7/19/2016							<0.005		<0.005
7/20/2016									
7/21/2016									
7/22/2016								<0.005	
7/25/2016									
7/27/2016									
7/29/2016	<0.005	0.0006 (J)	0.0419	0.0032 (J)					
8/1/2016					0.0025 (J)	0.0049 (J)			
9/15/2016									
9/16/2016							<0.005		<0.005
9/19/2016								0.003 (J)	
9/21/2016									
11/2/2016							<0.005		<0.005
11/3/2016								<0.005	
1/17/2017								<0.005	
1/18/2017							<0.005		<0.005
1/19/2017									
2/21/2017									
3/24/2017									
3/27/2017								<0.005	
3/28/2017							<0.005 (*)		<0.005 (*)
3/30/2017	0.0004 (J)		0.0392	<0.005					
4/3/2017		0.0004 (J)				0.0023 (J)			
4/7/2017					0.003 (J)				
9/22/2017							0.0006 (J)		0.0004 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)
9/25/2017									
9/26/2017								<0.005	
9/29/2017									
10/2/2017	0.0003 (J)	0.0003 (J)		<0.005	0.0031 (J)	0.0023 (J)			
10/3/2017									
10/4/2017			0.0343						
3/14/2018								<0.005	<0.005
3/15/2018							<0.005		
3/16/2018	<0.005	<0.005			0.0037 (J)	0.0035 (J)			
3/19/2018			0.033	0.0025 (J)					
3/21/2018									
9/12/2018							<0.005		<0.005
9/14/2018		<0.005		<0.005				<0.005	
9/17/2018	<0.005 (D)		0.033		0.0028 (J)				
9/18/2018						0.0041 (J)			
3/13/2019							0.0015 (J)		<0.005
3/14/2019								<0.005	
3/15/2019									
3/19/2019		<0.005			0.0023 (J)	0.0029 (J)			
3/20/2019	<0.005		0.026	<0.005					
3/21/2019									
9/9/2019									
9/10/2019								<0.005	
9/11/2019							0.00026 (J)		0.00036 (J)
9/12/2019	<0.005			0.01273 (JD)		0.0028 (J)			
9/13/2019		0.00055 (J)	0.026		0.0023 (J)				
3/6/2020								0.00019 (J)	
3/9/2020							0.00035 (J)		0.00035 (J)
3/10/2020									
3/11/2020	<0.005	0.0011 (J)	0.027	0.0002 (J)	0.0026 (J)	0.0035 (J)			
3/12/2020									
9/10/2020								<0.005	
9/11/2020									<0.005
9/14/2020							<0.005		
9/15/2020	<0.005	<0.005		<0.005		0.0031 (J)			
9/16/2020					0.0018 (J)				
9/17/2020									
3/10/2021									
3/11/2021							<0.005	<0.005	<0.005
3/12/2021									
3/16/2021	<0.005	<0.005							
3/17/2021				<0.005	0.0019 (J)	0.0024 (J)			
3/29/2021			<0.005						
8/4/2021								<0.005	
8/5/2021							<0.005		
8/6/2021									<0.005
8/9/2021	<0.005	0.0013 (J)	<0.005	<0.005	0.0017 (J)	0.0028 (J)			
8/10/2021									
1/31/2022							<0.005	<0.005	0.0014 (J)
2/1/2022	<0.005	0.00096 (J)		<0.005	0.0017 (J)				
2/2/2022			<0.005			0.0033 (J)			
2/3/2022									

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)
8/10/2022							<0.005	<0.005	
8/11/2022									<0.005
8/12/2022									
8/15/2022									
8/16/2022	<0.005	<0.005	<0.005	<0.005	0.0014 (J)				
8/17/2022						0.0098			
2/13/2023							<0.005	<0.005	
2/14/2023									<0.005
2/16/2023	<0.005	0.0011 (J)		<0.005	0.0015 (J)	0.0028 (J)			
2/17/2023			<0.005						

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-44	GWA-39RZ (bg)	GWA-4RZ (bg)
8/23/2007							
10/23/2007							
10/24/2007							
11/2/2007							
11/18/2007							
1/30/2008							
1/31/2008							
3/10/2008							
3/11/2008							
5/6/2008							
5/13/2008							
5/14/2008							
12/4/2008							
12/5/2008							
12/12/2008							
4/15/2009							
4/21/2009							
4/23/2009							
10/6/2009							
10/7/2009							
10/8/2009							
4/21/2010							
4/26/2010							
4/27/2010							
4/28/2010							
5/3/2010							
9/28/2010							
9/30/2010							
10/4/2010							
10/6/2010							
10/11/2010							
10/12/2010							
4/12/2011							
4/13/2011							
4/14/2011							
4/21/2011							
4/27/2011							
10/4/2011							
10/5/2011							
10/13/2011							
10/17/2011							
10/19/2011							
4/3/2012							
4/11/2012							
5/1/2012							
5/2/2012							
10/2/2012							
10/8/2012							
10/9/2012							
4/9/2013							
4/10/2013							
4/11/2013							

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-44	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/11/2016							
3/14/2016	<0.005						
3/15/2016		<0.005	<0.005	<0.005			
3/16/2016					<0.005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016	<0.005			<0.005			
5/12/2016			<0.005				
5/13/2016		<0.005					
5/16/2016					<0.005	<0.005	
7/19/2016	0.0005 (J)						
7/20/2016			<0.005				
7/21/2016		0.0005 (J)		<0.005			
7/22/2016							
7/25/2016					0.0005 (J)		
7/27/2016						0.0271 (o)	
7/29/2016							
8/1/2016							
9/15/2016	<0.005		0.0007 (J)	<0.005			
9/16/2016							
9/19/2016					<0.005		
9/21/2016		<0.005					
11/2/2016	<0.005						
11/3/2016		<0.005	<0.005	<0.005	<0.005		
1/17/2017		<0.005		<0.005			
1/18/2017	<0.005		<0.005				
1/19/2017					<0.005		
2/21/2017						<0.005	
3/24/2017			<0.005	<0.005			
3/27/2017		<0.005				<0.005	
3/28/2017	<0.005 (*)				<0.005 (*)		
3/30/2017							
4/3/2017							
4/7/2017							0.0004 (J)
9/22/2017							

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-44	GWA-39RZ (bg)	GWA-4RZ (bg)
9/25/2017		0.0007 (J)	0.0003 (J)				
9/26/2017	0.0005 (J)			<0.005	0.0006 (J)		
9/29/2017						<0.005	
10/2/2017							
10/3/2017							<0.005 (D)
10/4/2017							
3/14/2018	<0.005	0.0021 (J)	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018						<0.005	
3/19/2018							
3/21/2018							<0.005
9/12/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						0.002 (J)	
9/17/2018							
9/18/2018							<0.005
3/13/2019				<0.005			
3/14/2019		0.0022 (J)	<0.005		<0.005	<0.005	
3/15/2019	<0.005						
3/19/2019							
3/20/2019							
3/21/2019							<0.005 (D)
9/9/2019	<0.005			0.0022 (J)			
9/10/2019		0.0022 (J)	0.00038 (JD)				
9/11/2019					0.00043 (J)		
9/12/2019							0.00045 (JD)
9/13/2019							
3/6/2020			0.00093 (J)				
3/9/2020	0.0007 (J)	0.0014 (J)		<0.005		0.011 (J)	
3/10/2020					0.00067 (J)		
3/11/2020							
3/12/2020							0.0002 (J)
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020							
9/15/2020					<0.005		
9/16/2020						<0.005	
9/17/2020							<0.005
3/10/2021		<0.005		<0.005			
3/11/2021			<0.005		<0.005		
3/12/2021	<0.005						
3/16/2021						<0.005	<0.005
3/17/2021							
3/29/2021							
8/4/2021	<0.005	0.0008 (J)	<0.005	<0.005	0.0006 (J)		
8/5/2021							
8/6/2021						<0.005	
8/9/2021							
8/10/2021							<0.005
1/31/2022	<0.005	0.0028 (J)	<0.005	<0.005	0.00053 (J)		
2/1/2022							
2/2/2022						<0.005	
2/3/2022							<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-44	GWA-39RZ (bg)	GWA-4RZ (bg)
8/10/2022	<0.005						
8/11/2022		<0.005	<0.005				
8/12/2022				<0.005			
8/15/2022					<0.005		
8/16/2022						<0.005	
8/17/2022							<0.005
2/13/2023	<0.005	0.0012 (J)	<0.005	<0.005			
2/14/2023					0.0054	<0.005	
2/16/2023							
2/17/2023							<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
8/23/2007	<0.005	<0.005	<0.005	0.028					
10/23/2007	0.0096								
10/24/2007		0.0025	0.026 (O)						
11/2/2007				0.041					
11/18/2007	0.023	0.0093	0.043 (O)	0.14 (O)					
1/30/2008	0.11 (O)								
1/31/2008		0.054 (O)	0.0075	0.053					
3/10/2008	0.024	0.0054							
3/11/2008			0.019	0.076 (o)					
5/6/2008			0.004						
5/13/2008	0.006	0.0043							
5/14/2008				0.074 (o)					
12/4/2008		<0.005	0.02						
12/5/2008	<0.005			0.032					
12/12/2008					0.0096	0.0035			
4/15/2009	<0.005			0.028					
4/21/2009		<0.005	<0.005						
4/23/2009					0.015	0.0032			
10/6/2009					0.008	<0.005			
10/7/2009	0.0096		<0.005						
10/8/2009		<0.005		0.032					
4/21/2010		<0.005							
4/26/2010			<0.005						
4/27/2010								<0.005	
4/28/2010				0.029					
5/3/2010	<0.005				0.0053				
9/28/2010		<0.005							
9/30/2010								<0.005	
10/4/2010			0.0025						
10/6/2010				0.031					
10/11/2010					0.0061				
10/12/2010	<0.005								
4/12/2011		<0.005							
4/13/2011			<0.005						
4/14/2011								0.0028	
4/21/2011				0.019					
4/27/2011	<0.005				0.0087				
10/4/2011		<0.005							
10/5/2011			<0.005					0.0028	
10/13/2011				0.028					
10/17/2011	<0.005								
10/19/2011					0.0039				
4/3/2012		<0.005							
4/11/2012			<0.005					<0.005	
5/1/2012				0.0253	0.0054				
5/2/2012	<0.005								
10/2/2012					0.0044	0.0026			
10/8/2012	<0.005								
10/9/2012		<0.005	<0.005	0.023					
4/9/2013								<0.005	
4/10/2013					0.0053				
4/11/2013		<0.005		0.021					

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
4/12/2013	<0.005								
4/15/2013			<0.005						
10/15/2013			0.0028			<0.005			
10/16/2013	<0.005	<0.005		0.018	0.0047				
4/10/2014		<0.005				0.0025 (J)			
4/11/2014	<0.005								
4/22/2014			<0.005		0.0045				
4/23/2014				0.015					
9/30/2014	<0.005	<0.005	<0.005						
10/1/2014					0.0018 (J)	<0.005			
10/4/2014				0.017					
3/30/2015	0.004	<0.005	0.0018 (J)		0.0037	0.0015 (J)			
3/31/2015				0.045					
10/11/2015					0.0018 (J)	0.0013 (J)			
10/12/2015				0.019					
10/13/2015	<0.005	<0.005	<0.005						
3/10/2016							0.00432 (J)		
3/11/2016								<0.005	0.00288 (J)
3/14/2016									
3/15/2016									
3/22/2016	<0.005								
3/23/2016		<0.005	<0.005	0.019					
3/28/2016					0.0028 (J)	<0.005			
5/11/2016									
5/12/2016									
5/13/2016								<0.005	<0.005
5/16/2016									
5/17/2016							0.00489 (J)		
7/19/2016								<0.005	0.0006 (J)
7/20/2016									
7/21/2016									
7/22/2016									
7/27/2016							0.0036 (J)		
7/29/2016	<0.005	<0.005	<0.005	0.0161					
8/1/2016					<0.005	<0.005			
9/15/2016									
9/16/2016								<0.005	0.0008 (J)
9/19/2016									
9/20/2016							0.0035 (J)		
9/21/2016									
11/2/2016								<0.005	0.0007 (J)
11/3/2016									
11/4/2016							0.0035 (J)		
1/17/2017									
1/18/2017								0.0006 (J)	0.0006 (J)
1/23/2017							<0.005		
2/21/2017									
3/24/2017									
3/27/2017									
3/28/2017							0.0033 (J)	<0.005 (*)	<0.005 (*)
3/30/2017	0.0004 (J)		0.0006 (J)	0.018					
4/3/2017		<0.005			0.0022 (J)				

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
4/7/2017						0.0011 (J)			
9/22/2017								<0.005	0.0007 (J)
9/25/2017									
9/26/2017									
9/29/2017							0.0036 (J)		
10/2/2017	<0.005	<0.005	<0.005		0.0021 (J)	0.0013 (J)			
10/3/2017									
10/4/2017				0.0158					
3/14/2018									<0.005
3/15/2018							0.0033 (J)	<0.005	
3/16/2018	<0.005	<0.005			0.0014 (J)	<0.005			
3/19/2018			<0.005	0.015					
3/21/2018									
9/12/2018								<0.005	<0.005
9/13/2018							0.0038 (J)		
9/14/2018		<0.005	<0.005						
9/17/2018	<0.005 (D)			0.014		0.00096 (J)			
9/18/2018					0.0012 (J)				
3/13/2019								<0.005	<0.005
3/14/2019									
3/15/2019							0.0033 (J)		
3/19/2019		<0.005			0.0016 (J)	<0.005			
3/20/2019	<0.005		<0.005	0.01					
3/21/2019									
9/9/2019									
9/10/2019									
9/11/2019							0.00405 (JD)	<0.005	0.00082 (J)
9/12/2019	0.00038 (J)		0.00518 (JD)		0.0015 (J)				
9/13/2019		<0.005		0.012		0.00063 (J)			
3/6/2020									
3/9/2020							0.0039 (J)	<0.005	0.00082 (J)
3/11/2020	0.00068 (J)	0.002 (J)	0.0014 (J)	0.012	0.001 (J)	0.00084 (J)			
3/12/2020									
9/10/2020									
9/11/2020									0.00089 (J)
9/14/2020							0.0046 (J)	<0.005	
9/15/2020	<0.005	0.0013 (J)	<0.005		0.0012 (J)				
9/16/2020						<0.005			
9/17/2020									
3/10/2021									
3/11/2021							0.0047 (J)	<0.005	<0.005
3/12/2021									
3/16/2021	<0.005	<0.005							
3/17/2021			<0.005		0.0012 (J)	<0.005			
3/29/2021				<0.005					
8/4/2021							0.0045 (J)		
8/5/2021								<0.005	
8/6/2021									0.00084 (J)
8/9/2021	<0.005	0.00081 (J)	<0.005	<0.005	0.00097 (J)	0.00077 (J)			
8/10/2021									
1/31/2022							0.0052	<0.005	0.00077 (J)
2/1/2022	<0.005	<0.005	<0.005			0.0008 (J)			

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
2/2/2022				<0.005	0.00089 (J)				
2/3/2022									
8/10/2022								<0.005	
8/11/2022									<0.005
8/12/2022									
8/15/2022							0.0056		
8/16/2022	<0.005	<0.005	<0.005	<0.005		0.00071 (J)			
8/17/2022					0.0011 (J)				
2/13/2023								<0.005	
2/14/2023							0.0058		<0.005
2/16/2023	<0.005	<0.005	<0.005		0.00081 (J)	0.00082 (J)			
2/17/2023				<0.005					

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-42 (bg) GWA-39Z (bg) GWA-41R (bg) GWA-41 (bg) GWA-40 (bg) GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/10/2016							
3/11/2016	<0.005						
3/14/2016		0.00544 (J)					
3/15/2016			<0.005	<0.005	<0.005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016		0.0149			<0.005		
5/12/2016				<0.005			
5/13/2016			<0.005				
5/16/2016	0.00233 (J)					0.0136 (D)	
5/17/2016							
7/19/2016		0.0044 (J)					
7/20/2016				0.0006 (J)			
7/21/2016			0.0009 (J)		<0.005		
7/22/2016	0.0014 (J)						
7/27/2016						0.0224 (D)	
7/29/2016							
8/1/2016							
9/15/2016		0.0047 (J)		0.0009 (J)	<0.005		
9/16/2016							
9/19/2016	0.0014 (J)						
9/20/2016							
9/21/2016			<0.005				
11/2/2016		0.0025 (J)					
11/3/2016	0.0013 (J)		<0.005	0.0011 (J)	<0.005		
11/4/2016							
1/17/2017	0.0011 (J)		<0.005		<0.005		
1/18/2017		0.004 (J)		0.0007 (J)			
1/23/2017							
2/21/2017						0.0007 (J)	
3/24/2017				<0.005 (*)	<0.005 (*)		
3/27/2017	<0.005 (*)		<0.005 (*)			<0.005 (D)	
3/28/2017		0.0034 (J)					
3/30/2017							
4/3/2017							

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
4/7/2017							<0.005
9/22/2017							
9/25/2017			0.0012 (J)	<0.005			
9/26/2017	0.0011 (J)	0.0016 (J)			<0.005		
9/29/2017						<0.005 (D)	
10/2/2017							
10/3/2017							<0.005 (D)
10/4/2017							
3/14/2018	0.0012 (J)	<0.005	0.0014 (J)	<0.005	<0.005		
3/15/2018							
3/16/2018						<0.005	
3/19/2018							
3/21/2018							<0.005
9/12/2018		<0.005	0.0011 (J)	<0.005	<0.005		
9/13/2018							
9/14/2018	0.0012 (J)					<0.005	
9/17/2018							
9/18/2018							<0.005
3/13/2019					<0.005		
3/14/2019	0.0015 (J)		0.001 (J)	<0.005		0.0017 (J)	
3/15/2019		<0.005					
3/19/2019							
3/20/2019							
3/21/2019							<0.005 (D)
9/9/2019		0.0014 (J)			<0.005		
9/10/2019	0.0012 (J)		0.00084 (J)	0.0004 (JD)			
9/11/2019							
9/12/2019							0.00032 (JD)
9/13/2019							
3/6/2020	0.0015 (J)			0.0089 (J)			
3/9/2020		0.04 (o)	0.00036 (J)		<0.005	0.00083 (J)	
3/11/2020							
3/12/2020							0.00034 (J)
9/10/2020	0.0011 (J)	<0.005	<0.005	<0.005			
9/11/2020					<0.005		
9/14/2020							
9/15/2020							
9/16/2020						<0.005	
9/17/2020							<0.005
3/10/2021			<0.005		<0.005		
3/11/2021	0.0011 (J)			<0.005			
3/12/2021		0.0015 (J)					
3/16/2021						<0.005	<0.005
3/17/2021							
3/29/2021							
8/4/2021	0.0011 (J)	<0.005	<0.005	<0.005	<0.005		
8/5/2021							
8/6/2021						<0.005	
8/9/2021							
8/10/2021							<0.005
1/31/2022	0.0011 (J)	<0.005	0.00091 (J)	<0.005	<0.005		
2/1/2022							

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
2/2/2022						<0.005	
2/3/2022							<0.005
8/10/2022	0.0016 (J)	<0.005					
8/11/2022			<0.005	0.00083 (J)			
8/12/2022					<0.005		
8/15/2022							
8/16/2022						<0.005	
8/17/2022							<0.005
2/13/2023	0.0013 (J)	0.00095 (J)	<0.005	<0.005	<0.005		
2/14/2023						<0.005	
2/16/2023							
2/17/2023							<0.005

FIGURE F.

Appendix I Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:33 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-48	0.0005	n/a	2/14/2023	0.00064	Yes	412	n/a	n/a	95.39	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

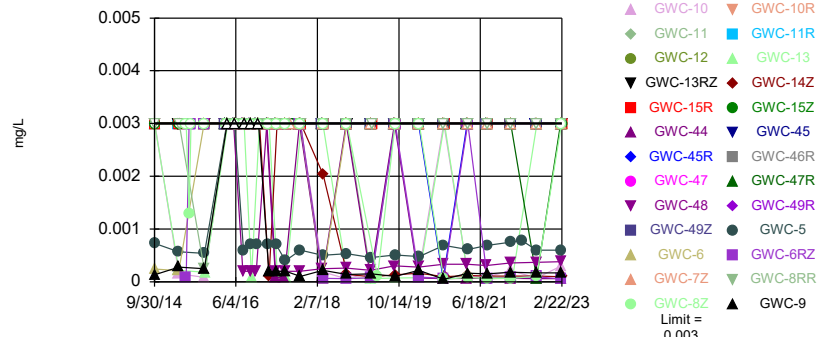
Appendix I Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:33 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	GWC-10	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-12	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13RZ	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-14Z	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15R	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15Z	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-44	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-46R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-48	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49Z	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-5	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6	0.001	n/a	2/17/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6RZ	0.001	n/a	2/17/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-7Z	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8RR	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8Z	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-9	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

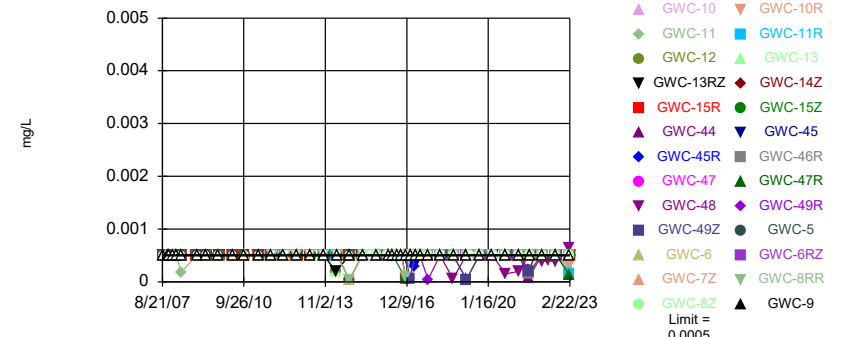


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 315 background values. 91.43% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Beryllium Analysis Run 3/27/2023 2:30 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit: GWC-48

Prediction Limit
Interwell Non-parametric

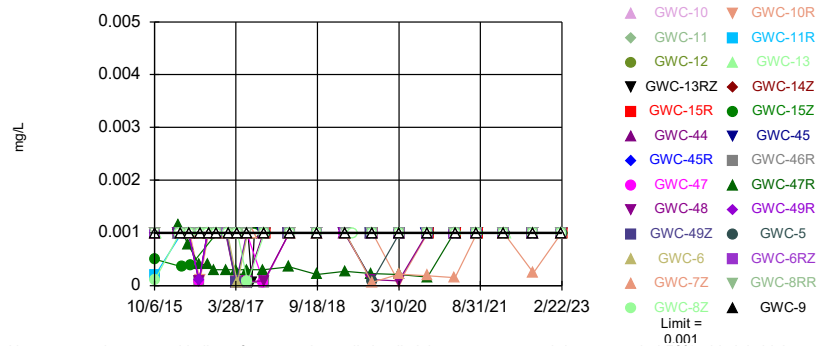


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 412 background values. 95.39% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Mercury Analysis Run 3/27/2023 2:30 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 305 background values. 95.74% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Thallium Analysis Run 3/27/2023 2:30 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-15R	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-14Z	GWA-50 (bg)	GWC-13RZ
9/30/2014	<0.003	<0.003	<0.003	<0.003	0.00013 (J)	<0.003	<0.003		
10/1/2014								<0.003	<0.003
10/2/2014									
10/3/2014									
10/4/2014									
3/30/2015	0.00029 (J)			<0.003		<0.003		<0.003	
3/31/2015									<0.003
4/1/2015									
4/2/2015					0.00028 (J)				
4/3/2015		<0.003	<0.003				<0.003		
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015			<0.003						
10/7/2015		<0.003					<0.003		
10/8/2015									
10/9/2015									
10/10/2015					0.000245 (JD)				
10/11/2015								<0.003	
10/12/2015									
10/13/2015	<0.003			<0.003		<0.003			
10/14/2015									<0.003
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016	<0.003								
3/23/2016				<0.003		<0.003			
3/28/2016								<0.003	
3/29/2016									
3/30/2016					<0.003				
3/31/2016									
4/4/2016									<0.003
4/5/2016		<0.003	<0.003				<0.003		
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016	<0.003			<0.003					
5/20/2016						<0.003			
5/23/2016								<0.003	
5/24/2016									
5/25/2016									
5/26/2016					<0.003				
5/27/2016									
5/31/2016		<0.003	<0.003						
6/1/2016							<0.003		<0.003 (D)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-15R	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-14Z	GWA-50 (bg)	GWC-13RZ
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	<0.003			<0.003		<0.003			
8/1/2016								<0.003	
8/2/2016									
8/3/2016									
8/4/2016		<0.003							
8/5/2016					<0.003				
8/9/2016							<0.003		
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016				<0.003					
9/23/2016	<0.003					<0.003			
9/26/2016								<0.003	
9/27/2016									
9/28/2016					<0.003				
9/29/2016		<0.003							
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016	<0.003					<0.003			
11/10/2016				<0.003				<0.003	
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016					<0.003				
11/22/2016									
11/23/2016		<0.003	<0.003						
11/28/2016							<0.003		
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017	<0.003							<0.003	
1/31/2017				<0.003		<0.003			
2/1/2017									
2/3/2017									
2/6/2017					0.0002 (J)				
2/7/2017									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-15R	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-14Z	GWA-50 (bg)	GWC-13RZ
2/8/2017									
2/9/2017							0.0001 (J)		
2/10/2017		<0.003	<0.003						
2/13/2017									
2/21/2017									
2/22/2017									<0.003
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	<0.003					<0.003			
4/3/2017				<0.003					
4/6/2017					0.0002 (J)				
4/7/2017								<0.003	
4/10/2017									
4/11/2017			<0.003				<0.003		<0.003
4/12/2017		<0.003							
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017	<0.003			<0.003					
6/12/2017						<0.003		<0.003	
6/13/2017					0.0002 (J)				
6/14/2017							<0.003		
6/15/2017		<0.003	<0.003						
6/16/2017									<0.003
7/12/2017			<0.003				<0.003		<0.003
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017			<0.003						
7/27/2017									
7/28/2017									<0.003
8/9/2017									
8/10/2017									<0.003
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	<0.003			<0.003		<0.003		<0.003	
10/3/2017					0.0001 (J)				
10/4/2017									
10/5/2017							<0.003		
10/6/2017		<0.003	<0.003						<0.003
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018	<0.003			<0.003				<0.003	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-15R	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-14Z	GWA-50 (bg)	GWC-13RZ
3/19/2018						<0.003			
3/20/2018					0.00022 (J)				
3/21/2018									
3/22/2018							0.00203 (JD)		
3/23/2018		<0.003	<0.003						<0.003
9/12/2018									
9/13/2018									
9/14/2018				<0.003		<0.003			
9/17/2018	<0.003 (D)							<0.003	
9/18/2018					0.00014 (JD)				
9/19/2018		<0.003	<0.003				0.00014 (J)		
9/20/2018									<0.003
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019				<0.003				<0.003	
3/20/2019	<0.003					<0.003			
3/21/2019					0.00015 (J)				
3/22/2019			<0.003				9.4E-05 (J)		<0.003
3/23/2019									
3/25/2019		<0.003							
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019	<0.003					<0.003 (D)			
9/13/2019				<0.003				<0.003	
9/16/2019					0.0001 (J)				
9/17/2019		<0.003	<0.003				0.00013 (X)		
9/18/2019									<0.003
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020	<0.003			<0.003		<0.003		<0.003	
3/12/2020					0.00022 (J)				
3/13/2020		<0.003	<0.003				0.00016 (J)		
3/16/2020									
3/17/2020									<0.003
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020	<0.003			<0.003		<0.003			
9/16/2020								<0.003	
9/17/2020					4.8E-05 (J)				
9/21/2020		<0.003	<0.003				9.5E-05 (J)		
9/22/2020									<0.003
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-15R	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-14Z	GWA-50 (bg)	GWC-13RZ
3/16/2021	<0.003			<0.003					
3/17/2021						<0.003		<0.003	
3/18/2021		<0.003	<0.003		0.00016 (J)		0.00012 (J)		
3/19/2021									<0.003
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021	<0.003			<0.003		<0.003		<0.003	
8/10/2021					0.00015 (J)				
8/11/2021		<0.003	<0.003				0.00011 (J)		
8/12/2021									<0.003
1/31/2022									
2/1/2022	<0.003			<0.003		<0.003		<0.003	
2/2/2022					0.00018 (J)				
2/3/2022									
2/4/2022		<0.003					0.00011 (J)		<0.003
2/7/2022			<0.003						
2/17/2022									
4/28/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022	<0.003			<0.003		<0.003		<0.003	
8/17/2022					0.00017 (J)				
8/18/2022							0.00011 (J)		
8/19/2022		<0.003	<0.003						<0.003
2/13/2023									
2/14/2023									
2/16/2023	<0.003			<0.003		<0.003		<0.003	
2/17/2023									
2/20/2023									
2/21/2023					0.00017 (J)				
2/22/2023		<0.003	<0.003				9.4E-05 (J)		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-13	GWC-11	GWC-8RR	GWC-10R	GWC-11R	GWC-12	GWC-10	GWC-5
9/30/2014									
10/1/2014	<0.003	<0.003							
10/2/2014			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
10/3/2014									0.00073 (J)
10/4/2014									
3/30/2015	0.0002 (J)								
3/31/2015									0.00057 (J)
4/1/2015		0.00022 (J)	<0.003			<0.003	<0.003		
4/2/2015					<0.003			0.00015 (J)	
4/3/2015				<0.003					
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015									
10/7/2015									
10/8/2015				0.00025 (J)					
10/9/2015									
10/10/2015								8.5E-05 (J)	
10/11/2015	<0.003		<0.003			<0.003			
10/12/2015					<0.003				0.00054 (J)
10/13/2015									
10/14/2015							<0.003		
10/15/2015		0.00018 (J)							
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016	<0.003								<0.003
3/29/2016									
3/30/2016				<0.003					
3/31/2016					<0.003			<0.003	
4/4/2016		<0.003	<0.003			<0.003	<0.003		
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016				<0.003					
5/25/2016	<0.003								<0.003
5/26/2016			<0.003		<0.003	<0.003		<0.003	
5/27/2016							<0.003		
5/31/2016		<0.003							
6/1/2016									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-13	GWC-11	GWC-8RR	GWC-10R	GWC-11R	GWC-12	GWC-10	GWC-5
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016	<0.003								0.0006 (J)
8/2/2016				<0.003					
8/3/2016			<0.003		<0.003		<0.003		
8/4/2016		<0.003				<0.003			
8/5/2016								<0.003	
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016									
9/23/2016									
9/26/2016	<0.003								
9/27/2016				<0.003					0.0007 (J)
9/28/2016			<0.003		<0.003	<0.003		<0.003	
9/29/2016		9E-05 (J)							
9/30/2016							<0.003		
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016	<0.003								0.0007 (J)
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
11/23/2016									
11/28/2016		<0.003							
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017	<0.003								
1/31/2017									0.0007 (J)
2/1/2017									
2/3/2017									
2/6/2017				<0.003					
2/7/2017					<0.003			<0.003	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-13	GWC-11	GWC-8RR	GWC-10R	GWC-11R	GWC-12	GWC-10	GWC-5
2/8/2017			<0.003			<0.003			
2/9/2017		<0.003							
2/10/2017									
2/13/2017							<0.003		
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017									
4/3/2017	<0.003								0.0007 (J)
4/6/2017				<0.003					
4/7/2017									
4/10/2017			<0.003		<0.003	<0.003		<0.003	
4/11/2017							<0.003		
4/12/2017		0.0001 (J)							
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017									
6/12/2017	<0.003								0.0004 (J)
6/13/2017									
6/14/2017				<0.003	<0.003		<0.003	<0.003	
6/15/2017			<0.003			<0.003			
6/16/2017		9E-05 (J)							
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	<0.003								
10/3/2017									0.0006 (J)
10/4/2017			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
10/5/2017									
10/6/2017									
10/9/2017		<0.003							
3/14/2018									
3/15/2018									
3/16/2018	<0.003								

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-13	GWC-11	GWC-8RR	GWC-10R	GWC-11R	GWC-12	GWC-10	GWC-5
3/19/2018									0.0005 (J)
3/20/2018								0.00019 (J)	
3/21/2018		<0.003	<0.003	<0.003	<0.003				
3/22/2018						<0.003	<0.003		
3/23/2018									
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018									0.00053 (J)
9/18/2018	<0.003		<0.003	<0.003	<0.003	<0.003	<0.003	5.4E-05 (J)	
9/19/2018		7E-05 (J)							
9/20/2018									
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019	<0.003								
3/20/2019									0.00046 (J)
3/21/2019									
3/22/2019					<0.003			0.00018 (J)	
3/23/2019		6.1E-05 (J)	5.7E-05 (J)			<0.003	<0.003		
3/25/2019									
3/27/2019				<0.003					
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019	<0.003								
9/13/2019									
9/16/2019				<0.003 (D)					0.00051 (J)
9/17/2019			<0.003		<0.003	<0.003	<0.003 (D)	<0.003	
9/18/2019		7.4E-05 (J)							
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020	<0.003								
3/12/2020			<0.003	<0.003	<0.003	<0.003	<0.003	0.00017 (J)	
3/13/2020		8E-05 (J)							
3/16/2020									0.00048 (J)
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020	8.5E-05 (J)								
9/16/2020									0.00069 (J)
9/17/2020				<0.003	<0.003			<0.003	
9/21/2020			<0.003			<0.003	<0.003		
9/22/2020		<0.003							
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-13	GWC-11	GWC-8RR	GWC-10R	GWC-11R	GWC-12	GWC-10	GWC-5
3/16/2021									
3/17/2021	<0.003			<0.003					0.00061
3/18/2021		7E-05 (J)			<0.003			0.0001 (J)	
3/19/2021			<0.003			<0.003	<0.003		
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021	<0.003								0.00069
8/10/2021				<0.003				9.4E-05 (J)	
8/11/2021		7.4E-05 (J)	<0.003		<0.003	<0.003	<0.003		
8/12/2021									
1/31/2022									
2/1/2022									
2/2/2022	5.5E-05 (J)			<0.003			<0.003		0.00075
2/3/2022									
2/4/2022			<0.003		<0.003	<0.003		0.00021 (J)	
2/7/2022									
2/17/2022		8.9E-05 (J)							
4/28/2022									0.00078
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022									0.0006
8/17/2022	<0.003			<0.003				7E-05 (J)	
8/18/2022		<0.003	<0.003		<0.003	<0.003	<0.003		
8/19/2022									
2/13/2023									
2/14/2023									
2/16/2023	<0.003								
2/17/2023									
2/20/2023			<0.003		<0.003	<0.003		0.0003 (J)	0.0006
2/21/2023				<0.003			<0.003		
2/22/2023		<0.003							

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWA-3A (bg)	GWC-8Z	GWC-6RZ	GWC-46R	GWC-47	GWC-48	GWC-47R	GWA-43 (bg)
9/30/2014									
10/1/2014									
10/2/2014									
10/3/2014	0.00024 (J)								
10/4/2014		<0.003							
3/30/2015									
3/31/2015		<0.003							
4/1/2015	0.00021 (J)								
4/2/2015									
4/3/2015									
5/26/2015			<0.003	8.8E-05 (J)					
6/18/2015			0.0013 (D)	<0.003 (D)					
7/2/2015			<0.003	<0.003					
10/6/2015									
10/7/2015									
10/8/2015			<0.003						
10/9/2015	<0.003			<0.003					
10/10/2015									
10/11/2015									
10/12/2015		<0.003							
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016					<0.003	<0.003	<0.003	<0.003	
3/11/2016									<0.003
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016			<0.003						
3/23/2016		<0.003							
3/28/2016									
3/29/2016	<0.003			<0.003					
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									<0.003
5/16/2016									
5/17/2016					<0.003		<0.003		
5/18/2016						<0.003		<0.003	
5/19/2016									
5/20/2016									
5/23/2016		<0.003							
5/24/2016	<0.003			<0.003					
5/25/2016			<0.003						
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWA-3A (bg)	GWC-8Z	GWC-6RZ	GWC-46R	GWC-47	GWC-48	GWC-47R	GWA-43 (bg)
7/19/2016									<0.003
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016					<0.003				
7/27/2016						<0.003	0.0002 (J)	<0.003	
7/28/2016									
7/29/2016		<0.003							
8/1/2016	<0.003			<0.003					
8/2/2016			<0.003						
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									<0.003
9/19/2016									
9/20/2016					<0.003	<0.003	0.0002 (J)	<0.003	
9/21/2016									
9/22/2016		<0.003							
9/23/2016									
9/26/2016	<0.003		<0.003	<0.003					
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									<0.003
11/3/2016									
11/4/2016					<0.003		0.0002 (J)	<0.003	
11/7/2016						<0.003			
11/9/2016									
11/10/2016		<0.003							
11/11/2016									
11/14/2016				<0.003					
11/18/2016	<0.003								
11/21/2016			<0.003						
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									<0.003
1/19/2017									
1/20/2017					<0.003			<0.003	
1/23/2017						<0.003	<0.003		
1/24/2017									
1/30/2017									
1/31/2017		<0.003							
2/1/2017	<0.003			<0.003					
2/3/2017			<0.003						
2/6/2017									
2/7/2017									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWA-3A (bg)	GWC-8Z	GWC-6RZ	GWC-46R	GWC-47	GWC-48	GWC-47R	GWA-43 (bg)
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017					<0.003		0.0002 (J)		<0.003
3/29/2017						<0.003		<0.003	
3/30/2017		<0.003							
4/3/2017									
4/6/2017	<0.003			<0.003					
4/7/2017			<0.003						
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									<0.003
6/7/2017					<0.003				
6/8/2017						<0.003	0.0002 (J)	<0.003	
6/9/2017									
6/12/2017		<0.003							
6/13/2017	<0.003		<0.003	<0.003					
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									<0.003
9/25/2017									
9/26/2017									
9/27/2017						<0.003		<0.003	
9/29/2017					<0.003		0.0002 (J)		
10/2/2017									
10/3/2017	<0.003		<0.003	<0.003					
10/4/2017		<0.003							
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018									<0.003
3/15/2018					<0.003	<0.003	0.00025 (J)		
3/16/2018								<0.003	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWA-3A (bg)	GWC-8Z	GWC-6RZ	GWC-46R	GWC-47	GWC-48	GWC-47R	GWA-43 (bg)
3/19/2018	6.6E-05 (J)	<0.003							
3/20/2018			<0.003	6.8E-05 (J)					
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018									<0.003
9/13/2018					<0.003	<0.003	0.00026 (J)	<0.003	
9/14/2018									
9/17/2018	<0.003	<0.003		5.8E-05 (J)					
9/18/2018			<0.003						
9/19/2018									
9/20/2018									
3/13/2019									<0.003
3/14/2019									
3/15/2019						<0.003	0.00022 (J)		
3/18/2019					<0.003				
3/19/2019								<0.003	
3/20/2019		<0.003							
3/21/2019	<0.003			7.6E-05 (J)					
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019			0.0001 (J)						
9/9/2019									
9/10/2019									
9/11/2019					<0.003		0.0003 (JD)	<0.003	<0.003
9/12/2019						<0.003			
9/13/2019		<0.003							
9/16/2019	<0.003		<0.003	<0.003					
9/17/2019									
9/18/2019									
3/6/2020									
3/9/2020						<0.003	0.00028 (J)	<0.003	<0.003
3/10/2020					<0.003				
3/11/2020		<0.003							
3/12/2020	<0.003			9.3E-05 (J)					
3/13/2020									
3/16/2020			<0.003						
3/17/2020									
9/10/2020									
9/11/2020									6.9E-05 (J)
9/14/2020					<0.003	<0.003	0.00033 (J)		
9/15/2020								<0.003	
9/16/2020	<0.003			6.7E-05 (J)					
9/17/2020			4.9E-05 (J)						
9/21/2020									
9/22/2020									
3/10/2021									
3/11/2021					<0.003	<0.003	0.00033 (J)	<0.003	<0.003
3/12/2021									
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWA-3A (bg)	GWC-8Z	GWC-6RZ	GWC-46R	GWC-47	GWC-48	GWC-47R	GWA-43 (bg)
3/16/2021									
3/17/2021	<0.003			<0.003					
3/18/2021			8.5E-05 (J)						
3/19/2021									
3/29/2021		<0.003							
8/4/2021							0.00031 (J)		
8/5/2021					<0.003	<0.003		<0.003	
8/6/2021									<0.003
8/9/2021		<0.003							
8/10/2021	<0.003		6.2E-05 (J)	6.1E-05 (J)					
8/11/2021									
8/12/2021									
1/31/2022					<0.003		0.00036 (J)		<0.003
2/1/2022						<0.003		<0.003	
2/2/2022	<0.003	<0.003	6.4E-05 (J)	7E-05 (J)					
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022									
8/11/2022									7.6E-05 (J)
8/12/2022									
8/15/2022					<0.003	<0.003	0.00037 (J)	6.5E-05 (J)	
8/16/2022		<0.003							
8/17/2022	<0.003		0.0001 (J)	9.8E-05 (J)					
8/18/2022									
8/19/2022									
2/13/2023									
2/14/2023					<0.003	<0.003	0.00038 (J)	<0.003	<0.003
2/16/2023									
2/17/2023	<0.003	<0.003		5.4E-05 (J)					
2/20/2023			<0.003						
2/21/2023									
2/22/2023									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWC-45	GWC-44	GWC-45R
9/30/2014									
10/1/2014									
10/2/2014									
10/3/2014									
10/4/2014									
3/30/2015									
3/31/2015									
4/1/2015									
4/2/2015									
4/3/2015									
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016	<0.003	<0.003							
3/14/2016			<0.003						
3/15/2016				<0.003	<0.003	<0.003			
3/16/2016							<0.003	<0.003	<0.003
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016			<0.003		<0.003				
5/12/2016				<0.003					
5/13/2016	<0.003					<0.003			
5/16/2016		<0.003 (O)					<0.003 (D)	<0.003	<0.003 (D)
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWC-45	GWC-44	GWC-45R
7/19/2016	<0.003		<0.003						
7/20/2016				<0.003					
7/21/2016					<0.003	<0.003			
7/22/2016		0.0002 (J)							
7/25/2016							<0.003 (D)	<0.003	<0.003 (D)
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016									
8/2/2016									
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016			<0.003	<0.003	<0.003				
9/16/2016	<0.003								
9/19/2016		0.0001 (J)					<0.003 (D)	<0.003	<0.003 (D)
9/20/2016									
9/21/2016						<0.003			
9/22/2016									
9/23/2016									
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016	<0.003		<0.003						
11/3/2016		0.0002 (J)		<0.003	<0.003	<0.003		<0.003	<0.003 (D)
11/4/2016							<0.003 (D)		
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017		0.0001 (J)			<0.003	<0.003			
1/18/2017	<0.003		<0.003	<0.003					
1/19/2017								<0.003	
1/20/2017									<0.003 (D)
1/23/2017							<0.003 (D)		
1/24/2017									
1/30/2017									
1/31/2017									
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWC-45	GWC-44	GWC-45R
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017				<0.003	<0.003				
3/27/2017		0.0001 (J)				<0.003			
3/28/2017	<0.003		<0.003					8E-05 (J)	
3/29/2017							<0.003 (D)		<0.003 (D)
3/30/2017									
4/3/2017									
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017					<0.003				
6/5/2017								9E-05 (J)	
6/6/2017	<0.003			<0.003		<0.003			
6/7/2017		0.0001 (J)	<0.003				<0.003		<0.003
6/8/2017									
6/9/2017									
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017	<0.003								
9/25/2017				<0.003		<0.003			
9/26/2017		0.0001 (J)	<0.003		<0.003			<0.003	
9/27/2017							<0.003		<0.003
9/29/2017									
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018		0.00014 (J)	<0.003	<0.003	<0.003	<0.003			
3/15/2018	5.1E-05 (J)						<0.003	7.7E-05 (J)	<0.003
3/16/2018									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWC-45	GWC-44	GWC-45R
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	<0.003		<0.003	<0.003	<0.003	<0.003		<0.003	
9/13/2018							<0.003		<0.003
9/14/2018		0.00012 (J)							
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019	<0.003				<0.003				
3/14/2019		0.00017 (J)		<0.003		5.2E-05 (J)	<0.003 (D)	7.8E-05 (J)	<0.003 (D)
3/15/2019			<0.003						
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019			<0.003		<0.003				
9/10/2019		0.00015 (J)		<0.003 (D)		<0.003			
9/11/2019	<0.003						<0.003 (D)	<0.003	<0.003 (D)
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020		0.00017 (J)		<0.003					
3/9/2020	<0.003		<0.003		<0.003	<0.003			
3/10/2020							<0.003	7.4E-05 (J)	<0.003
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020		0.00014 (J)	<0.003	<0.003		<0.003			
9/11/2020					<0.003		<0.003		5.6E-05 (J)
9/14/2020	<0.003								
9/15/2020								5.7E-05 (J)	
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021					<0.003	<0.003			
3/11/2021	<0.003	0.00015 (J)		<0.003			<0.003	6.4E-05 (J)	<0.003
3/12/2021			<0.003						
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWC-45	GWC-44	GWC-45R
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021		0.00012 (J)	<0.003	<0.003	<0.003	<0.003		6.7E-05 (J)	
8/5/2021	<0.003								
8/6/2021							<0.003		<0.003
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
1/31/2022	<0.003	0.00014 (J)	<0.003	<0.003	<0.003	<0.003		6.5E-05 (J)	
2/1/2022							<0.003		<0.003
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022	<0.003	0.00016 (J)	<0.003						
8/11/2022				<0.003		<0.003			
8/12/2022					<0.003		<0.003		<0.003
8/15/2022								5.7E-05 (J)	
8/16/2022									
8/17/2022									
8/18/2022									
8/19/2022									
2/13/2023	<0.003	0.00015 (J)	<0.003	<0.003	<0.003	<0.003			
2/14/2023							<0.003	6.2E-05 (J)	<0.003
2/16/2023									
2/17/2023									
2/20/2023									
2/21/2023									
2/22/2023									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
9/30/2014					
10/1/2014					
10/2/2014					
10/3/2014					
10/4/2014					
3/30/2015					
3/31/2015					
4/1/2015					
4/2/2015					
4/3/2015					
5/26/2015					
6/18/2015					
7/2/2015					
10/6/2015					
10/7/2015					
10/8/2015					
10/9/2015					
10/10/2015					
10/11/2015					
10/12/2015					
10/13/2015					
10/14/2015					
10/15/2015					
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016	<0.003	<0.003			
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016					
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			<0.003 (D)		
5/17/2016					
5/18/2016	<0.003	<0.003			
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016				<0.003	
6/1/2016					

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016	<0.003		0.0004 (JD)		
7/28/2016		<0.003			
7/29/2016					
8/1/2016					
8/2/2016				<0.003	
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016	<0.003	<0.003			
9/22/2016					
9/23/2016					
9/26/2016					
9/27/2016				<0.003	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016	<0.003				
11/7/2016		<0.003			
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				<0.003	
11/22/2016					
11/23/2016					
11/28/2016					
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017	<0.003	<0.003			
1/30/2017					
1/31/2017					
2/1/2017				<0.003	
2/3/2017					
2/6/2017					
2/7/2017					

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
2/8/2017					
2/9/2017					
2/10/2017					
2/13/2017					
2/21/2017			<0.003		
2/22/2017					<0.003
3/24/2017					
3/27/2017			<0.003 (D)		
3/28/2017					
3/29/2017	<0.003				
3/30/2017		<0.003			
4/3/2017					
4/6/2017				<0.003	
4/7/2017					<0.003
4/10/2017					
4/11/2017					
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017	<0.003		<0.003 (D)		
6/9/2017		<0.003			
6/12/2017					
6/13/2017				<0.003	
6/14/2017					<0.003 (D)
6/15/2017					
6/16/2017					
7/12/2017					<0.003 (D)
7/14/2017				<0.003	
7/17/2017			<0.003 (D)		
7/20/2017					<0.003 (D)
7/26/2017					
7/27/2017			<0.003		
7/28/2017					<0.003
8/9/2017			<0.003		<0.003
8/10/2017					
8/24/2017					<0.003
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	<0.003	<0.003	<0.003 (D)		
10/2/2017					
10/3/2017				<0.003	<0.003 (D)
10/4/2017					
10/5/2017					
10/6/2017					
10/9/2017					
3/14/2018					
3/15/2018	<0.003	<0.003			
3/16/2018			<0.003		

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/19/2018					
3/20/2018				<0.003	
3/21/2018					<0.003
3/22/2018					
3/23/2018					
9/12/2018					
9/13/2018	<0.003				
9/14/2018		<0.003	<0.003		
9/17/2018					
9/18/2018				<0.003	<0.003
9/19/2018					
9/20/2018					
3/13/2019					
3/14/2019			<0.003		
3/15/2019					
3/18/2019	<0.003				
3/19/2019		<0.003			
3/20/2019					
3/21/2019				<0.003	<0.003 (D)
3/22/2019					
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019	<0.003	<0.003			
9/12/2019					<0.003 (D)
9/13/2019				<0.003	
9/16/2019					
9/17/2019					
9/18/2019					
3/6/2020					
3/9/2020		<0.003	<0.003		
3/10/2020					
3/11/2020	<0.003				
3/12/2020				<0.003	<0.003
3/13/2020					
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020	<0.003				
9/14/2020		<0.003			
9/15/2020					
9/16/2020			<0.003	<0.003	
9/17/2020					<0.003
9/21/2020					
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021	<0.003	<0.003			

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/16/2021			<0.003		<0.003
3/17/2021				<0.003	
3/18/2021					
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021		<0.003			
8/6/2021			<0.003		
8/9/2021					
8/10/2021				<0.003	<0.003
8/11/2021	<0.003				
8/12/2021					
1/31/2022					
2/1/2022	<0.003	<0.003			
2/2/2022			<0.003	<0.003	
2/3/2022					<0.003
2/4/2022					
2/7/2022					
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022	<0.003	<0.003			
8/16/2022			<0.003		
8/17/2022				<0.003	<0.003
8/18/2022					
8/19/2022					
2/13/2023					
2/14/2023	<0.003	<0.003	<0.003		
2/16/2023					
2/17/2023					<0.003
2/20/2023				<0.003	
2/21/2023					
2/22/2023					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
8/21/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
8/22/2007								<0.0005	
8/23/2007									<0.0005
8/24/2007									
10/23/2007									
10/24/2007									
10/25/2007								<0.0005	
11/1/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
11/2/2007									<0.0005
11/17/2007									
11/18/2007	<0.0005						<0.0005		<0.0005
11/19/2007		<0.0005		<0.0005	<0.0005				
11/20/2007			<0.0005			<0.0005		<0.0005	
1/15/2008									
1/16/2008				<0.0005					
1/23/2008								<0.0005	
1/30/2008	<0.0005		<0.0005			<0.0005	<0.0005		
1/31/2008		<0.0005			<0.0005				<0.0005
3/5/2008		<0.0005		<0.0005	<0.0005		<0.0005		
3/6/2008	<0.0005		<0.0005			<0.0005			
3/10/2008									
3/11/2008								<0.0005	<0.0005
5/6/2008									
5/7/2008	<0.0005				<0.0005		0.000181		
5/8/2008						<0.0005			
5/12/2008		<0.0005	<0.0005						
5/13/2008				<0.0005					
5/14/2008								<0.0005	<0.0005
12/2/2008									
12/4/2008									
12/5/2008									<0.0005
12/11/2008								<0.0005	
12/12/2008					<0.0005				
12/13/2008		<0.0005	<0.0005	<0.0005					
12/14/2008	<0.0005					<0.0005	<0.0005		
4/15/2009									<0.0005
4/16/2009				<0.0005					
4/21/2009									
4/23/2009								<0.0005	
4/28/2009		<0.0005							
4/29/2009	<0.0005		<0.0005		<0.0005	<0.0005	<0.0005		
10/6/2009									
10/7/2009									
10/8/2009									<0.0005
10/9/2009								<0.0005	
10/13/2009									
10/19/2009									
10/20/2009			<0.0005						
10/21/2009		<0.0005		<0.0005	<0.0005	<0.0005			
10/22/2009	<0.0005						<0.0005		
4/20/2010									
4/21/2010	<0.0005					<0.0005	<0.0005		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
4/26/2010			<0.0005						
4/27/2010				<0.0005					
4/28/2010		<0.0005			<0.0005				<0.0005
5/3/2010									
5/4/2010								<0.0005	
9/28/2010						<0.0005	<0.0005		
9/29/2010	<0.0005		<0.0005						
9/30/2010									
10/4/2010									
10/5/2010		<0.0005		<0.0005					
10/6/2010					<0.0005				<0.0005
10/11/2010								<0.0005	
10/12/2010									
4/12/2011						<0.0005	<0.0005		
4/13/2011	<0.0005		<0.0005						
4/14/2011									
4/18/2011									
4/19/2011		<0.0005		<0.0005					
4/20/2011					<0.0005				
4/21/2011									<0.0005
4/26/2011								<0.0005	
4/27/2011									
4/28/2011									
10/4/2011	<0.0005					<0.0005	<0.0005		
10/5/2011			<0.0005						
10/12/2011				<0.0005	<0.0005				
10/13/2011									<0.0005
10/17/2011									
10/18/2011		<0.0005						<0.0005	
10/19/2011									
4/3/2012						<0.0005	<0.0005		
4/4/2012	<0.0005		<0.0005						
4/11/2012									
4/23/2012									
4/24/2012				<0.0005					
4/25/2012		<0.0005			<0.0005				
4/30/2012									
5/1/2012									<0.0005
5/2/2012								<0.0005	
10/2/2012		<0.0005		<0.0005	<0.0005				
10/3/2012	<0.0005		<0.0005				<0.0005		
10/8/2012						<0.0005		<0.0005	
10/9/2012									<0.0005
10/10/2012									
4/2/2013		<0.0005		<0.0005	<0.0005				
4/3/2013	<0.0005		<0.0005			<0.0005	<0.0005		
4/8/2013									
4/9/2013									
4/10/2013								<0.0005	
4/11/2013									<0.0005
4/12/2013									
4/15/2013									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
4/16/2013									
10/8/2013		<0.0005			<0.0005			<0.0005	
10/9/2013	<0.0005			<0.0005			<0.0005		
10/15/2013			<0.0005			<0.0005			
10/16/2013									<0.0005
10/22/2013									
4/1/2014		0.0002 (J)		0.0002 (J)	0.0002 (J)				
4/2/2014	<0.0005						0.0002 (J)		
4/9/2014			<0.0005			<0.0005			
4/10/2014									
4/11/2014									
4/14/2014								<0.0005	
4/21/2014									
4/22/2014									
4/23/2014									<0.0005
9/30/2014									
10/1/2014		<0.0005			<0.0005				
10/2/2014	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		
10/3/2014								3.29E-05 (J)	
10/4/2014									<0.0005
3/30/2015									
3/31/2015					<0.0005				<0.0005
4/1/2015	<0.0005	<0.0005		<0.0005			<0.0005	<0.0005	
4/2/2015			<0.0005			<0.0005			
4/3/2015									
5/26/2015									
6/18/2015									
7/2/2015									
8/13/2015									
8/14/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015								<0.0005	
10/10/2015			<0.0005						
10/11/2015	<0.0005						<0.0005		
10/12/2015						<0.0005			<0.0005
10/13/2015									
10/14/2015				<0.0005	<0.0005				
10/15/2015		<0.0005							
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016									<0.0005
3/28/2016									
3/29/2016								<0.0005	
3/30/2016									
3/31/2016			<0.0005			<0.0005			

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
4/4/2016	<0.0005	<0.0005		<0.0005	<0.0005		<0.0005		
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									<0.0005
5/24/2016								<0.0005	
5/25/2016									
5/26/2016	<0.0005		<0.0005			<0.0005	<0.0005		
5/27/2016				<0.0005					
5/31/2016		<0.0005							
6/1/2016					<0.0005				
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									<0.0005
8/1/2016								<0.0005	
8/2/2016									
8/3/2016				<0.0005		<0.0005	<0.0005		
8/4/2016	<0.0005	<0.0005							
8/5/2016			<0.0005						
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016									<0.0005
9/23/2016									
9/26/2016								<0.0005	
9/27/2016									
9/28/2016	<0.0005		<0.0005			<0.0005	<0.0005		
9/29/2016		<0.0005							
9/30/2016				<0.0005					
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016									<0.0005
11/11/2016									
11/14/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
11/18/2016								<0.0005	
11/21/2016									
11/22/2016	<0.0005		<0.0005	8E-05 (J)		<0.0005	<0.0005		
11/23/2016									
11/28/2016		<0.0005							
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017									
1/31/2017									<0.0005
2/1/2017								<0.0005	
2/3/2017									
2/6/2017									
2/7/2017			<0.0005			<0.0005			
2/8/2017	<0.0005						<0.0005		
2/9/2017		<0.0005							
2/10/2017									
2/13/2017				<0.0005					
2/21/2017									
2/22/2017					<0.0005				
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017									<0.0005
4/3/2017									
4/6/2017								<0.0005	
4/7/2017									
4/10/2017	<0.0005		<0.0005			<0.0005	<0.0005		
4/11/2017				<0.0005	<0.0005				
4/12/2017		<0.0005							
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017									
6/12/2017									<0.0005
6/13/2017								<0.0005	
6/14/2017			<0.0005	<0.0005		<0.0005			
6/15/2017	<0.0005						<0.0005		
6/16/2017		<0.0005			<0.0005				
7/12/2017					<0.0005				
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017					<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
8/9/2017									
8/10/2017					<0.0005				
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017									
10/3/2017								<0.0005	
10/4/2017	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		<0.0005
10/5/2017									
10/6/2017					<0.0005				
10/9/2017		<0.0005							
3/14/2018									
3/15/2018									
3/16/2018									
3/19/2018								<0.0005	<0.0005
3/20/2018			<0.0005						
3/21/2018		<0.0005				<0.0005	<0.0005		
3/22/2018	<0.0005			<0.0005					
3/23/2018					<0.0005				
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018								<0.0005	<0.0005
9/18/2018	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		
9/19/2018		<0.0005							
9/20/2018					<0.0005				
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019									
3/20/2019									<0.0005
3/21/2019								<0.0005	
3/22/2019			<0.0005		<0.0005	<0.0005			
3/23/2019	<0.0005	<0.0005		<0.0005			<0.0005		
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019									
9/13/2019									<0.0005
9/16/2019								<0.0005	
9/17/2019	<0.0005		<0.0005	<0.0005 (D)		<0.0005	<0.0005		
9/18/2019		<0.0005			<0.0005				
3/6/2020									
3/9/2020									
3/10/2020									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
3/11/2020									<0.0005
3/12/2020	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	
3/13/2020		<0.0005							
3/16/2020									
3/17/2020					<0.0005				
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020									
9/16/2020								<0.0005	
9/17/2020			<0.0005			<0.0005			
9/21/2020	<0.0005			<0.0005			<0.0005		
9/22/2020		<0.0005			<0.0005				
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021								<0.0005	
3/18/2021		<0.0005	<0.0005			<0.0005			
3/19/2021	<0.0005			<0.0005	<0.0005		<0.0005		
3/29/2021									<0.0005
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021									<0.0005
8/10/2021			<0.0005					<0.0005	
8/11/2021	<0.0005	<0.0005		<0.0005		<0.0005	<0.0005		
8/12/2021					<0.0005				
10/28/2021									
1/31/2022									
2/1/2022									
2/2/2022				<0.0005				<0.0005	<0.0005
2/3/2022									
2/4/2022	<0.0005		<0.0005		<0.0005	<0.0005	<0.0005		
2/7/2022									
2/17/2022		<0.0005							
4/28/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022									<0.0005
8/17/2022			<0.0005					<0.0005	
8/18/2022	<0.0005	<0.0005		<0.0005		<0.0005	<0.0005		
8/19/2022					<0.0005				
2/13/2023									
2/14/2023									
2/16/2023									
2/17/2023								<0.0005	0.00013 (J)
2/20/2023	0.00016 (J)		0.00028 (J)			0.0003 (J)	0.00019 (J)		
2/21/2023				<0.0005					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
2/22/2023		<0.0005			<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
8/21/2007									
8/22/2007									
8/23/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
8/24/2007							<0.0005	<0.0005	
10/23/2007						<0.0005			
10/24/2007			<0.0005		<0.0005				
10/25/2007		<0.0005							
11/1/2007				<0.0005					
11/2/2007	<0.0005						<0.0005	<0.0005	
11/17/2007	<0.0005							<0.0005	
11/18/2007			<0.0005		<0.0005	<0.0005	<0.0005		
11/19/2007		<0.0005		<0.0005					
11/20/2007									
1/15/2008	<0.0005			<0.0005			<0.0005	<0.0005	
1/16/2008									
1/23/2008		<0.0005							
1/30/2008						<0.0005			
1/31/2008			<0.0005		<0.0005				
3/5/2008								<0.0005	
3/6/2008	<0.0005			<0.0005					
3/10/2008			<0.0005			<0.0005	<0.0005		
3/11/2008		<0.0005			<0.0005				
5/6/2008					0.000175				
5/7/2008	<0.0005							<0.0005	
5/8/2008									
5/12/2008		<0.0005							
5/13/2008			<0.0005	<0.0005		<0.0005	<0.0005		
5/14/2008									
12/2/2008	<0.0005						<0.0005	<0.0005	
12/4/2008			<0.0005		<0.0005				
12/5/2008						<0.0005			
12/11/2008		<0.0005							
12/12/2008				<0.0005					<0.0005
12/13/2008									
12/14/2008									
4/15/2009		<0.0005				<0.0005			
4/16/2009				<0.0005				<0.0005	
4/21/2009			<0.0005		<0.0005				
4/23/2009									<0.0005
4/28/2009	<0.0005						<0.0005		
4/29/2009									
10/6/2009									<0.0005
10/7/2009					<0.0005	<0.0005			
10/8/2009			<0.0005						
10/9/2009		<0.0005							
10/13/2009				<0.0005					
10/19/2009	<0.0005								
10/20/2009							<0.0005	<0.0005	
10/21/2009									
10/22/2009									
4/20/2010								<0.0005	
4/21/2010			<0.0005	<0.0005					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
4/26/2010					<0.0005				
4/27/2010	<0.0005						<0.0005		<0.0005
4/28/2010									
5/3/2010						<0.0005			
5/4/2010		<0.0005							
9/28/2010			<0.0005						
9/29/2010				<0.0005				<0.0005	
9/30/2010									<0.0005
10/4/2010	<0.0005				<0.0005				
10/5/2010							<0.0005		
10/6/2010									
10/11/2010									
10/12/2010		<0.0005				<0.0005			
4/12/2011			<0.0005					<0.0005	
4/13/2011				<0.0005	<0.0005				
4/14/2011									<0.0005
4/18/2011	<0.0005								
4/19/2011							<0.0005		
4/20/2011									
4/21/2011									
4/26/2011									
4/27/2011						<0.0005			
4/28/2011		<0.0005							
10/4/2011			<0.0005					<0.0005	
10/5/2011				<0.0005	<0.0005				<0.0005
10/12/2011	<0.0005						<0.0005		
10/13/2011									
10/17/2011						<0.0005			
10/18/2011									
10/19/2011		<0.0005							
4/3/2012			<0.0005						
4/4/2012				<0.0005				<0.0005	
4/11/2012					<0.0005				<0.0005
4/23/2012	<0.0005								
4/24/2012									
4/25/2012							<0.0005		
4/30/2012									
5/1/2012									
5/2/2012		<0.0005				<0.0005			
10/2/2012									<0.0005
10/3/2012									
10/8/2012				<0.0005		<0.0005			
10/9/2012		<0.0005	<0.0005		<0.0005				
10/10/2012	<0.0005						<0.0005	<0.0005	
4/2/2013									
4/3/2013									
4/8/2013				<0.0005					
4/9/2013									<0.0005
4/10/2013									
4/11/2013		<0.0005	<0.0005						
4/12/2013						<0.0005			
4/15/2013	<0.0005				<0.0005		<0.0005		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
4/16/2013							<0.0005		
10/8/2013									
10/9/2013				<0.0005					
10/15/2013					<0.0005				<0.0005
10/16/2013		<0.0005	<0.0005			<0.0005			
10/22/2013	<0.0005						<0.0005	<0.0005	
4/1/2014									
4/2/2014									
4/9/2014				<0.0005					
4/10/2014			<0.0005						<0.0005
4/11/2014						<0.0005			
4/14/2014									
4/21/2014	<0.0005						<0.0005	<0.0005	
4/22/2014					<0.0005				
4/23/2014		<0.0005							
9/30/2014	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/1/2014									<0.0005
10/2/2014									
10/3/2014		3.71E-05 (J)							
10/4/2014									
3/30/2015			<0.0005		<0.0005	<0.0005			2.02E-05 (J)
3/31/2015		<0.0005							
4/1/2015									
4/2/2015				<0.0005					
4/3/2015	<0.0005						<0.0005	<0.0005	
5/26/2015									
6/18/2015									
7/2/2015									
8/13/2015									
8/14/2015									
10/6/2015							<0.0005		
10/7/2015	<0.0005							<0.0005	
10/8/2015									
10/9/2015									
10/10/2015				<0.0005 (D)					
10/11/2015									<0.0005
10/12/2015		<0.0005							
10/13/2015			<0.0005		<0.0005	<0.0005			
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016						<0.0005			
3/23/2016			<0.0005		<0.0005				
3/28/2016		<0.0005							<0.0005
3/29/2016									
3/30/2016				<0.0005					
3/31/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
4/4/2016									
4/5/2016	<0.0005						<0.0005	<0.0005	
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016			<0.0005			<0.0005			
5/20/2016					<0.0005				
5/23/2016									<0.0005
5/24/2016									
5/25/2016		<0.0005							
5/26/2016				<0.0005					
5/27/2016									
5/31/2016	<0.0005						<0.0005		
6/1/2016								<0.0005	
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016			<0.0005		<0.0005	<0.0005			
8/1/2016		<0.0005							<0.0005
8/2/2016									
8/3/2016									
8/4/2016	<0.0005								
8/5/2016				<0.0005					
8/9/2016								<0.0005	
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016			<0.0005						
9/23/2016					<0.0005	<0.0005			
9/26/2016									<0.0005
9/27/2016		<0.0005							
9/28/2016				<0.0005					
9/29/2016	<0.0005								
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016					<0.0005	<0.0005			
11/10/2016			<0.0005						<0.0005
11/11/2016		<0.0005							
11/14/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
11/18/2016									
11/21/2016				<0.0005					
11/22/2016									
11/23/2016	5E-05 (J)						6E-05 (J)		
11/28/2016								<0.0005	
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017						<0.0005			<0.0005
1/31/2017		<0.0005	<0.0005		<0.0005				
2/1/2017									
2/3/2017									
2/6/2017				<0.0005					
2/7/2017									
2/8/2017									
2/9/2017								<0.0005	
2/10/2017	<0.0005						<0.0005		
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017					<0.0005	<0.0005			
4/3/2017		<0.0005	<0.0005						
4/6/2017				<0.0005					
4/7/2017									<0.0005
4/10/2017									
4/11/2017							<0.0005	<0.0005	
4/12/2017	<0.0005								
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017			<0.0005			<0.0005			
6/12/2017		<0.0005			<0.0005				<0.0005
6/13/2017				<0.0005					
6/14/2017								<0.0005	
6/15/2017	<0.0005						<0.0005		
6/16/2017									
7/12/2017							<0.0005	<0.0005	
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017							<0.0005		
7/27/2017									
7/28/2017									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017			<0.0005		<0.0005	<0.0005			<0.0005
10/3/2017		<0.0005		<0.0005					
10/4/2017									
10/5/2017								<0.0005	
10/6/2017	<0.0005						<0.0005		
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018			<0.0005			<0.0005			<0.0005
3/19/2018		<0.0005			<0.0005				
3/20/2018				<0.0005					
3/21/2018									
3/22/2018								<0.0005	
3/23/2018	<0.0005						<0.0005		
9/12/2018									
9/13/2018									
9/14/2018			<0.0005		<0.0005				
9/17/2018		<0.0005				<0.0005 (D)			<0.0005
9/18/2018				<0.0005 (D)					
9/19/2018	<0.0005						<0.0005	<0.0005	
9/20/2018									
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019			<0.0005						<0.0005
3/20/2019		<0.0005			<0.0005	<0.0005			
3/21/2019				<0.0005					
3/22/2019							<0.0005	<0.0005	
3/23/2019									
3/25/2019	<0.0005								
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019					<0.0005 (D)	<0.0005			
9/13/2019			<0.0005						<0.0005
9/16/2019		<0.0005		<0.0005					
9/17/2019	<0.0005						<0.0005	<0.0005	
9/18/2019									
3/6/2020									
3/9/2020									
3/10/2020									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
3/11/2020			<0.0005		<0.0005	<0.0005			<0.0005
3/12/2020				<0.0005					
3/13/2020	<0.0005						<0.0005	<0.0005	
3/16/2020		<0.0005							
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020			<0.0005		<0.0005	<0.0005			
9/16/2020		<0.0005							<0.0005
9/17/2020				<0.0005					
9/21/2020	<0.0005						<0.0005	<0.0005	
9/22/2020									
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021			<0.0005			<0.0005			
3/17/2021		<0.0005			<0.0005				<0.0005
3/18/2021	<0.0005			<0.0005			<0.0005	<0.0005	
3/19/2021									
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021		<0.0005	<0.0005		<0.0005	<0.0005			<0.0005
8/10/2021				<0.0005					
8/11/2021	<0.0005						<0.0005	<0.0005	
8/12/2021									
10/28/2021									
1/31/2022									
2/1/2022			<0.0005		<0.0005	<0.0005			<0.0005
2/2/2022		<0.0005		<0.0005					
2/3/2022									
2/4/2022	<0.0005							<0.0005	
2/7/2022							<0.0005		
2/17/2022									
4/28/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022		<0.0005	<0.0005		<0.0005	<0.0005			<0.0005
8/17/2022				<0.0005					
8/18/2022								<0.0005	
8/19/2022	<0.0005						<0.0005		
2/13/2023									
2/14/2023									
2/16/2023			<0.0005		0.00013 (J)	0.00017 (J)			<0.0005
2/17/2023									
2/20/2023		<0.0005							
2/21/2023				<0.0005					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
2/22/2023	<0.0005						<0.0005	<0.0005	

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
8/21/2007									
8/22/2007									
8/23/2007									
8/24/2007									
10/23/2007									
10/24/2007									
10/25/2007									
11/1/2007									
11/2/2007									
11/17/2007									
11/18/2007									
11/19/2007									
11/20/2007									
1/15/2008									
1/16/2008									
1/23/2008									
1/30/2008									
1/31/2008									
3/5/2008									
3/6/2008									
3/10/2008									
3/11/2008									
5/6/2008									
5/7/2008									
5/8/2008									
5/12/2008									
5/13/2008									
5/14/2008									
12/2/2008									
12/4/2008									
12/5/2008									
12/11/2008									
12/12/2008	<0.0005								
12/13/2008									
12/14/2008									
4/15/2009									
4/16/2009									
4/21/2009									
4/23/2009	<0.0005								
4/28/2009									
4/29/2009									
10/6/2009	<0.0005								
10/7/2009									
10/8/2009									
10/9/2009									
10/13/2009									
10/19/2009									
10/20/2009									
10/21/2009									
10/22/2009									
4/20/2010									
4/21/2010									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
4/26/2010									
4/27/2010									
4/28/2010									
5/3/2010	<0.0005								
5/4/2010									
9/28/2010									
9/29/2010									
9/30/2010									
10/4/2010									
10/5/2010									
10/6/2010									
10/11/2010	<0.0005								
10/12/2010									
4/12/2011									
4/13/2011									
4/14/2011									
4/18/2011									
4/19/2011									
4/20/2011									
4/21/2011									
4/26/2011									
4/27/2011	<0.0005								
4/28/2011									
10/4/2011									
10/5/2011									
10/12/2011									
10/13/2011									
10/17/2011									
10/18/2011		<0.0005							
10/19/2011	<0.0005								
4/3/2012									
4/4/2012									
4/11/2012									
4/23/2012									
4/24/2012									
4/25/2012									
4/30/2012		<0.0005							
5/1/2012	<0.0005								
5/2/2012									
10/2/2012	<0.0005								
10/3/2012		<0.0005							
10/8/2012									
10/9/2012									
10/10/2012									
4/2/2013									
4/3/2013									
4/8/2013		<0.0005							
4/9/2013									
4/10/2013	<0.0005								
4/11/2013									
4/12/2013									
4/15/2013									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
4/16/2013									
10/8/2013									
10/9/2013		<0.0005							
10/15/2013									
10/16/2013	<0.0005								
10/22/2013									
4/1/2014									
4/2/2014									
4/9/2014									
4/10/2014		<0.0005							
4/11/2014									
4/14/2014									
4/21/2014									
4/22/2014	<0.0005								
4/23/2014									
9/30/2014									
10/1/2014	<0.0005								
10/2/2014		3.83E-05 (J)							
10/3/2014									
10/4/2014									
3/30/2015	<0.0005								
3/31/2015									
4/1/2015									
4/2/2015									
4/3/2015		<0.0005							
5/26/2015			<0.0005	<0.0005					
6/18/2015			<0.0005 (D)	<0.0005 (D)					
7/2/2015			<0.0005	<0.0005					
8/13/2015			<0.0005 (D)						
8/14/2015				<0.0005 (D)					
10/6/2015									
10/7/2015									
10/8/2015		<0.0005		<0.0005					
10/9/2015			<0.0005						
10/10/2015									
10/11/2015	<0.0005								
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016					<0.0005	<0.0005	<0.0005	<0.0005	
3/11/2016									<0.0005
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016				<0.0005					
3/23/2016									
3/28/2016	<0.0005								
3/29/2016			<0.0005						
3/30/2016		<0.0005							
3/31/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									<0.0005
5/17/2016					<0.0005			<0.0005	
5/18/2016						<0.0005	<0.0005		
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016		<0.0005	<0.0005						
5/25/2016	<0.0005			<0.0005					
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									<0.0005
7/25/2016									
7/26/2016					<0.0005				
7/27/2016						<0.0005	<0.0005	<0.0005	
7/28/2016									
7/29/2016									
8/1/2016	<0.0005		<0.0005						
8/2/2016		<0.0005		<0.0005					
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									<0.0005
9/20/2016					<0.0005	<0.0005	<0.0005	<0.0005	
9/21/2016									
9/22/2016									
9/23/2016									
9/26/2016	<0.0005		<0.0005	<0.0005					
9/27/2016		<0.0005							
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									<0.0005
11/4/2016					<0.0005		<0.0005	<0.0005	
11/7/2016						<0.0005			
11/9/2016									
11/10/2016									
11/11/2016	<0.0005								
11/14/2016			<0.0005						

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
11/18/2016									
11/21/2016				<0.0005					
11/22/2016		8E-05 (J)							
11/23/2016									
11/28/2016									
1/17/2017									<0.0005
1/18/2017									
1/19/2017									
1/20/2017					<0.0005		<0.0005		
1/23/2017						<0.0005		<0.0005	
1/24/2017									
1/30/2017	<0.0005								
1/31/2017									
2/1/2017			<0.0005						
2/3/2017				<0.0005					
2/6/2017		<0.0005							
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									<0.0005
3/28/2017					<0.0005			<0.0005	
3/29/2017						<0.0005 (*)	<0.0005 (*)		
3/30/2017									
4/3/2017	<0.0005								
4/6/2017		<0.0005	<0.0005						
4/7/2017				<0.0005					
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017					<0.0005				<0.0005
6/8/2017						<0.0005	<0.0005	<0.0005	
6/9/2017									
6/12/2017	<0.0005								
6/13/2017			<0.0005	<0.0005					
6/14/2017		<0.0005							
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									<0.0005
9/27/2017						<0.0005	<0.0005		
9/29/2017					<0.0005			<0.0005	
10/2/2017	<0.0005								
10/3/2017			<0.0005	<0.0005					
10/4/2017		<0.0005							
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018									<0.0005
3/15/2018					<0.0005	<0.0005		<0.0005	
3/16/2018	<0.0005						<0.0005		
3/19/2018									
3/20/2018			<0.0005	<0.0005					
3/21/2018		<0.0005							
3/22/2018									
3/23/2018									
9/12/2018									
9/13/2018					<0.0005	<0.0005	<0.0005	6.2E-05 (J)	
9/14/2018									3.8E-05 (J)
9/17/2018			<0.0005						
9/18/2018	<0.0005	<0.0005		<0.0005					
9/19/2018									
9/20/2018									
3/13/2019									
3/14/2019									<0.0005
3/15/2019						<0.0005		<0.0005	
3/18/2019					<0.0005				
3/19/2019	<0.0005						5E-05 (J)		
3/20/2019									
3/21/2019			<0.0005						
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019		<0.0005							
5/6/2019				<0.0005					
9/9/2019									
9/10/2019									<0.0005
9/11/2019					<0.0005		<0.0005	<0.0005 (D)	
9/12/2019	<0.0005					<0.0005			
9/13/2019									
9/16/2019		<0.0005 (D)	<0.0005	<0.0005					
9/17/2019									
9/18/2019									
3/6/2020									<0.0005
3/9/2020						<0.0005	<0.0005	<0.0005	
3/10/2020					<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
3/11/2020	<0.0005								
3/12/2020		<0.0005	<0.0005						
3/13/2020									
3/16/2020				<0.0005					
3/17/2020									
9/10/2020									<0.0005
9/11/2020									
9/14/2020					<0.0005	<0.0005		0.00015 (J)	
9/15/2020	<0.0005						<0.0005		
9/16/2020			<0.0005						
9/17/2020		<0.0005		<0.0005					
9/21/2020									
9/22/2020									
3/10/2021									
3/11/2021					<0.0005	<0.0005	<0.0005	0.0002 (J)	<0.0005
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021	<0.0005	<0.0005	<0.0005						
3/18/2021				<0.0005					
3/19/2021									
3/29/2021									
8/4/2021								0.0005	8E-05 (J)
8/5/2021					0.00015 (J)	0.00021	0.00023		
8/6/2021									
8/9/2021	<0.0005								
8/10/2021		<0.0005	<0.0005	<0.0005					
8/11/2021									
8/12/2021									
10/28/2021						<0.0005	<0.0005		
1/31/2022					<0.0005			0.00039	<0.0005
2/1/2022						<0.0005	<0.0005		
2/2/2022	<0.0005	<0.0005	<0.0005	<0.0005					
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022								0.0004	
8/10/2022									<0.0005
8/11/2022									
8/12/2022									
8/15/2022					<0.0005	<0.0005	<0.0005	0.00038	
8/16/2022									
8/17/2022	<0.0005	<0.0005	<0.0005	<0.0005					
8/18/2022									
8/19/2022									
2/13/2023									0.00014 (J)
2/14/2023					<0.0005	<0.0005	0.00013 (J)	0.00064	
2/16/2023	<0.0005								
2/17/2023			<0.0005						
2/20/2023				<0.0005					
2/21/2023		<0.0005							

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

2/22/2023

GWA-50R (bg) GWC-8RR GWC-6RZ GWC-8Z GWC-46R GWC-47 GWC-47R GWC-48 GWA-42 (bg)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWC-45R	GWC-44	GWC-45
4/16/2013									
10/8/2013									
10/9/2013									
10/15/2013									
10/16/2013									
10/22/2013									
4/1/2014									
4/2/2014									
4/9/2014									
4/10/2014									
4/11/2014									
4/14/2014									
4/21/2014									
4/22/2014									
4/23/2014									
9/30/2014									
10/1/2014									
10/2/2014									
10/3/2014									
10/4/2014									
3/30/2015									
3/31/2015									
4/1/2015									
4/2/2015									
4/3/2015									
5/26/2015									
6/18/2015									
7/2/2015									
8/13/2015									
8/14/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016	<0.0005	<0.0005							
3/14/2016			<0.0005						
3/15/2016				<0.0005	<0.0005	<0.0005			
3/16/2016							<0.0005	<0.0005	<0.0005
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWC-45R	GWC-44	GWC-45
4/4/2016									
4/5/2016									
5/11/2016			<0.0005		<0.0005				
5/12/2016						<0.0005			
5/13/2016	<0.0005	<0.0005		<0.0005					
5/16/2016							<0.0005 (D)	<0.0005	<0.0005 (D)
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016	<0.0005	<0.0005	<0.0005						
7/20/2016						<0.0005			
7/21/2016				<0.0005	<0.0005				
7/22/2016									
7/25/2016							<0.0005 (D)	<0.0005	<0.0005 (D)
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016									
8/2/2016									
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016			<0.0005		<0.0005	<0.0005			
9/16/2016	<0.0005	<0.0005							
9/19/2016							<0.0005 (D)	<0.0005	<0.0005 (D)
9/20/2016									
9/21/2016				<0.0005					
9/22/2016									
9/23/2016									
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016	<0.0005	<0.0005	<0.0005						
11/3/2016				<0.0005	<0.0005	<0.0005	<0.0005 (D)	<0.0005	
11/4/2016									<0.0005 (D)
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWC-45R	GWC-44	GWC-45
11/18/2016									
11/21/2016									
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017				<0.0005	<0.0005				
1/18/2017	<0.0005	<0.0005	<0.0005			<0.0005			
1/19/2017								<0.0005	
1/20/2017							<0.0005 (D)		
1/23/2017									<0.0005 (D)
1/24/2017									
1/30/2017									
1/31/2017									
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017					<0.0005	<0.0005			
3/27/2017				<0.0005					
3/28/2017	<0.0005	<0.0005	<0.0005					<0.0005	
3/29/2017							0.000285 (J*D)		0.000285 (J*D)
3/30/2017									
4/3/2017									
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017					<0.0005				
6/5/2017								<0.0005	
6/6/2017	<0.0005	<0.0005		<0.0005		<0.0005			
6/7/2017			<0.0005				<0.0005		<0.0005
6/8/2017									
6/9/2017									
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWC-45R	GWC-44	GWC-45
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017	<0.0005	<0.0005							
9/25/2017				<0.0005		<0.0005			
9/26/2017			<0.0005		<0.0005			<0.0005	
9/27/2017							<0.0005		<0.0005
9/29/2017									
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/15/2018		<0.0005					<0.0005	<0.0005	<0.0005
3/16/2018									
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	<0.0005	3.9E-05 (J)	<0.0005	<0.0005	3.8E-05 (J)	<0.0005		<0.0005	
9/13/2018							<0.0005		<0.0005
9/14/2018									
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019	<0.0005	<0.0005			<0.0005				
3/14/2019				<0.0005		<0.0005	<0.0005 (D)	<0.0005	<0.0005 (D)
3/15/2019			<0.0005						
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019			<0.0005		<0.0005				
9/10/2019				<0.0005		<0.0005 (D)			
9/11/2019	<0.0005	<0.0005					<0.0005 (D)	<0.0005	<0.0005 (D)
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020						<0.0005			
3/9/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/10/2020							<0.0005	<0.0005	<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWC-45R	GWC-44	GWC-45
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020			<0.0005	<0.0005		<0.0005			
9/11/2020	<0.0005				<0.0005		<0.0005		<0.0005
9/14/2020		<0.0005							
9/15/2020								<0.0005	
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021				<0.0005	<0.0005				
3/11/2021	<0.0005	<0.0005				<0.0005	<0.0005	<0.0005	<0.0005
3/12/2021			<0.0005						
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021			0.00012 (J)	9.4E-05 (J)	9.4E-05 (J)	9E-05 (J)		8.7E-05 (J)	
8/5/2021		9.6E-05 (J)							
8/6/2021	<0.0005						<0.0005		<0.0005
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
10/28/2021									
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
2/1/2022							<0.0005		<0.0005
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022		<0.0005	<0.0005						
8/11/2022	<0.0005			<0.0005		<0.0005			
8/12/2022					<0.0005		<0.0005		<0.0005
8/15/2022								<0.0005	
8/16/2022									
8/17/2022									
8/18/2022									
8/19/2022									
2/13/2023		<0.0005	<0.0005	0.00013 (J)	<0.0005	0.00017 (J)			
2/14/2023	<0.0005						<0.0005	<0.0005	<0.0005
2/16/2023									
2/17/2023									
2/20/2023									
2/21/2023									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

2/22/2023

GWA-43 (bg) GWA-43R (bg) GWA-39Z (bg) GWA-41R (bg) GWA-40 (bg) GWA-41 (bg) GWC-45R GWC-44 GWC-45

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/21/2007					
8/22/2007					
8/23/2007					
8/24/2007					
10/23/2007					
10/24/2007					
10/25/2007					
11/1/2007					
11/2/2007					
11/17/2007					
11/18/2007					
11/19/2007					
11/20/2007					
1/15/2008					
1/16/2008					
1/23/2008					
1/30/2008					
1/31/2008					
3/5/2008					
3/6/2008					
3/10/2008					
3/11/2008					
5/6/2008					
5/7/2008					
5/8/2008					
5/12/2008					
5/13/2008					
5/14/2008					
12/2/2008					
12/4/2008					
12/5/2008					
12/11/2008					
12/12/2008					
12/13/2008					
12/14/2008					
4/15/2009					
4/16/2009					
4/21/2009					
4/23/2009					
4/28/2009					
4/29/2009					
10/6/2009					
10/7/2009					
10/8/2009					
10/9/2009					
10/13/2009					
10/19/2009					
10/20/2009					
10/21/2009					
10/22/2009					
4/20/2010					
4/21/2010					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/26/2010					
4/27/2010					
4/28/2010					
5/3/2010					
5/4/2010					
9/28/2010					
9/29/2010					
9/30/2010					
10/4/2010					
10/5/2010					
10/6/2010					
10/11/2010					
10/12/2010					
4/12/2011					
4/13/2011					
4/14/2011					
4/18/2011					
4/19/2011					
4/20/2011					
4/21/2011					
4/26/2011					
4/27/2011					
4/28/2011					
10/4/2011					
10/5/2011					
10/12/2011					
10/13/2011					
10/17/2011					
10/18/2011					
10/19/2011					
4/3/2012					
4/4/2012					
4/11/2012					
4/23/2012					
4/24/2012					
4/25/2012					
4/30/2012					
5/1/2012					
5/2/2012					
10/2/2012					
10/3/2012					
10/8/2012					
10/9/2012					
10/10/2012					
4/2/2013					
4/3/2013					
4/8/2013					
4/9/2013					
4/10/2013					
4/11/2013					
4/12/2013					
4/15/2013					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/16/2013					
10/8/2013					
10/9/2013					
10/15/2013					
10/16/2013					
10/22/2013					
4/1/2014					
4/2/2014					
4/9/2014					
4/10/2014					
4/11/2014					
4/14/2014					
4/21/2014					
4/22/2014					
4/23/2014					
9/30/2014					
10/1/2014					
10/2/2014					
10/3/2014					
10/4/2014					
3/30/2015					
3/31/2015					
4/1/2015					
4/2/2015					
4/3/2015					
5/26/2015					
6/18/2015					
7/2/2015					
8/13/2015					
8/14/2015					
10/6/2015					
10/7/2015					
10/8/2015					
10/9/2015					
10/10/2015					
10/11/2015					
10/12/2015					
10/13/2015					
10/14/2015					
10/15/2015					
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016	<0.0005	<0.0005			
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/4/2016					
4/5/2016					
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			<0.0005 (D)		
5/17/2016					
5/18/2016	<0.0005	<0.0005			
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016				<0.0005	
6/1/2016					
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016		<0.0005	<0.0005 (D)		
7/28/2016	<0.0005				
7/29/2016					
8/1/2016					
8/2/2016				<0.0005	
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016	<0.0005	<0.0005			
9/22/2016					
9/23/2016					
9/26/2016					
9/27/2016				<0.0005	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016		<0.0005			
11/7/2016	<0.0005				
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
11/18/2016					
11/21/2016				<0.0005	
11/22/2016					
11/23/2016					
11/28/2016					
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017	5E-05 (J)	5E-05 (J)			
1/30/2017					
1/31/2017					
2/1/2017				<0.0005	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017					
2/10/2017					
2/13/2017					
2/21/2017			<0.0005		
2/22/2017					<0.0005
3/24/2017					
3/27/2017			<0.0005 (D)		
3/28/2017					
3/29/2017		<0.0005 (*)			
3/30/2017	<0.0005 (*)				
4/3/2017					
4/6/2017				<0.0005	
4/7/2017					<0.0005
4/10/2017					
4/11/2017					
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017		<0.0005	<0.0005 (D)		
6/9/2017	<0.0005				
6/12/2017					
6/13/2017				<0.0005	
6/14/2017					0.000286 (JD)
6/15/2017					
6/16/2017					
7/12/2017					<0.0005 (D)
7/14/2017				<0.0005	
7/17/2017			<0.0005 (D)		
7/20/2017					<0.0005 (D)
7/26/2017					
7/27/2017			<0.0005		
7/28/2017					<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/9/2017			<0.0005		<0.0005
8/10/2017					
8/24/2017					<0.0005
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	<0.0005	4E-05 (J)	<0.0005 (D)		
10/2/2017					
10/3/2017				<0.0005	<0.0005 (D)
10/4/2017					
10/5/2017					
10/6/2017					
10/9/2017					
3/14/2018					
3/15/2018	<0.0005	<0.0005			
3/16/2018			<0.0005		
3/19/2018					
3/20/2018				<0.0005	
3/21/2018					<0.0005
3/22/2018					
3/23/2018					
9/12/2018					
9/13/2018		<0.0005			
9/14/2018	<0.0005		4.1E-05 (J)		
9/17/2018					
9/18/2018				<0.0005	<0.0005
9/19/2018					
9/20/2018					
3/13/2019					
3/14/2019			<0.0005		
3/15/2019					
3/18/2019		<0.0005			
3/19/2019	4.5E-05 (J)				
3/20/2019					
3/21/2019				<0.0005	<0.0005 (D)
3/22/2019					
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019	<0.0005	<0.0005			
9/12/2019					<0.0005 (D)
9/13/2019				<0.0005	
9/16/2019					
9/17/2019					
9/18/2019					
3/6/2020					
3/9/2020	<0.0005		<0.0005		
3/10/2020					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/11/2020		<0.0005			
3/12/2020				<0.0005	<0.0005
3/13/2020					
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020		<0.0005			
9/14/2020	<0.0005				
9/15/2020					
9/16/2020			<0.0005	<0.0005	
9/17/2020					<0.0005
9/21/2020					
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021	<0.0005	<0.0005			
3/16/2021			<0.0005		<0.0005
3/17/2021				<0.0005	
3/18/2021					
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021	0.0002				
8/6/2021			<0.0005		
8/9/2021					
8/10/2021				<0.0005	<0.0005
8/11/2021		<0.0005			
8/12/2021					
10/28/2021					
1/31/2022					
2/1/2022	<0.0005	<0.0005			
2/2/2022			<0.0005	<0.0005	
2/3/2022					<0.0005
2/4/2022					
2/7/2022					
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022	<0.0005	<0.0005			
8/16/2022			<0.0005		
8/17/2022				<0.0005	<0.0005
8/18/2022					
8/19/2022					
2/13/2023					
2/14/2023	<0.0005	<0.0005	<0.0005		
2/16/2023					
2/17/2023					<0.0005
2/20/2023				<0.0005	
2/21/2023					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWC-49Z

GWC-49R

GWA-39RZ (bg)

GWC-7Z

GWA-4RZ (bg)

2/22/2023

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
3/30/2015	7E-05								
10/6/2015		0.0005 (D)							
10/7/2015			<0.001 (D)	<0.001 (D)					
10/8/2015					0.0001 (D)	<0.001 (D)			
10/9/2015							<0.001	<0.001	
10/10/2015									<0.001
10/11/2015									
10/12/2015									
10/13/2015	<0.001								
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016					<0.001				
3/23/2016	<0.001								
3/28/2016									
3/29/2016							<0.001	<0.001	
3/30/2016						<0.001			<0.001
3/31/2016									
4/4/2016									
4/5/2016		0.00036 (J)	<0.001	<0.001					
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016	<0.001								
5/20/2016									
5/23/2016									
5/24/2016						<0.001	<0.001	<0.001	
5/25/2016					<0.001				
5/26/2016									<0.001
5/27/2016									
5/31/2016		0.000373 (J)		<0.001					
6/1/2016			<0.001						
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	<0.001								
8/1/2016							<0.001	<0.001	
8/2/2016					<0.001	<0.001			
8/3/2016									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
8/4/2016				<0.001					
8/5/2016									<0.001
8/9/2016			<0.001						
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016	<0.001								
9/23/2016									
9/26/2016					<0.001		<0.001	<0.001	
9/27/2016						<0.001			
9/28/2016									<0.001
9/29/2016				<0.001					
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016	<0.001								
11/11/2016									
11/14/2016							<0.001		
11/18/2016								<0.001	
11/21/2016					<0.001				<0.001
11/22/2016						<0.001			
11/23/2016		<0.001		<0.001					
11/28/2016			<0.001						
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017									
1/31/2017	<0.001								
2/1/2017							<0.001	<0.001	
2/3/2017					<0.001				
2/6/2017						<0.001			<0.001
2/7/2017									
2/8/2017									
2/9/2017			<0.001						
2/10/2017		<0.001		<0.001					
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017									
4/3/2017	<0.001								

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
4/6/2017									
4/7/2017					<0.001	<0.001	<0.001	5E-05 (J)	<0.001
4/10/2017									
4/11/2017		<0.001	<0.001						
4/12/2017				<0.001					
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017	<0.001								
6/12/2017									
6/13/2017					7E-05 (J)		<0.001	<0.001	<0.001
6/14/2017			<0.001			<0.001			
6/15/2017		<0.001		<0.001					
6/16/2017									
7/12/2017		<0.001	<0.001						
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017		<0.001							
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	<0.001								
10/3/2017					<0.001		<0.001	<0.001	<0.001
10/4/2017						<0.001			
10/5/2017			<0.001						
10/6/2017		<0.001		<0.001					
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018	<0.001								
3/19/2018								<0.001	
3/20/2018					<0.001		<0.001		<0.001
3/21/2018						<0.001			
3/22/2018			<0.001						
3/23/2018		<0.001		<0.001					
9/12/2018									
9/13/2018									
9/14/2018	<0.001								
9/17/2018							<0.001	<0.001	
9/18/2018					<0.001	<0.001			<0.001 (D)
9/19/2018		<0.001	<0.001	<0.001					
9/20/2018									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019	<0.001								
3/20/2019									
3/21/2019							<0.001	<0.001	<0.001
3/22/2019		<0.001	<0.001						
3/23/2019									
3/25/2019				<0.001					
3/27/2019						<0.001			
5/6/2019					<0.001				
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019									
9/13/2019	6.2E-05 (J)								
9/16/2019					<0.001	<0.001 (D)	<0.001	<0.001	<0.001
9/17/2019		<0.001	<0.001	<0.001					
9/18/2019									
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020	<0.001								
3/12/2020						<0.001	<0.001	<0.001	<0.001
3/13/2020		<0.001	<0.001	<0.001					
3/16/2020					<0.001				
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020	<0.001								
9/16/2020							<0.001	<0.001	
9/17/2020					<0.001	<0.001			<0.001
9/21/2020		<0.001	<0.001	<0.001					
9/22/2020									
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021	<0.001								
3/17/2021						<0.001	<0.001	<0.001	
3/18/2021		<0.001	<0.001	<0.001	<0.001				<0.001
3/19/2021									
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021	<0.001								
8/10/2021					<0.001	<0.001	<0.001	<0.001	<0.001
8/11/2021		<0.001	<0.001	<0.001					
8/12/2021									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
1/31/2022									
2/1/2022	<0.001								
2/2/2022					<0.001	<0.001	<0.001	<0.001	<0.001
2/3/2022									
2/4/2022			<0.001	<0.001					
2/7/2022		<0.001							
2/17/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022	<0.001								
8/17/2022					<0.001	<0.001	<0.001	<0.001	<0.001
8/18/2022			<0.001						
8/19/2022		<0.001		<0.001					
2/13/2023									
2/14/2023									
2/16/2023	<0.001								
2/17/2023							<0.001	<0.001	
2/20/2023					<0.001				
2/21/2023						<0.001			<0.001
2/22/2023		<0.001	<0.001	<0.001					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-11	GWC-11R	GWA-50R (bg)	GWA-50 (bg)	GWC-10R	GWC-5	GWA-3A (bg)	GWA-1 (bg)
3/30/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015	<0.001								
10/11/2015		<0.001	0.0002	<0.001	<0.001				
10/12/2015						<0.001	<0.001	<0.001	
10/13/2015									<0.001
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									<0.001
3/23/2016								<0.001	
3/28/2016				<0.001	<0.001		<0.001		
3/29/2016									
3/30/2016									
3/31/2016	<0.001					<0.001			
4/4/2016		<0.001	<0.001						
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016									<0.001
5/20/2016									
5/23/2016					<0.001			<0.001	
5/24/2016									
5/25/2016				<0.001			<0.001		
5/26/2016	<0.001	<0.001	<0.001			<0.001			
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016								<0.001	<0.001
8/1/2016				<0.001	<0.001		<0.001		
8/2/2016									
8/3/2016		<0.001							0.0001 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-11	GWC-11R	GWA-50R (bg)	GWA-50 (bg)	GWC-10R	GWC-5	GWA-3A (bg)	GWA-1 (bg)
8/4/2016			<0.001						
8/5/2016	<0.001								
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016								<0.001	
9/23/2016									<0.001
9/26/2016				<0.001	<0.001				
9/27/2016							<0.001		
9/28/2016	<0.001	<0.001	<0.001			<0.001			
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									<0.001
11/10/2016					<0.001			<0.001	
11/11/2016				<0.001			<0.001		
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016	<0.001	<0.001	<0.001			<0.001			
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017				<0.001	<0.001				<0.001
1/31/2017							<0.001	<0.001	
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017	<0.001					<0.001			
2/8/2017		<0.001	<0.001						
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017								<0.001	<0.001
4/3/2017				<0.001			<0.001		

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-11	GWC-11R	GWA-50R (bg)	GWA-50 (bg)	GWC-10R	GWC-5	GWA-3A (bg)	GWA-1 (bg)
4/6/2017									
4/7/2017					<0.001				
4/10/2017	<0.001	<0.001	<0.001			<0.001			
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017									<0.001
6/12/2017				<0.001	<0.001		<0.001	<0.001	
6/13/2017									
6/14/2017	<0.001					<0.001			
6/15/2017		<0.001	<0.001						
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017				<0.001	<0.001				<0.001
10/3/2017							<0.001		
10/4/2017	<0.001	<0.001	<0.001			<0.001		<0.001	
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018				<0.001	<0.001				<0.001
3/19/2018							<0.001	<0.001	
3/20/2018	<0.001								
3/21/2018		<0.001				<0.001			
3/22/2018			<0.001						
3/23/2018									
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018					<0.001		<0.001	<0.001	<0.001 (D)
9/18/2018	<0.001	<0.001	<0.001	<0.001		<0.001			
9/19/2018									
9/20/2018									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-11	GWC-11R	GWA-50R (bg)	GWA-50 (bg)	GWC-10R	GWC-5	GWA-3A (bg)	GWA-1 (bg)
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019				<0.001	<0.001				
3/20/2019							<0.001	<0.001	<0.001
3/21/2019									
3/22/2019	<0.001					<0.001			
3/23/2019		<0.001	<0.001						
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019				<0.001					<0.001
9/13/2019					<0.001			<0.001	
9/16/2019							8.4E-05 (J)		
9/17/2019	<0.001	<0.001	<0.001			<0.001			
9/18/2019									
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020				5.9E-05 (J)	<0.001			<0.001	<0.001
3/12/2020	<0.001	<0.001	<0.001			5.4E-05 (J)			
3/13/2020									
3/16/2020							<0.001		
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020				<0.001					<0.001
9/16/2020					<0.001		<0.001		
9/17/2020	<0.001					<0.001			
9/21/2020		<0.001	<0.001						
9/22/2020									
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021									<0.001
3/17/2021				<0.001	<0.001		<0.001		
3/18/2021	<0.001					<0.001			
3/19/2021		<0.001	<0.001						
3/29/2021								<0.001	
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021				<0.001	<0.001		<0.001	<0.001	<0.001
8/10/2021	<0.001								
8/11/2021		<0.001	<0.001			<0.001			
8/12/2021									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-11	GWC-11R	GWA-50R (bg)	GWA-50 (bg)	GWC-10R	GWC-5	GWA-3A (bg)	GWA-1 (bg)
1/31/2022									
2/1/2022					<0.001				<0.001
2/2/2022				<0.001			<0.001	<0.001	
2/3/2022									
2/4/2022	<0.001	<0.001	<0.001			<0.001			
2/7/2022									
2/17/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022					<0.001		<0.001	<0.001	<0.001
8/17/2022	<0.001			<0.001					
8/18/2022		<0.001	<0.001			<0.001			
8/19/2022									
2/13/2023									
2/14/2023									
2/16/2023				<0.001	<0.001				<0.001
2/17/2023								<0.001	
2/20/2023	<0.001	<0.001	<0.001			<0.001	<0.001		
2/21/2023									
2/22/2023									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWC-12	GWC-13RZ	GWC-13	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-43R (bg)
3/30/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015	<0.001								
10/14/2015		<0.001	<0.001						
10/15/2015				<0.001					
3/10/2016					0.00116	<0.001	<0.001	<0.001	
3/11/2016									<0.001
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	<0.001								
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016		<0.001	<0.001	<0.001					
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									<0.001
5/16/2016									
5/17/2016							<0.001	<0.001	
5/18/2016					0.000768 (J)	<0.001			
5/19/2016									
5/20/2016	<0.001								
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016		<0.001							
5/31/2016				<0.001					
6/1/2016			<0.001						
7/19/2016									<0.001
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016								7E-05 (J)	
7/27/2016					0.0004 (J)	9E-05 (J)	9E-05 (J)		
7/28/2016									
7/29/2016	<0.001								
8/1/2016									
8/2/2016									
8/3/2016		<0.001							

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWC-12	GWC-13RZ	GWC-13	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-43R (bg)
8/4/2016				<0.001					
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									<0.001
9/19/2016									
9/20/2016					0.0004 (J)	<0.001	<0.001	<0.001	
9/21/2016									
9/22/2016									
9/23/2016	<0.001								
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016				<0.001					
9/30/2016		<0.001							
11/2/2016									<0.001
11/3/2016									
11/4/2016					0.0003 (J)		<0.001	<0.001	
11/7/2016						<0.001			
11/9/2016	<0.001								
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016		<0.001							
11/23/2016									
11/28/2016				<0.001					
1/17/2017									
1/18/2017									<0.001
1/19/2017									
1/20/2017					0.0003 (J)			<0.001	
1/23/2017						<0.001	<0.001		
1/24/2017									
1/30/2017									
1/31/2017	<0.001								
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017				<0.001					
2/10/2017									
2/13/2017		<0.001							
2/21/2017									
2/22/2017			<0.001						
3/24/2017									
3/27/2017									
3/28/2017							6E-05 (J)	7E-05 (J)	<0.001
3/29/2017					0.0003 (J)	7E-05 (J)			
3/30/2017	<0.001								
4/3/2017									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWC-12	GWC-13RZ	GWC-13	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-43R (bg)
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017		<0.001	<0.001						
4/12/2017				<0.001					
5/24/2017									
6/5/2017									
6/6/2017									<0.001
6/7/2017								6E-05 (J)	
6/8/2017					0.0003 (J)	<0.001	8E-05 (J)		
6/9/2017									
6/12/2017	<0.001								
6/13/2017									
6/14/2017		<0.001							
6/15/2017									
6/16/2017			<0.001	<0.001					
7/12/2017			6E-05 (J)						
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017			<0.001						
8/9/2017									
8/10/2017			<0.001						
8/24/2017									
9/22/2017									<0.001
9/25/2017									
9/26/2017									
9/27/2017					0.0003 (J)	6E-05 (J)			
9/29/2017							9E-05 (J)	6E-05 (J)	
10/2/2017	<0.001								
10/3/2017									
10/4/2017		<0.001							
10/5/2017									
10/6/2017			<0.001						
10/9/2017				<0.001					
3/14/2018									
3/15/2018						<0.001	<0.001	<0.001	<0.001
3/16/2018					0.00036 (J)				
3/19/2018	<0.001								
3/20/2018									
3/21/2018				<0.001					
3/22/2018		<0.001							
3/23/2018			<0.001						
9/12/2018									<0.001
9/13/2018					0.00021 (J)	<0.001	<0.001	<0.001	
9/14/2018	<0.001								
9/17/2018									
9/18/2018		<0.001							
9/19/2018				<0.001					
9/20/2018			<0.001						

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWC-12	GWC-13RZ	GWC-13	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-43R (bg)
3/13/2019									<0.001
3/14/2019									
3/15/2019						<0.001	<0.001		
3/18/2019								<0.001	
3/19/2019					0.00027 (J)				
3/20/2019	<0.001								
3/21/2019									
3/22/2019			<0.001						
3/23/2019		<0.001		<0.001					
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019					0.00023 (J)		0.000115 (JD)	<0.001	<0.001
9/12/2019	<0.001 (D)					<0.001			
9/13/2019									
9/16/2019									
9/17/2019		<0.001 (D)							
9/18/2019			<0.001	<0.001					
3/6/2020									
3/9/2020					0.00021 (J)	<0.001	9E-05 (J)		<0.001
3/10/2020								<0.001	
3/11/2020	<0.001								
3/12/2020		<0.001							
3/13/2020				<0.001					
3/16/2020									
3/17/2020			<0.001						
9/10/2020									
9/11/2020									
9/14/2020						<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001				0.00016 (J)				
9/16/2020									
9/17/2020									
9/21/2020		<0.001							
9/22/2020			<0.001	<0.001					
3/10/2021									
3/11/2021					<0.001	<0.001	<0.001	<0.001	<0.001
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021	<0.001								
3/18/2021				<0.001					
3/19/2021		<0.001	<0.001						
3/29/2021									
8/4/2021							<0.001		
8/5/2021					<0.001	<0.001		<0.001	<0.001
8/6/2021									
8/9/2021	<0.001								
8/10/2021									
8/11/2021		<0.001		<0.001					
8/12/2021			<0.001						

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWC-12	GWC-13RZ	GWC-13	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-43R (bg)
1/31/2022							<0.001	<0.001	<0.001
2/1/2022	<0.001				<0.001	<0.001			
2/2/2022		<0.001							
2/3/2022									
2/4/2022			<0.001						
2/7/2022									
2/17/2022				<0.001					
8/10/2022									<0.001
8/11/2022									
8/12/2022									
8/15/2022					<0.001	<0.001	<0.001	<0.001	
8/16/2022	<0.001								
8/17/2022									
8/18/2022		<0.001		<0.001					
8/19/2022			<0.001						
2/13/2023									<0.001
2/14/2023					<0.001	<0.001	<0.001	<0.001	
2/16/2023	<0.001								
2/17/2023									
2/20/2023									
2/21/2023		<0.001							
2/22/2023			<0.001	<0.001					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWC-44	GWC-45
3/30/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016	<0.001	<0.001							
3/14/2016			<0.001						
3/15/2016				<0.001	<0.001	<0.001			
3/16/2016							<0.001	<0.001	<0.001
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016			<0.001	<0.001					
5/12/2016					<0.001				
5/13/2016	<0.001					<0.001			
5/16/2016		<0.001					<0.001 (D)	<0.001	<0.001 (D)
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016	<0.001 (*)		<0.001 (*)						
7/20/2016					<0.001				
7/21/2016				<0.001		<0.001			
7/22/2016		0.0002 (J)							
7/25/2016							<0.001 (D)	<0.001	<0.001 (D)
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016									
8/2/2016									
8/3/2016									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWC-44	GWC-45
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016			<0.001	<0.001	<0.001				
9/16/2016	<0.001								
9/19/2016		<0.001					<0.001 (D)	<0.001	<0.001 (D)
9/20/2016									
9/21/2016						<0.001			
9/22/2016									
9/23/2016									
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016	<0.001		<0.001						
11/3/2016		<0.001		<0.001	<0.001	<0.001	<0.001 (D)	<0.001	
11/4/2016									<0.001 (D)
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017		<0.001		<0.001		<0.001			
1/18/2017	<0.001		<0.001		<0.001				
1/19/2017								<0.001	
1/20/2017							<0.001 (D)		
1/23/2017									<0.001 (D)
1/24/2017									
1/30/2017									
1/31/2017									
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017				<0.001	<0.001				
3/27/2017		<0.001				<0.001			
3/28/2017	5E-05 (J)		5E-05 (J)					5E-05 (J)	
3/29/2017							<0.001 (D)		<0.001 (D)
3/30/2017									
4/3/2017									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWC-44	GWC-45
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017				<0.001					
6/5/2017								5E-05 (J)	
6/6/2017	<0.001				<0.001	0.0002 (J)			
6/7/2017		<0.001	<0.001				<0.001		<0.001
6/8/2017									
6/9/2017									
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017	<0.001								
9/25/2017					<0.001	<0.001			
9/26/2017		<0.001	7E-05 (J)	<0.001				<0.001	
9/27/2017							<0.001		<0.001
9/29/2017									
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/15/2018							<0.001	<0.001	<0.001
3/16/2018									
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	<0.001		<0.001	<0.001	<0.001	<0.001		<0.001	
9/13/2018							<0.001		<0.001
9/14/2018		<0.001							
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWC-44	GWC-45
3/13/2019	<0.001			<0.001					
3/14/2019		<0.001			<0.001	<0.001	<0.001 (D)	<0.001	<0.001 (D)
3/15/2019			<0.001						
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019			<0.001	<0.001					
9/10/2019		<0.001			<0.001 (D)	<0.001			
9/11/2019	6.2E-05 (J)						<0.001 (D)	<0.001	<0.001 (D)
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020		8.6E-05 (J)			<0.001				
3/9/2020	<0.001		<0.001	7.8E-05 (J)		6.1E-05 (J)			
3/10/2020							<0.001	<0.001	<0.001
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020		<0.001	<0.001		<0.001	<0.001			
9/11/2020	<0.001			<0.001			<0.001		<0.001
9/14/2020									
9/15/2020								<0.001	
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021				<0.001		<0.001			
3/11/2021	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001
3/12/2021			<0.001						
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
8/5/2021									
8/6/2021	<0.001						<0.001		<0.001
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWC-44	GWC-45
1/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
2/1/2022							<0.001		<0.001
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
8/10/2022		<0.001	<0.001						
8/11/2022	<0.001				<0.001	<0.001			
8/12/2022				<0.001			<0.001		<0.001
8/15/2022								<0.001	
8/16/2022									
8/17/2022									
8/18/2022									
8/19/2022									
2/13/2023		<0.001	<0.001	<0.001	<0.001	<0.001			
2/14/2023	<0.001						<0.001	<0.001	<0.001
2/16/2023									
2/17/2023									
2/20/2023									
2/21/2023									
2/22/2023									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/30/2015					
10/6/2015					
10/7/2015					
10/8/2015					
10/9/2015					
10/10/2015					
10/11/2015					
10/12/2015					
10/13/2015					
10/14/2015					
10/15/2015					
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016	<0.001	<0.001			
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016					
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			<0.001 (D)		
5/17/2016					
5/18/2016	<0.001	<0.001			
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016				<0.001	
6/1/2016					
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016	0.0001 (J)		0.0002 (JD)		
7/28/2016		<0.001			
7/29/2016					
8/1/2016					
8/2/2016				<0.001	
8/3/2016					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/4/2016					
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016	<0.001	<0.001			
9/22/2016					
9/23/2016					
9/26/2016					
9/27/2016				<0.001	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016	<0.001				
11/7/2016		<0.001			
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				<0.001	
11/22/2016					
11/23/2016					
11/28/2016					
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017	<0.001	<0.001			
1/30/2017					
1/31/2017					
2/1/2017				<0.001	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017					
2/10/2017					
2/13/2017					
2/21/2017			<0.001		
2/22/2017					<0.001
3/24/2017					
3/27/2017			<0.001 (D)		
3/28/2017					
3/29/2017	<0.001				
3/30/2017		5E-05 (J)			
4/3/2017					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/6/2017				<0.001	
4/7/2017					<0.001
4/10/2017					
4/11/2017					
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017	<0.001		<0.001 (D)		
6/9/2017		<0.001			
6/12/2017					
6/13/2017				<0.001	
6/14/2017					<0.001 (D)
6/15/2017					
6/16/2017					
7/12/2017					<0.001 (D)
7/14/2017				<0.001	
7/17/2017			<0.001 (D)		
7/20/2017					<0.001 (D)
7/26/2017					
7/27/2017			<0.001		
7/28/2017					<0.001
8/9/2017			<0.001		<0.001
8/10/2017					
8/24/2017					<0.001
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	<0.001	<0.001	<0.001 (D)		
10/2/2017					
10/3/2017				<0.001	<0.001 (D)
10/4/2017					
10/5/2017					
10/6/2017					
10/9/2017					
3/14/2018					
3/15/2018	<0.001	<0.001			
3/16/2018			<0.001		
3/19/2018					
3/20/2018				<0.001	
3/21/2018					<0.001
3/22/2018					
3/23/2018					
9/12/2018					
9/13/2018	<0.001				
9/14/2018		<0.001	<0.001		
9/17/2018					
9/18/2018				<0.001	<0.001
9/19/2018					
9/20/2018					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/13/2019					
3/14/2019			<0.001		
3/15/2019					
3/18/2019	<0.001				
3/19/2019		<0.001			
3/20/2019					
3/21/2019				<0.001	<0.001 (D)
3/22/2019					
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019	<0.001	<0.001			
9/12/2019					<0.001 (D)
9/13/2019				5.7E-05 (J)	
9/16/2019					
9/17/2019					
9/18/2019					
3/6/2020					
3/9/2020		<0.001	<0.001		
3/10/2020					
3/11/2020	<0.001				
3/12/2020				0.00022 (J)	<0.001
3/13/2020					
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020	<0.001				
9/14/2020		<0.001			
9/15/2020					
9/16/2020			<0.001	0.00019 (J)	
9/17/2020					<0.001
9/21/2020					
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021	<0.001	<0.001			
3/16/2021			<0.001		<0.001
3/17/2021				0.00015 (J)	
3/18/2021					
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021		<0.001			
8/6/2021			<0.001		
8/9/2021					
8/10/2021				<0.001	<0.001
8/11/2021	<0.001				
8/12/2021					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
1/31/2022					
2/1/2022	<0.001	<0.001			
2/2/2022			<0.001	<0.001	
2/3/2022					<0.001
2/4/2022					
2/7/2022					
2/17/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022	<0.001	<0.001			
8/16/2022			<0.001		
8/17/2022				0.00024 (J)	<0.001
8/18/2022					
8/19/2022					
2/13/2023					
2/14/2023	<0.001	<0.001	<0.001		
2/16/2023					
2/17/2023					<0.001
2/20/2023				<0.001	
2/21/2023					
2/22/2023					

FIGURE G.

Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.0007304	-386	-223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.002394	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0002083	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003935	130	81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003764	-213	-176	Yes	34	2.941	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007352	-284	-161	Yes	32	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.00644	499	214	Yes	39	0	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-3A (bg)	-0.001445	-248	-184	Yes	35	14.29	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50 (bg)	-0.0006787	-345	-146	Yes	30	13.33	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50R (bg)	-0.001264	-250	-139	Yes	29	3.448	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.002007	-388	-161	Yes	32	15.63	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001556	-157	-146	Yes	30	43.33	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004833	-354	-146	Yes	30	3.333	n/a	n/a	0.01	NP

Appendix I Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-1 (bg)	0	2	223	No	40	40	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2 (bg)	0	0	2.58	No	41	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2R (bg)	0	40	223	No	40	42.5	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39RZ (bg)	-0.00006104	-16	-68	No	18	22.22	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39Z (bg)	0	12	81	No	20	35	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-3A (bg)	0	-60	-223	No	40	67.5	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-40 (bg)	0	-5	-81	No	20	90	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41 (bg)	0	-11	-81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41R (bg)	0	-10	-81	No	20	55	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-42 (bg)	0	15	81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43 (bg)	0	-7	-81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43R (bg)	0	-11	-81	No	20	70	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-4RZ (bg)	0	15	81	No	20	50	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50 (bg)	0	-46	-184	No	35	88.57	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50R (bg)	0	-24	-184	No	35	97.14	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-49R	0	10	81	No	20	55	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-1 (bg)	-0.0007304	-386	-223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	0.0004924	103	214	No	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2R (bg)	0.000543	191	214	No	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39RZ (bg)	-0.0003453	-19	-74	No	19	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39Z (bg)	-0.0001633	-6	-81	No	20	5	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3A (bg)	-0.0001784	-133	-152	No	31	3.226	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-40 (bg)	-0.0003677	-79	-81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41 (bg)	-0.001065	-73	-81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41R (bg)	0.0004941	19	81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-42 (bg)	0	8	81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.002394	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0002083	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003935	130	81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003764	-213	-176	Yes	34	2.941	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007352	-284	-161	Yes	32	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.00644	499	214	Yes	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-45	0.0001021	79	81	No	20	0	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-1 (bg)	0	-77	-206	No	38	76.32	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-2 (bg)	0	-74	-206	No	38	68.42	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-2R (bg)	0	-59	-223	No	40	85	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-39RZ (bg)	0	2	74	No	19	47.37	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-39Z (bg)	0	-10	-74	No	19	94.74	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-3A (bg)	0	-79	-191	No	36	80.56	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-40 (bg)	0	-10	-81	No	20	80	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-41 (bg)	0	-3	-81	No	20	90	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-41R (bg)	0	-2	-81	No	20	90	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-42 (bg)	0	-7	-81	No	20	95	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-43 (bg)	0	-17	-81	No	20	75	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-43R (bg)	0	3	81	No	20	45	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-4RZ (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-50 (bg)	0	35	184	No	35	88.57	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-50R (bg)	0	150	184	No	35	71.43	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-45R	0	6	81	No	20	80	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-1 (bg)	0	-159	-191	No	36	66.67	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-2 (bg)	0	-97	-191	No	36	72.22	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-2R (bg)	0	-140	-191	No	36	61.11	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-39RZ (bg)	0	3	48	No	14	85.71	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-39Z (bg)	0	14	74	No	19	84.21	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-3A (bg)	-0.001445	-248	-184	Yes	35	14.29	n/a	n/a	0.01	NP

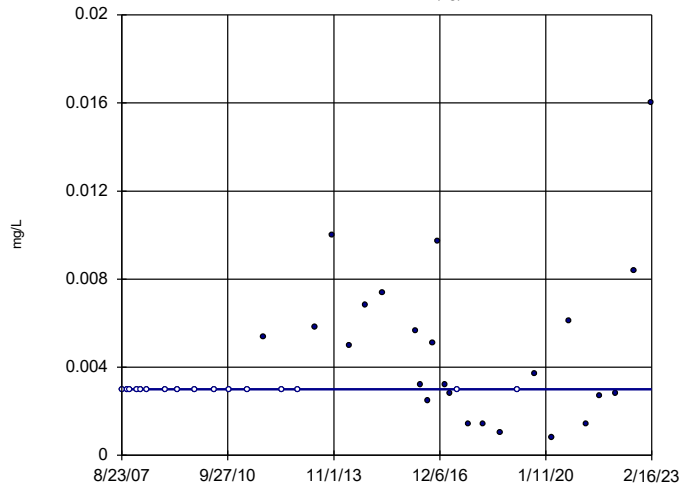
Appendix I Trend Tests - Prediction Limit Exceedances - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Copper (mg/L)	GWA-40 (bg)	0	-4	-74	No	19	94.74	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-41 (bg)	0	8	74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-41R (bg)	0	-25	-74	No	19	52.63	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-42 (bg)	0	5	74	No	19	89.47	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-43 (bg)	0	-20	-74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-43R (bg)	0	-10	-74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-4RZ (bg)	0	13	43	No	13	76.92	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50 (bg)	-0.0006787	-345	-146	Yes	30	13.33	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50R (bg)	-0.001264	-250	-139	Yes	29	3.448	n/a	n/a	0.01	NP
Copper (mg/L)	GWC-44	0	-4	-74	No	19	63.16	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-1 (bg)	0	-1.648	-2.58	No	41	97.56	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2 (bg)	0	-0.3025	-2.58	No	41	95.12	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2R (bg)	0	0	2.58	No	41	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39RZ (bg)	0	-2	-74	No	19	94.74	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39Z (bg)	0	-13	-81	No	20	95	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-3A (bg)	0	-39	-223	No	40	97.5	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-40 (bg)	0	-13	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41 (bg)	0	-31	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41R (bg)	0	-31	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-42 (bg)	0	-30	-81	No	20	85	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43R (bg)	0	-13	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-4RZ (bg)	0	15	81	No	20	95	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50 (bg)	0	8	184	No	35	97.14	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50R (bg)	0	0	184	No	35	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWC-48	0	-41	-87	No	21	61.9	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-1 (bg)	0	-173	-184	No	35	74.29	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2 (bg)	0	-47	-176	No	34	70.59	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2R (bg)	0	-77	-184	No	35	80	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39RZ (bg)	0	-10	-53	No	15	66.67	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39Z (bg)	-0.00006863	-24	-68	No	18	38.89	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.002007	-388	-161	Yes	32	15.63	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-40 (bg)	0	0	74	No	19	100	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41 (bg)	0	25	74	No	19	63.16	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41R (bg)	0	-18	-74	No	19	57.89	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-42 (bg)	-0.00005021	-51	-74	No	19	10.53	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43 (bg)	0.000006697	34	74	No	19	42.11	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43R (bg)	0	8	74	No	19	94.74	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-4RZ (bg)	0	3	43	No	13	84.62	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001556	-157	-146	Yes	30	43.33	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004833	-354	-146	Yes	30	3.333	n/a	n/a	0.01	NP
Nickel (mg/L)	GWC-48	0.0002105	66	74	No	19	5.263	n/a	n/a	0.01	NP

Sen's Slope Estimator

GWA-1 (bg)

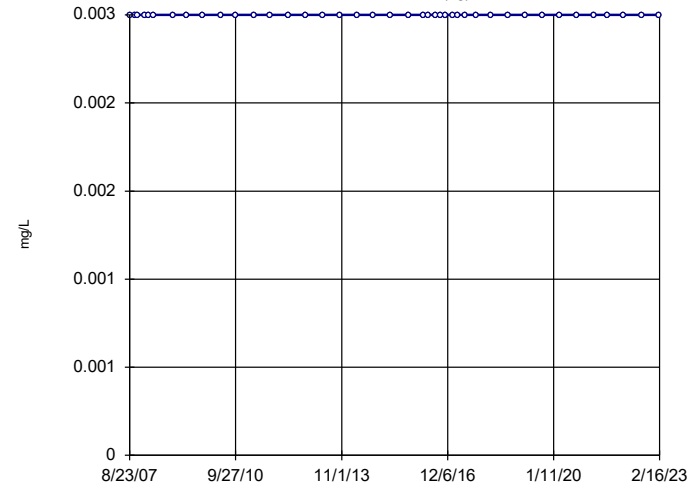


n = 40
Slope = 0
units per year.
Mann-Kendall
statistic = 2
critical = 223
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

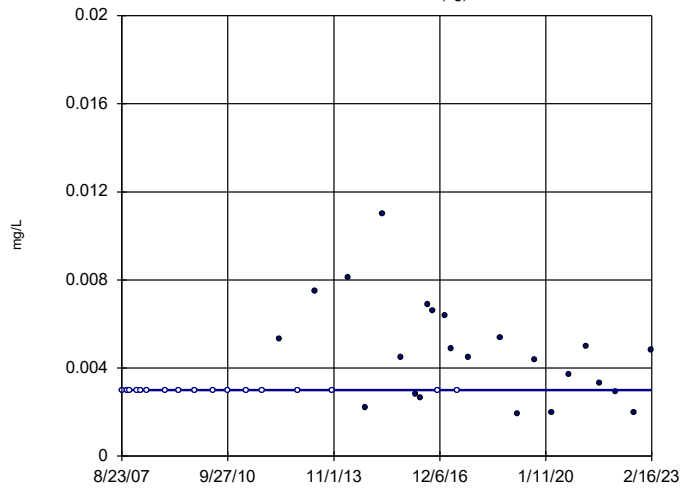


n = 41
Slope = 0
units per year.
Mann-Kendall
normal approx. =
0
critical = 2.58
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2R (bg)

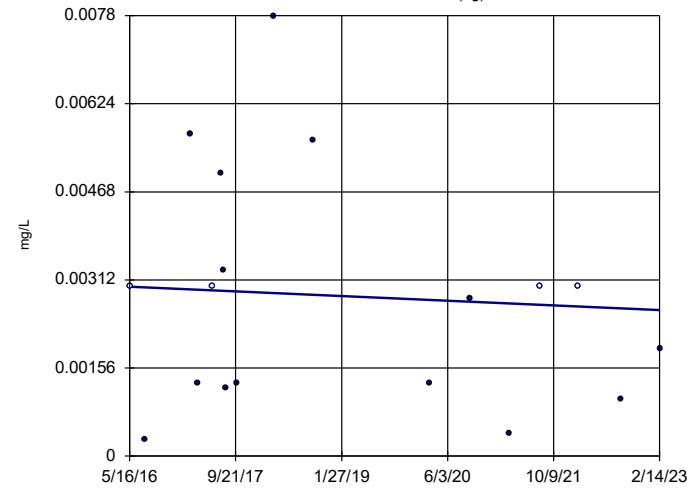


n = 40
Slope = 0
units per year.
Mann-Kendall
statistic = 40
critical = 223
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

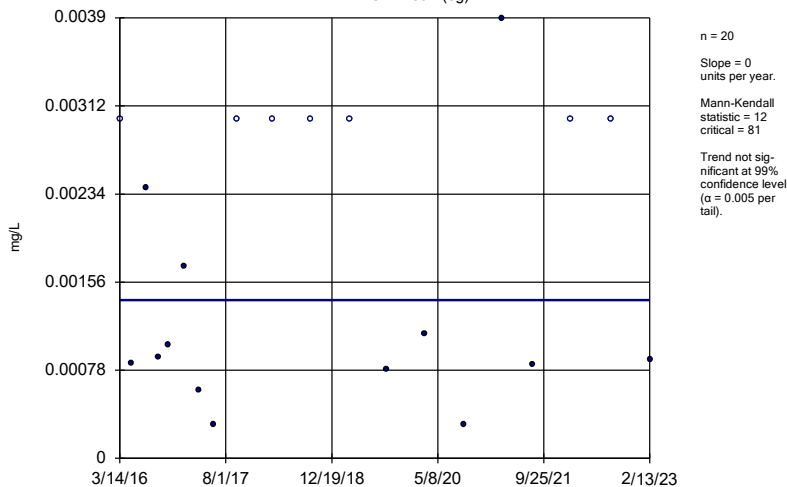


n = 18
Slope = -0.00006104
units per year.
Mann-Kendall
statistic = -16
critical = -68
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

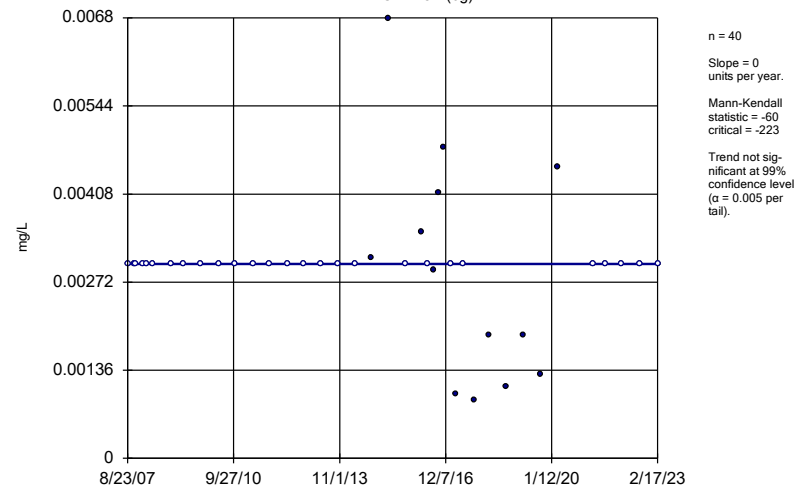
GWA-39Z (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

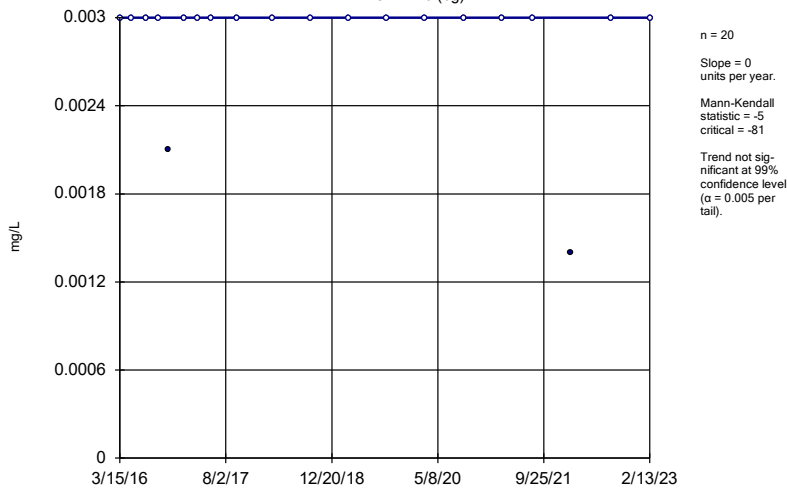
GWA-3A (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

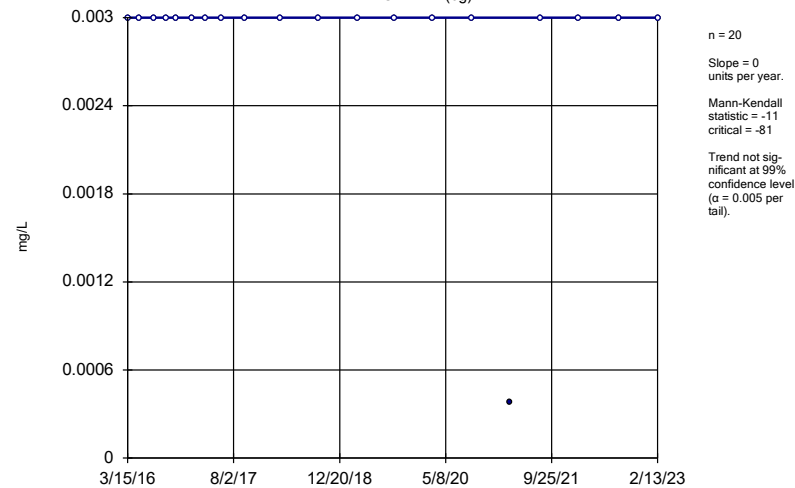
GWA-40 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

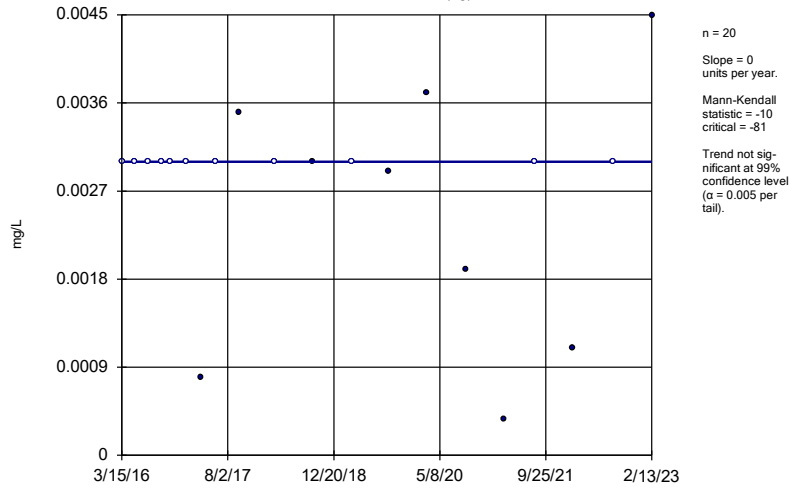
GWA-41 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

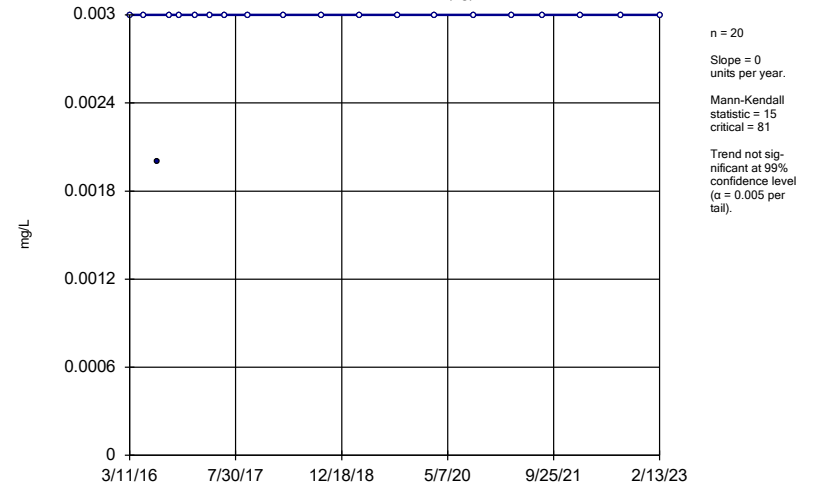
GWA-41R (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

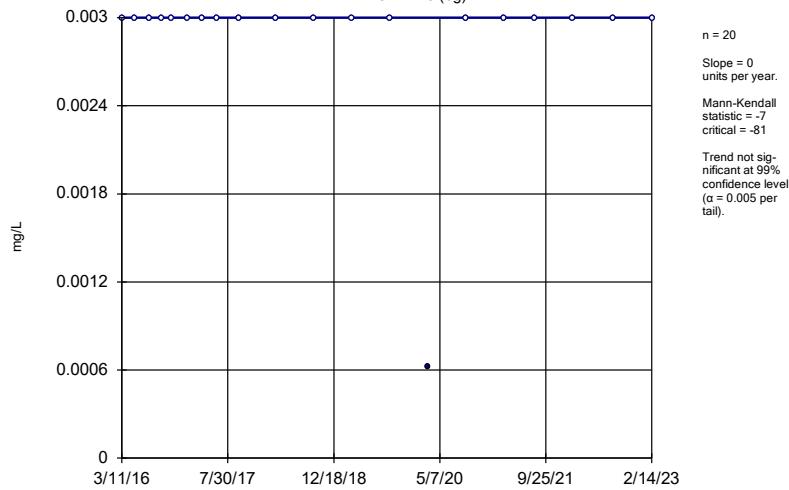
GWA-42 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

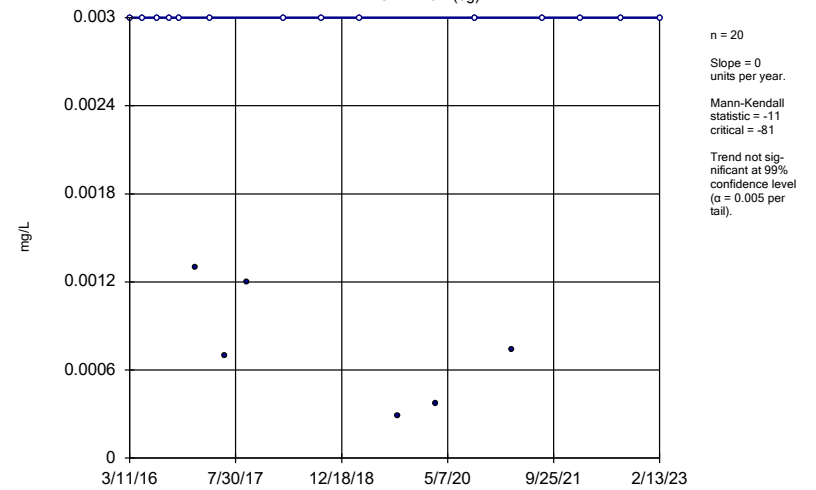
GWA-43 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

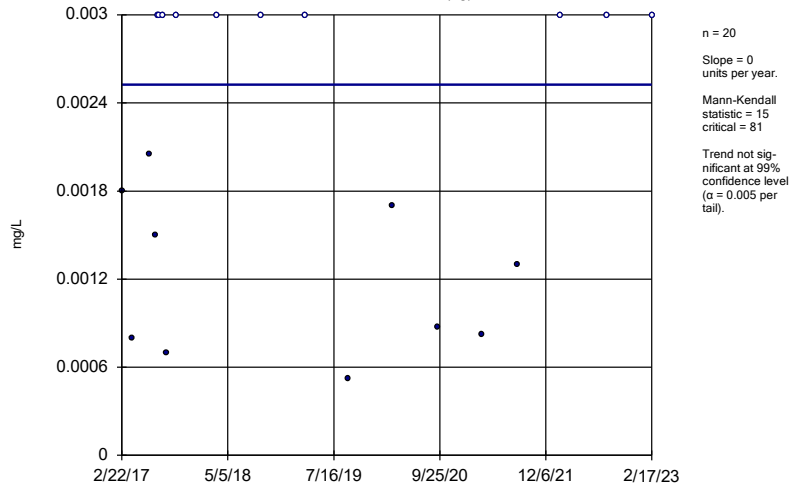
GWA-43R (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

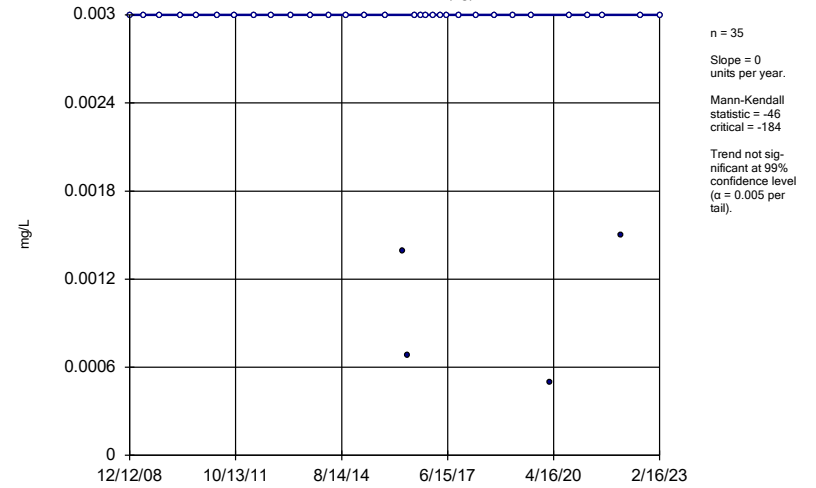
GWA-4RZ (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

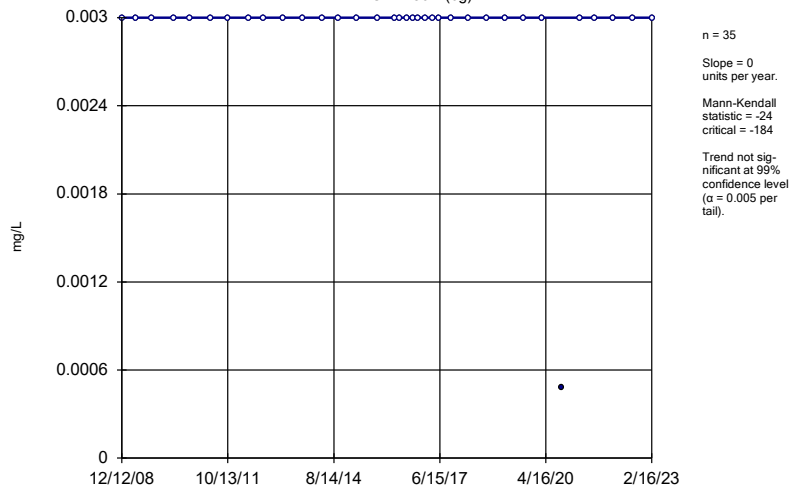
GWA-50 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

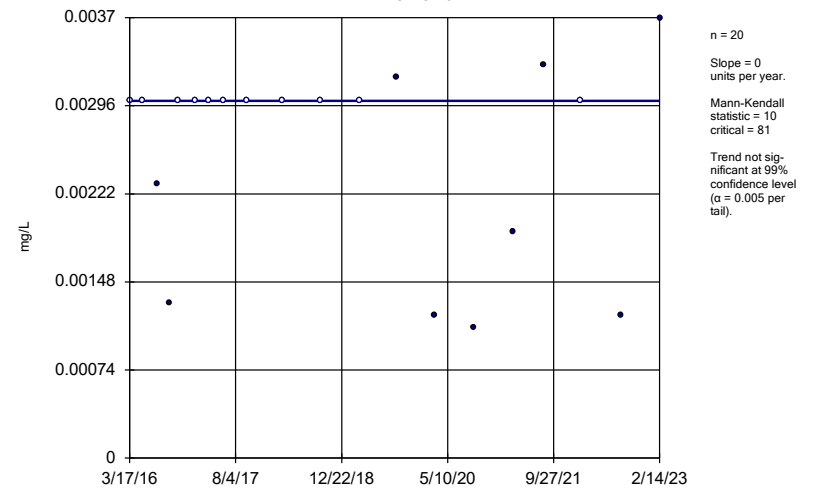
GWA-50R (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

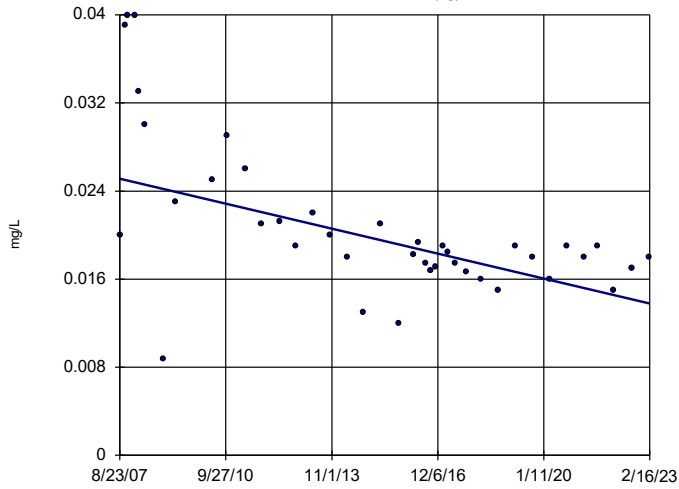
GWC-49R



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-1 (bg)

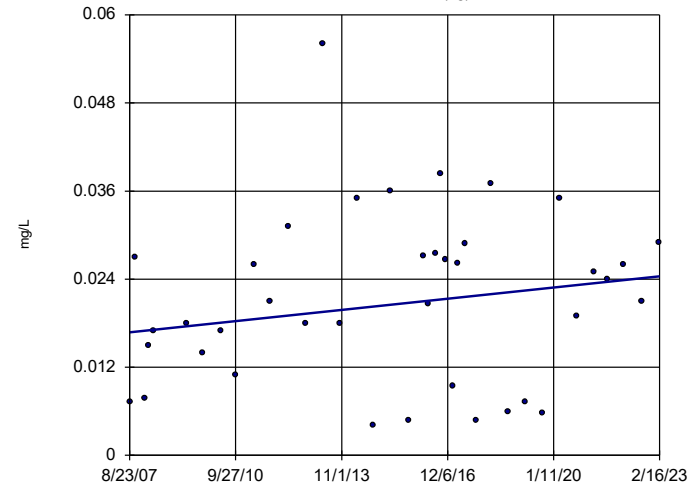


n = 40
 Slope = -0.0007304 units per year.
 Mann-Kendall statistic = -386
 critical = -223
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

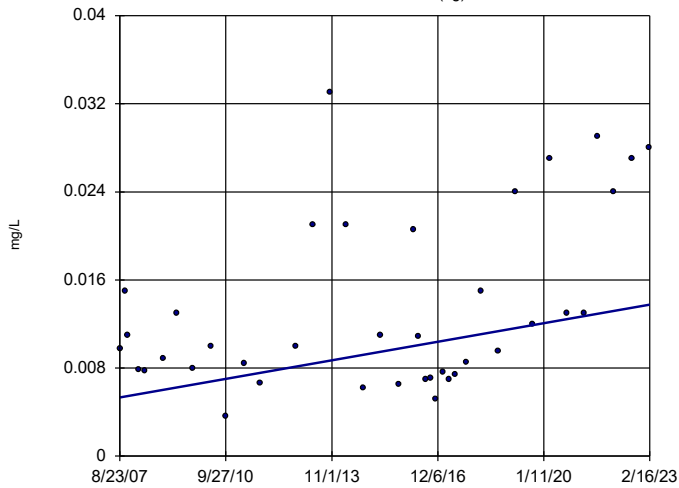


n = 39
 Slope = 0.0004924 units per year.
 Mann-Kendall statistic = 103
 critical = 214
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2R (bg)

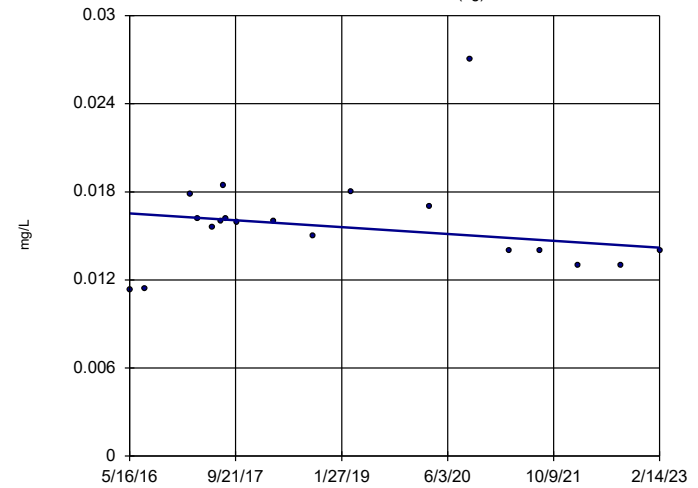


n = 39
 Slope = 0.000543 units per year.
 Mann-Kendall statistic = 191
 critical = 214
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

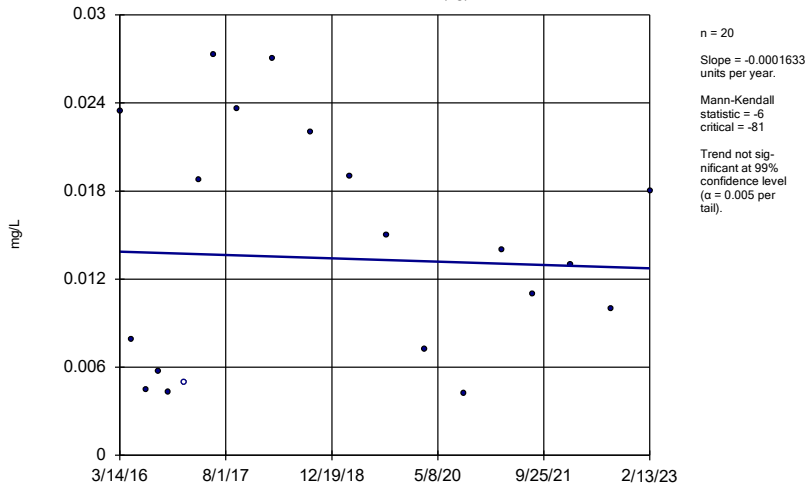


n = 19
 Slope = -0.0003453 units per year.
 Mann-Kendall statistic = -19
 critical = -74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

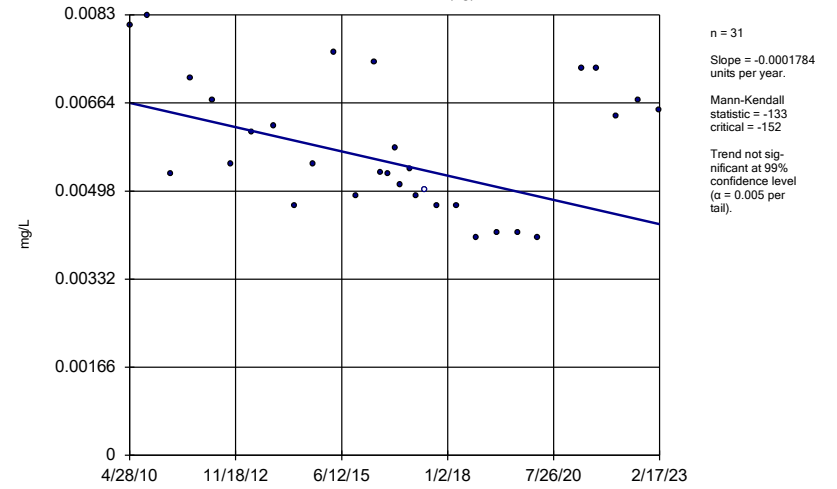
GWA-39Z (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

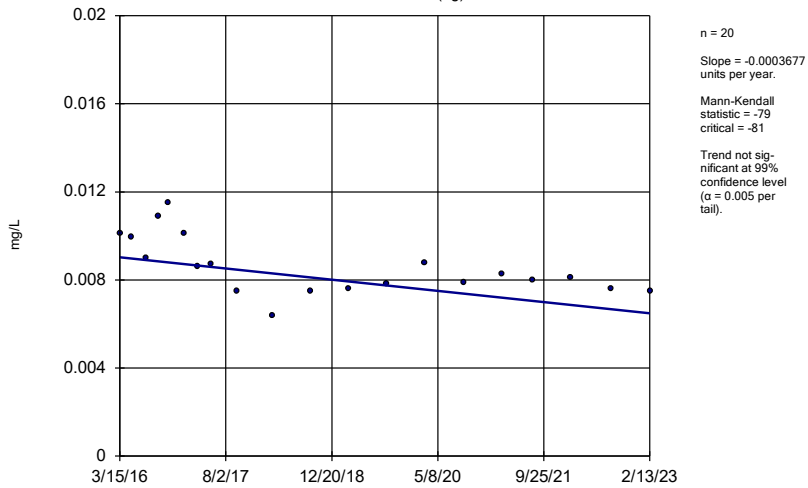
GWA-3A (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

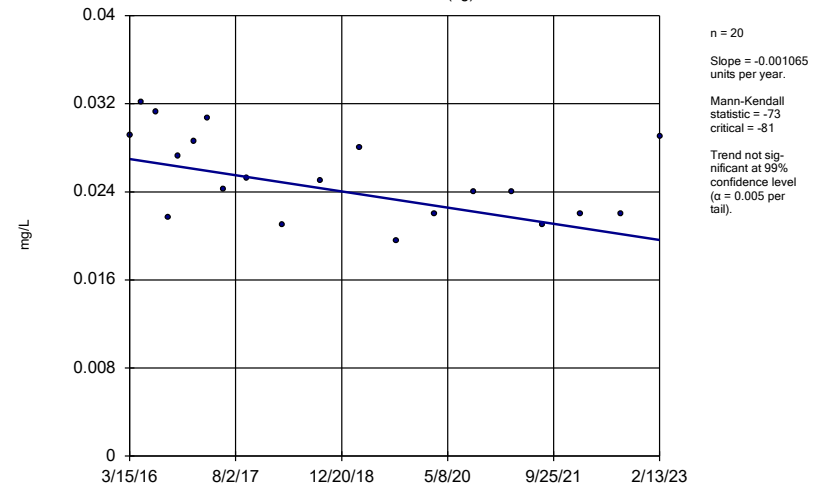
GWA-40 (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

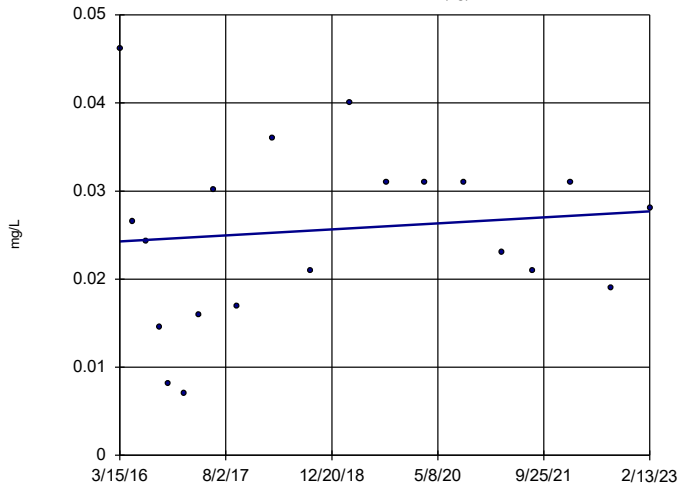
GWA-41 (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

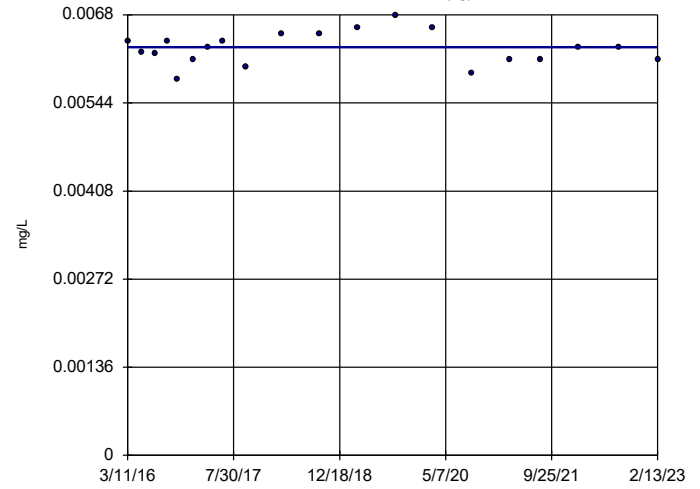


n = 20
 Slope = 0.0004941 units per year.
 Mann-Kendall statistic = 19
 critical = 81
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

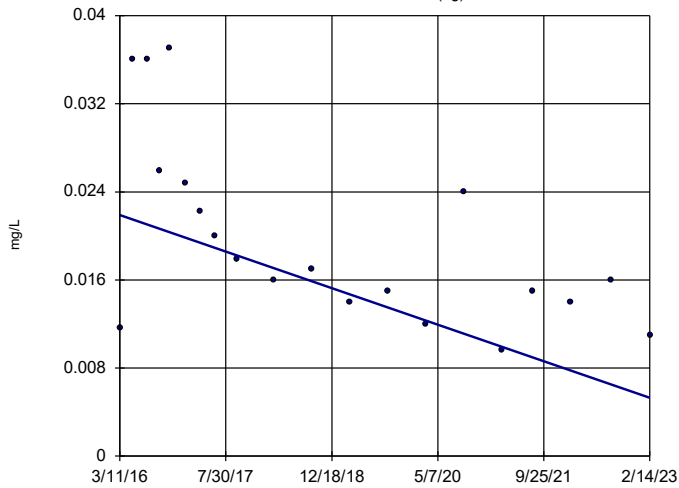


n = 20
 Slope = 0 units per year.
 Mann-Kendall statistic = 8
 critical = 81
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43 (bg)

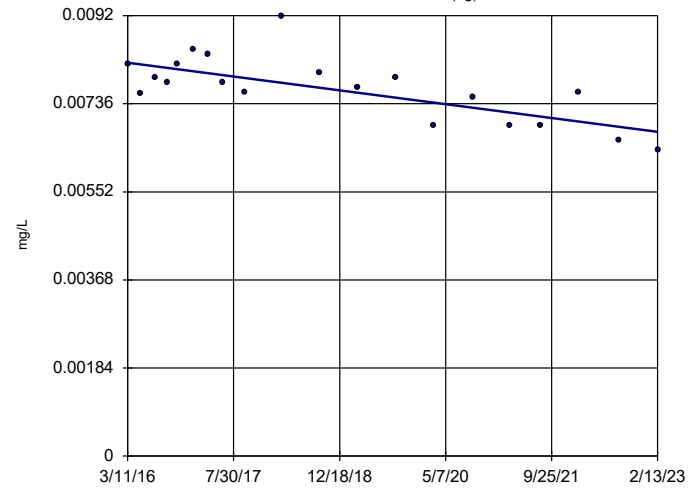


n = 20
 Slope = -0.002394 units per year.
 Mann-Kendall statistic = -103
 critical = -81
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43R (bg)

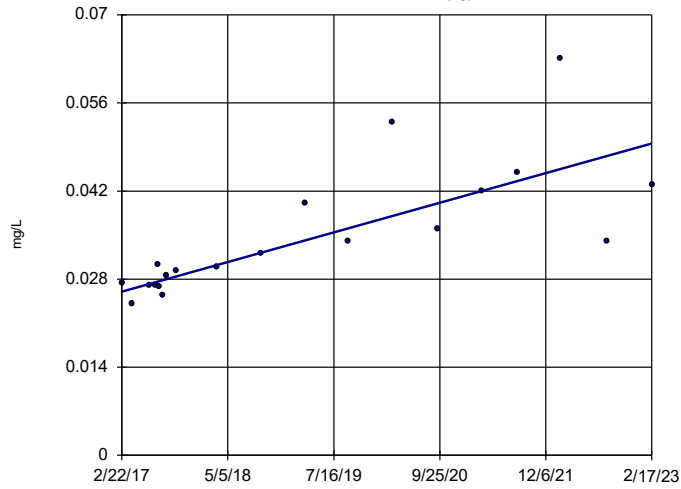


n = 20
 Slope = -0.0002083 units per year.
 Mann-Kendall statistic = -94
 critical = -81
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-4RZ (bg)

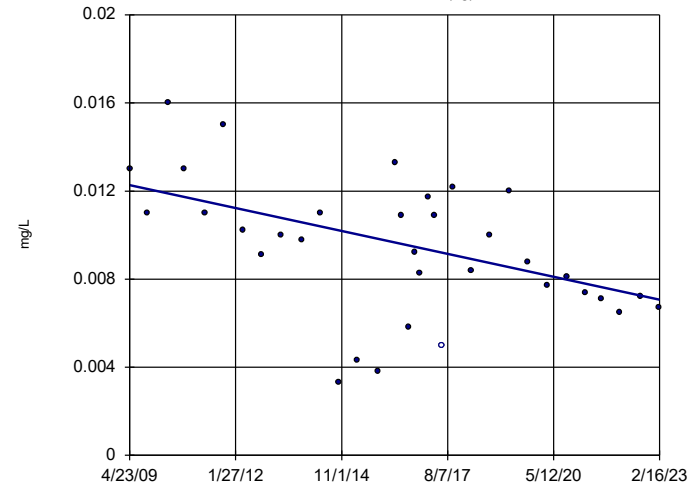


n = 20
 Slope = 0.003935
 units per year.
 Mann-Kendall
 statistic = 130
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50 (bg)

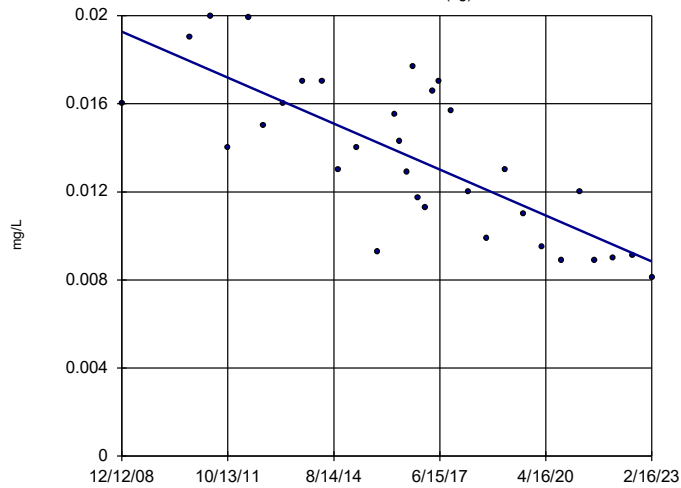


n = 34
 Slope = -0.0003764
 units per year.
 Mann-Kendall
 statistic = -213
 critical = -176
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50R (bg)

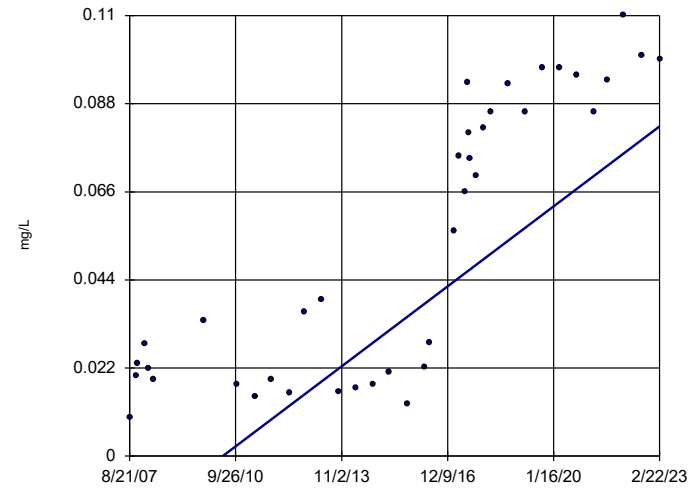


n = 32
 Slope = -0.0007352
 units per year.
 Mann-Kendall
 statistic = -284
 critical = -161
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-13RZ

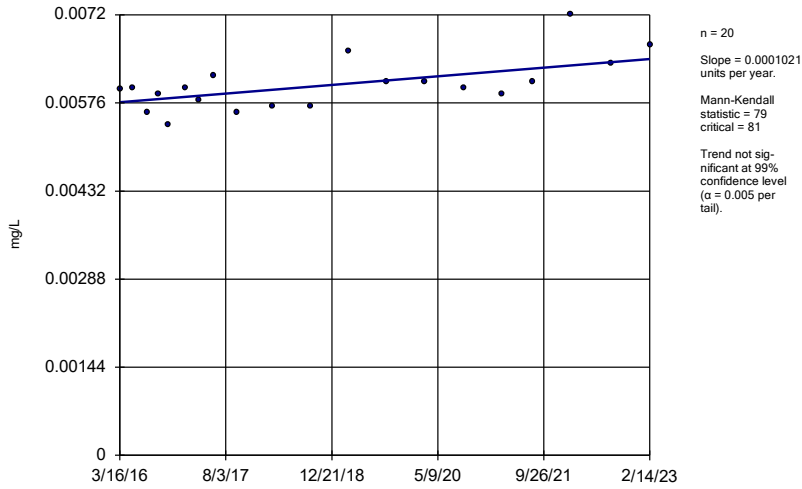


n = 39
 Slope = 0.00644
 units per year.
 Mann-Kendall
 statistic = 499
 critical = 214
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

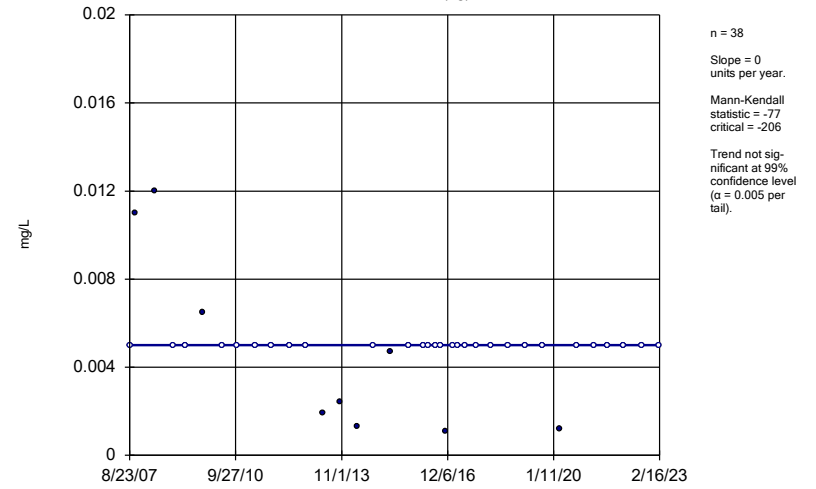
GWC-45



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

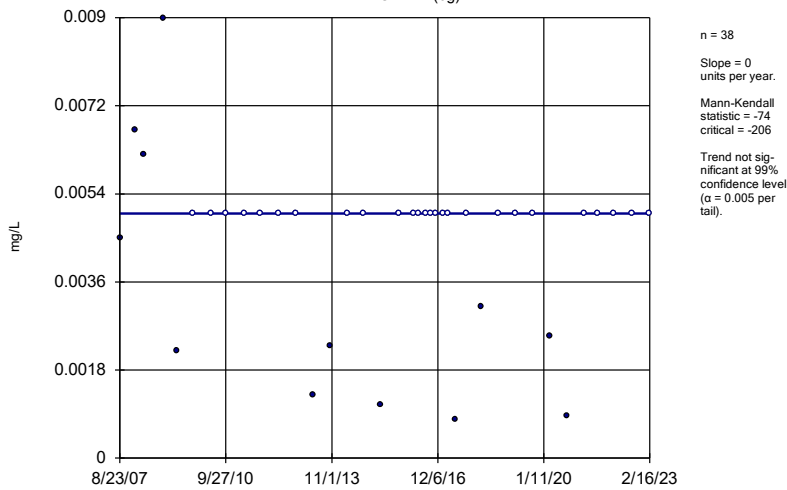
GWA-1 (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

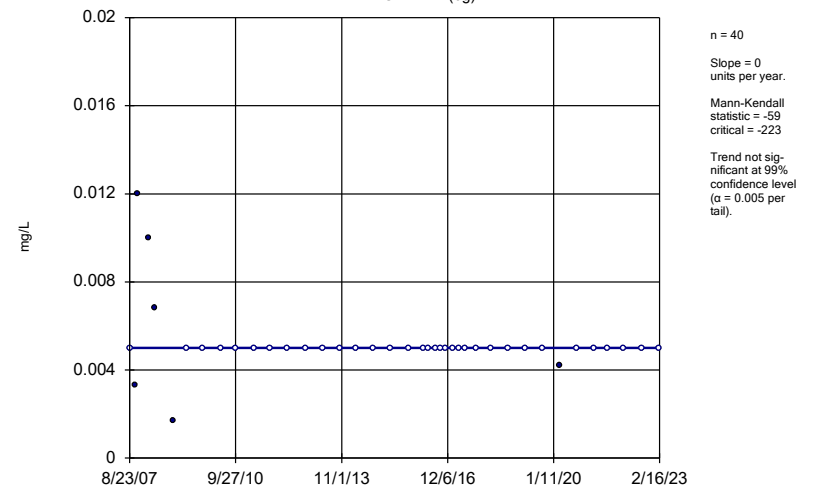
GWA-2 (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

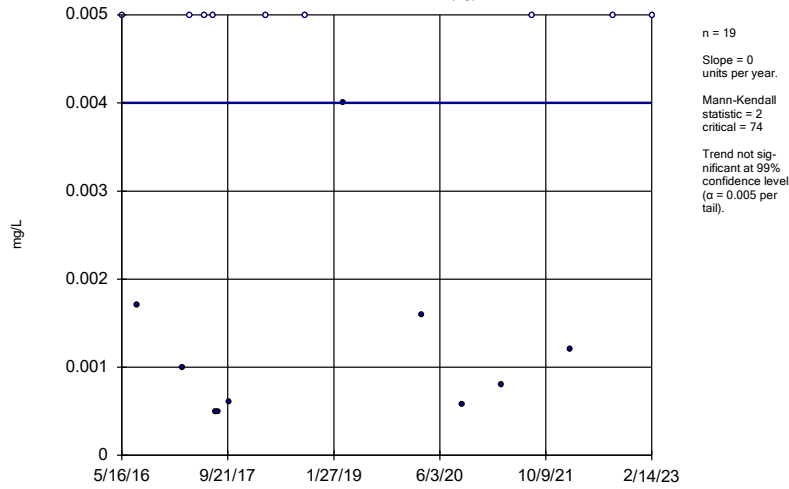
GWA-2R (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

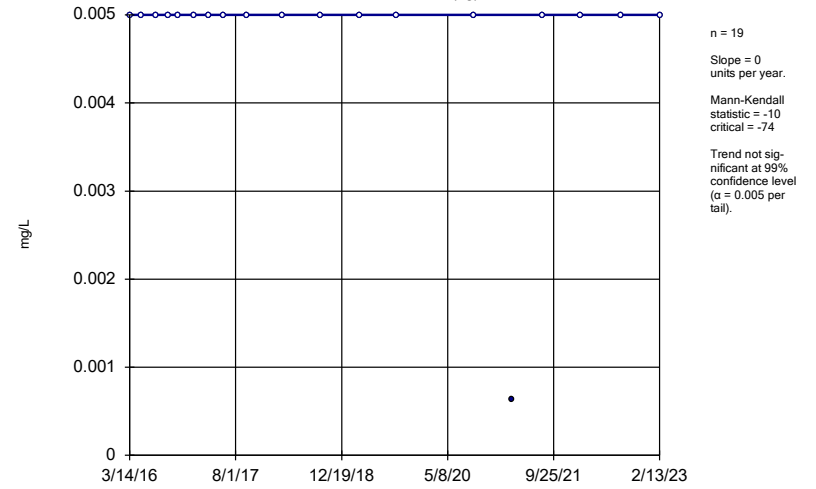
GWA-39RZ (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

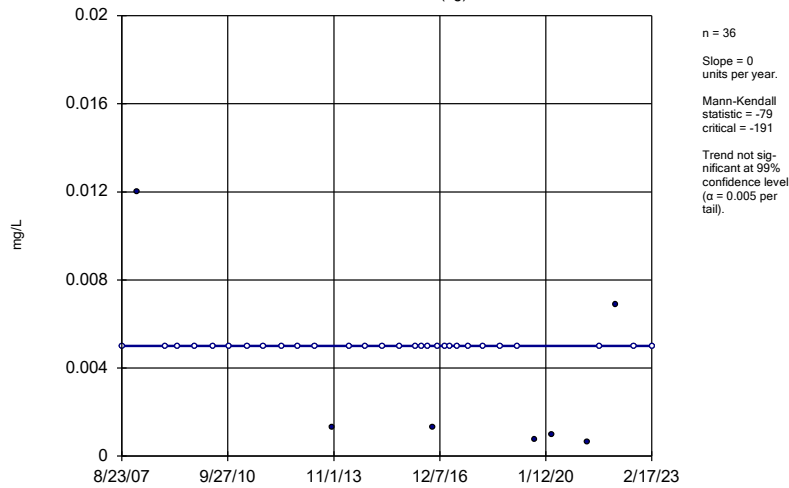
GWA-39Z (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

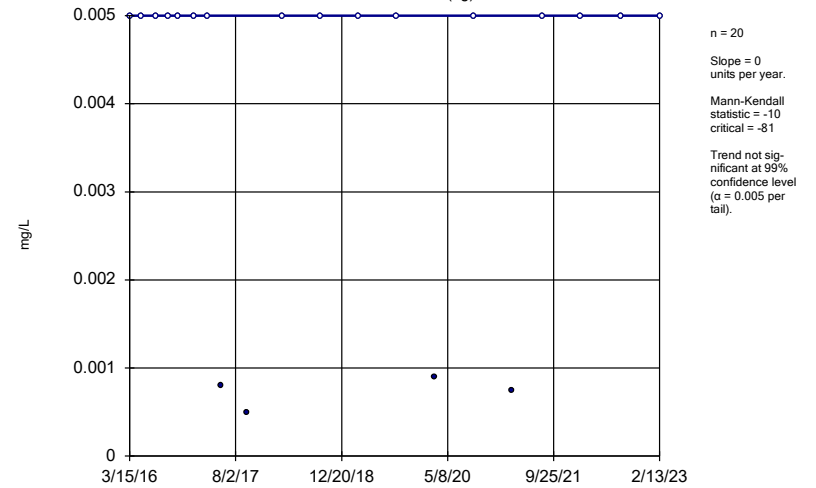
GWA-3A (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

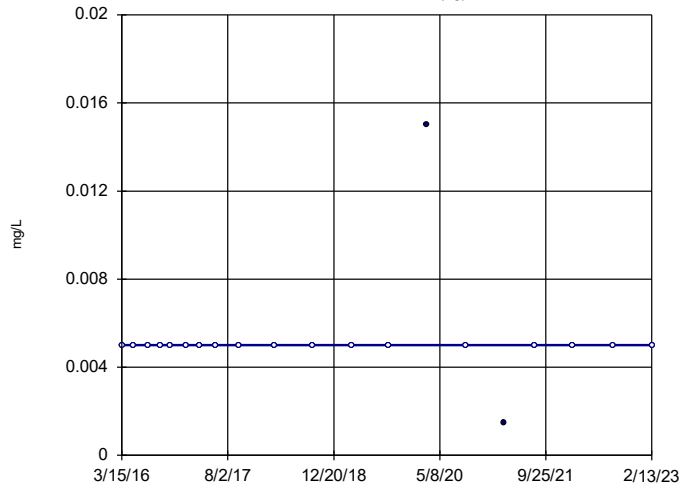
GWA-40 (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

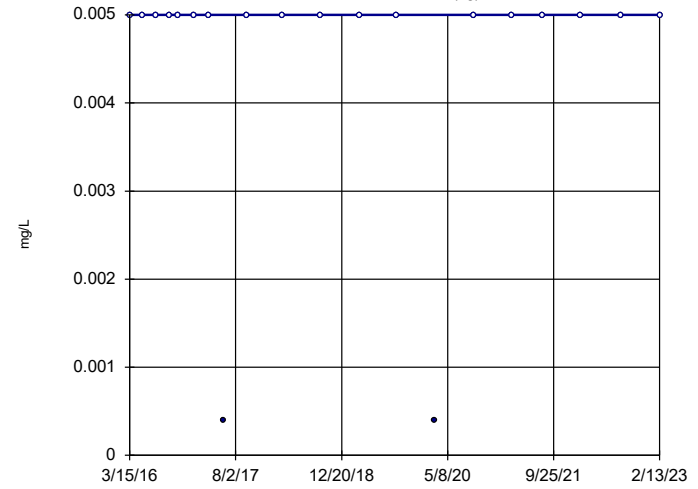


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -3
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

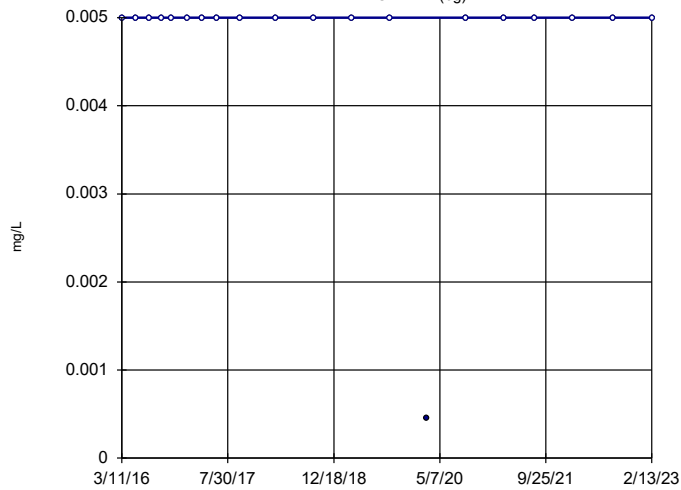


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -2
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

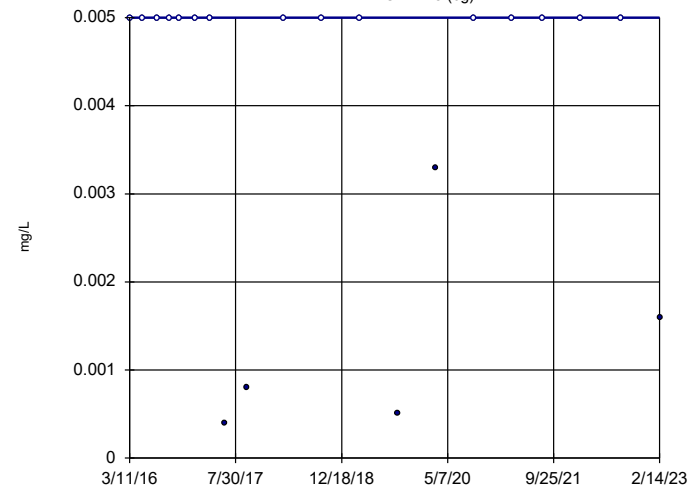


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -7
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43 (bg)

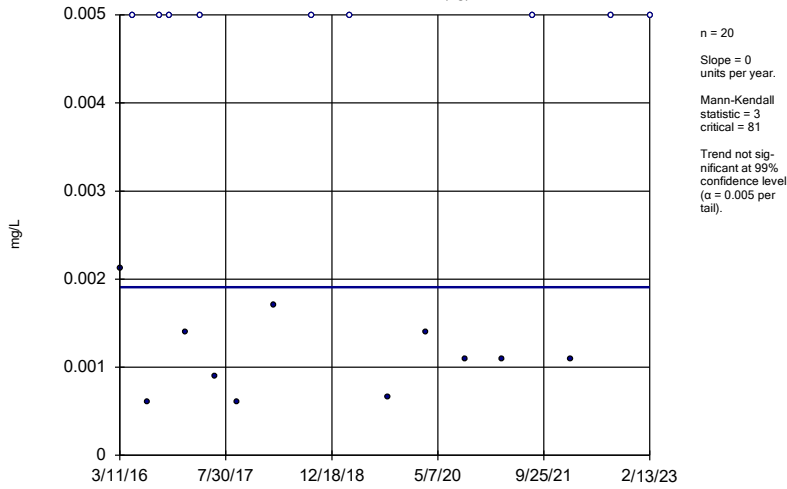


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -17
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

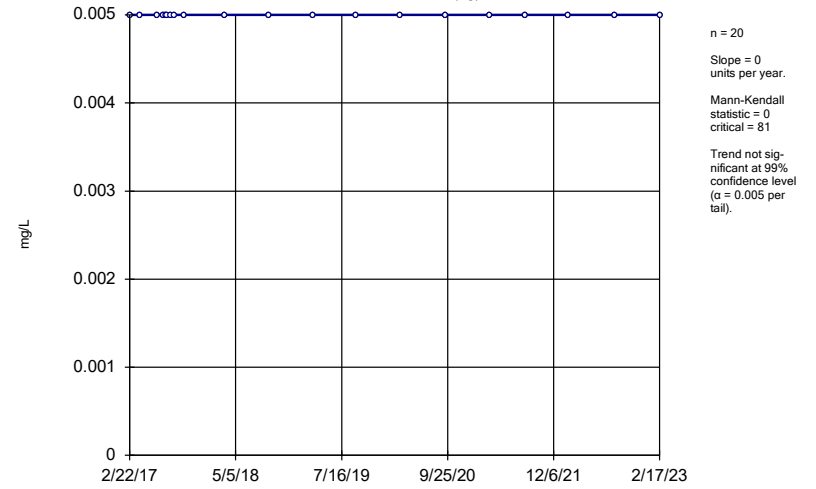
GWA-43R (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

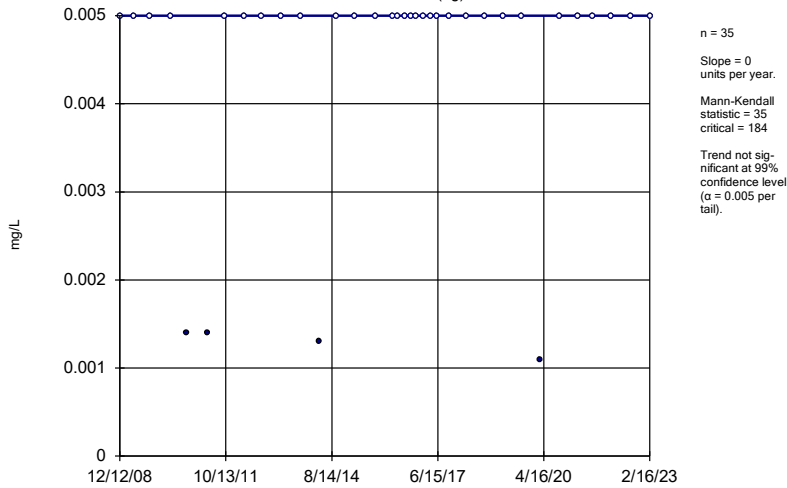
GWA-4RZ (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

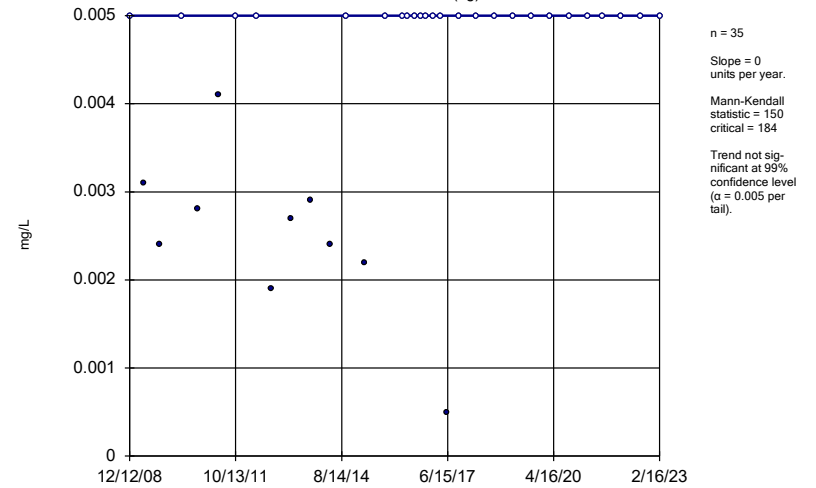
GWA-50 (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

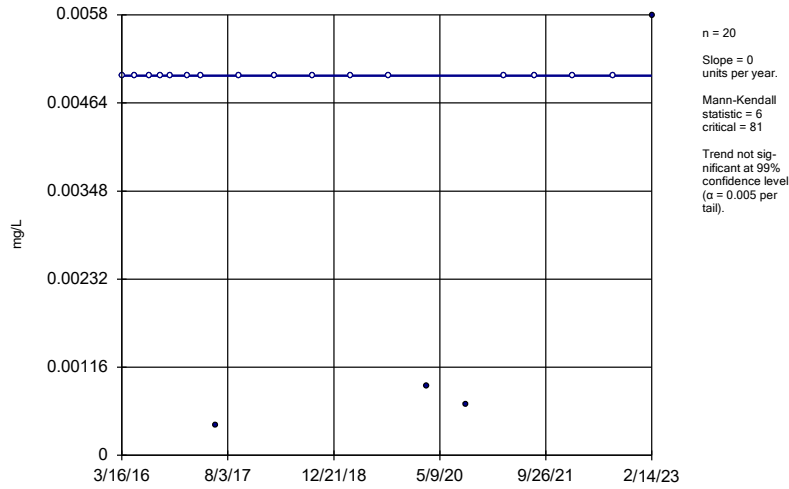
GWA-50R (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

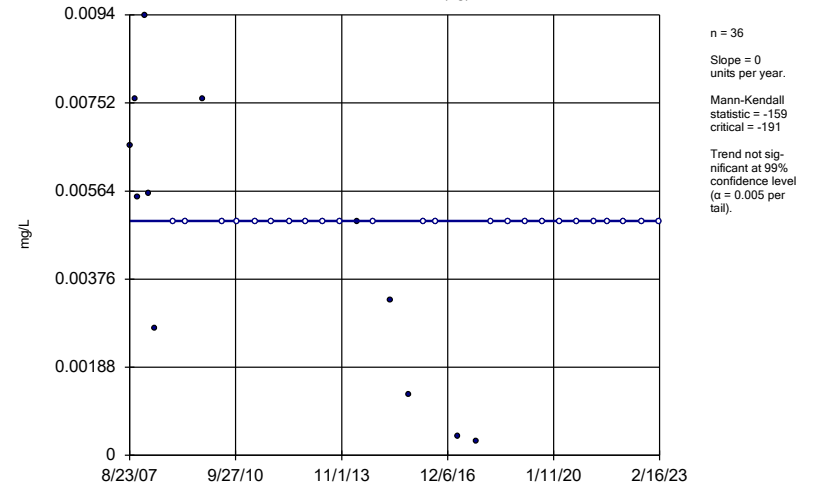
GWC-45R



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

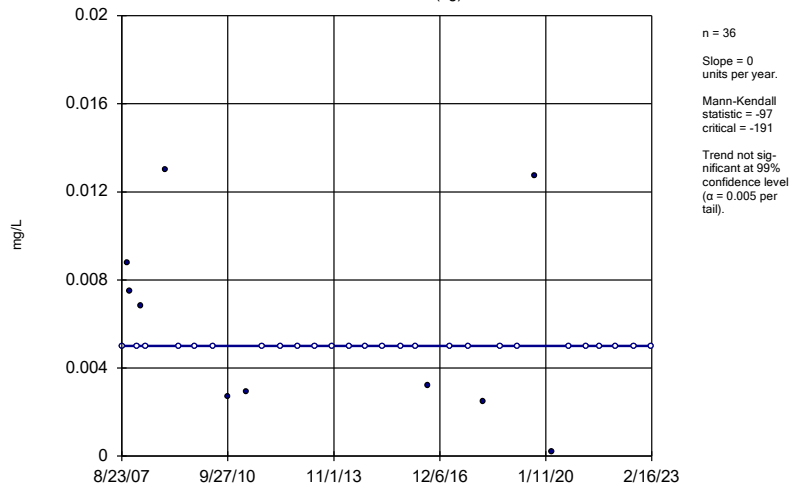
GWA-1 (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

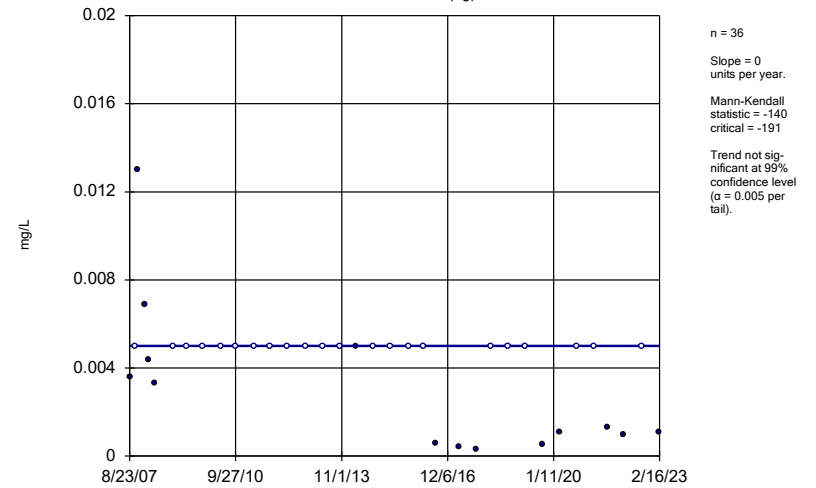
GWA-2 (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

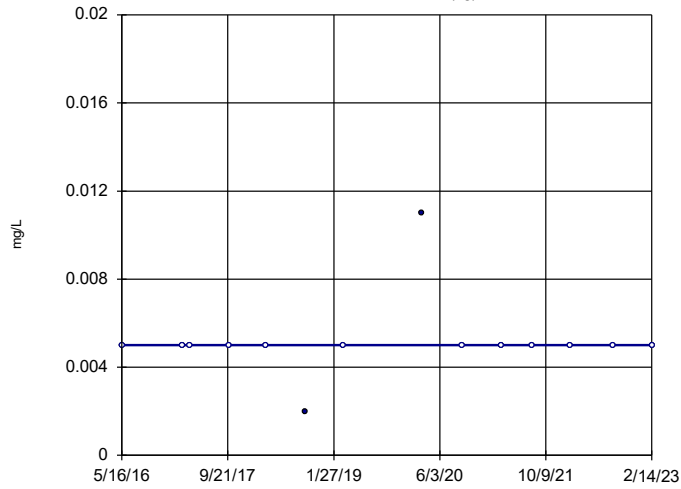
GWA-2R (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

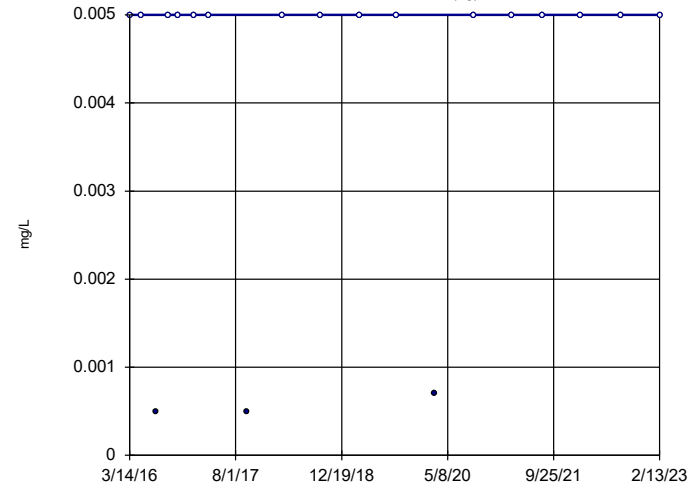


n = 14
Slope = 0
units per year.
Mann-Kendall
statistic = 3
critical = 48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39Z (bg)

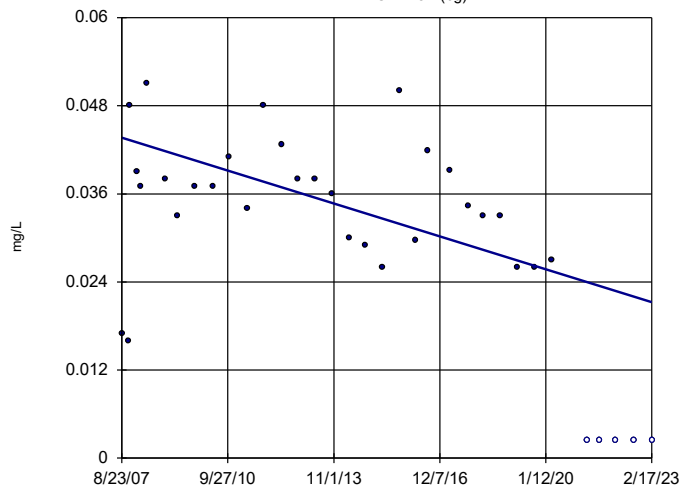


n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = 14
critical = 74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-3A (bg)

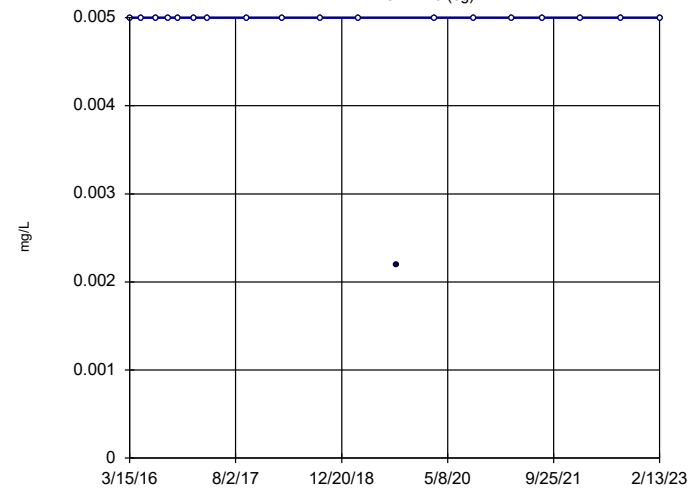


n = 35
Slope = -0.001445
units per year.
Mann-Kendall
statistic = -248
critical = -184
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-40 (bg)

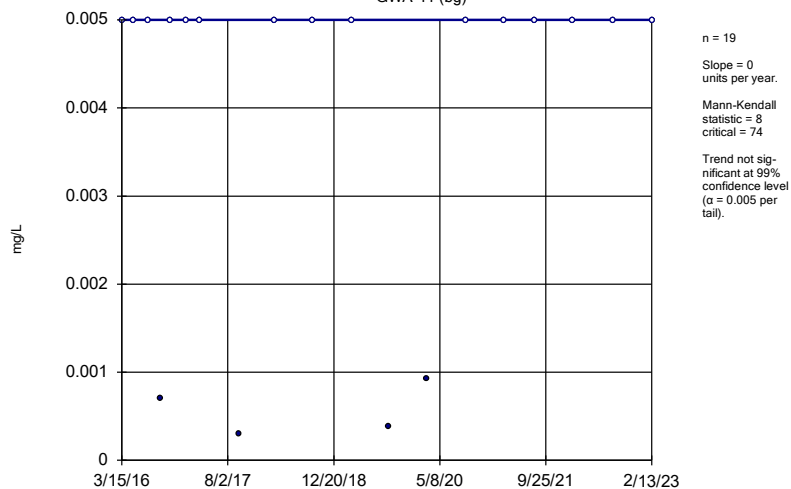


n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = -4
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

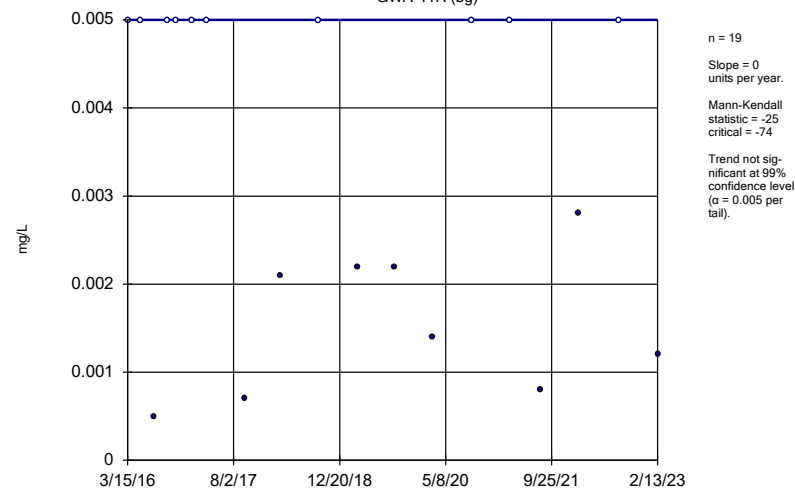
GWA-41 (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

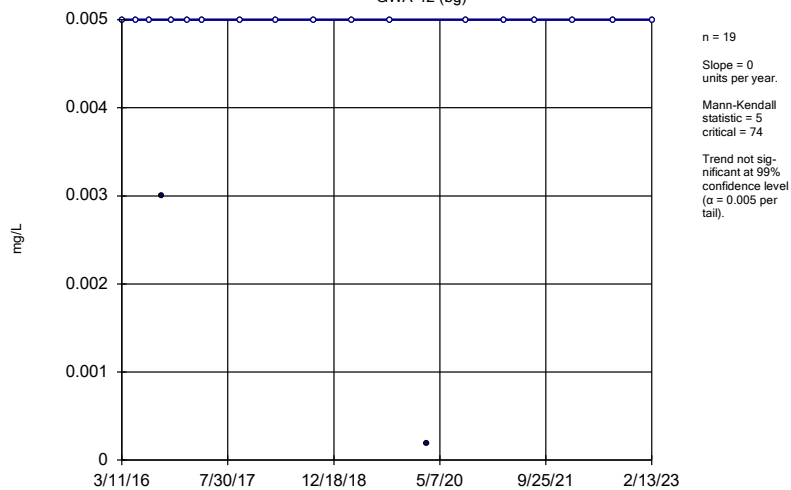
GWA-41R (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

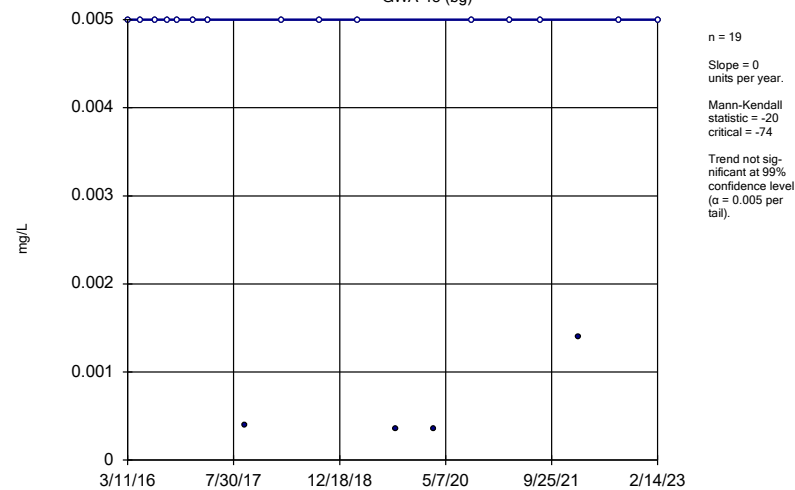
GWA-42 (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

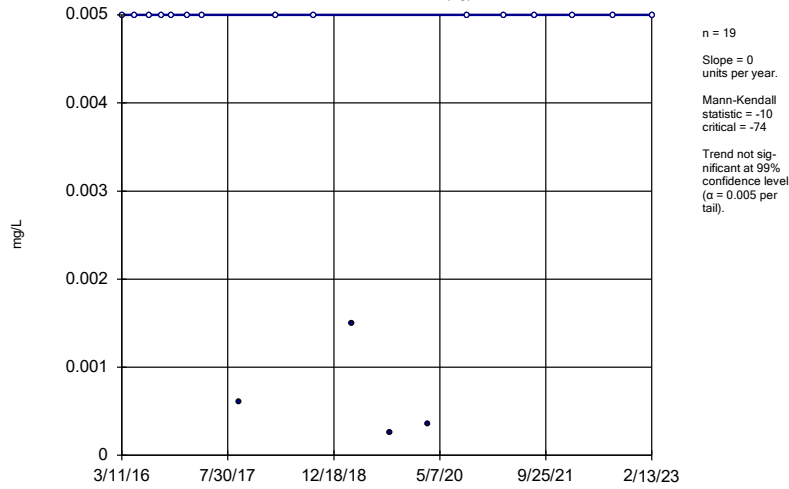
GWA-43 (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

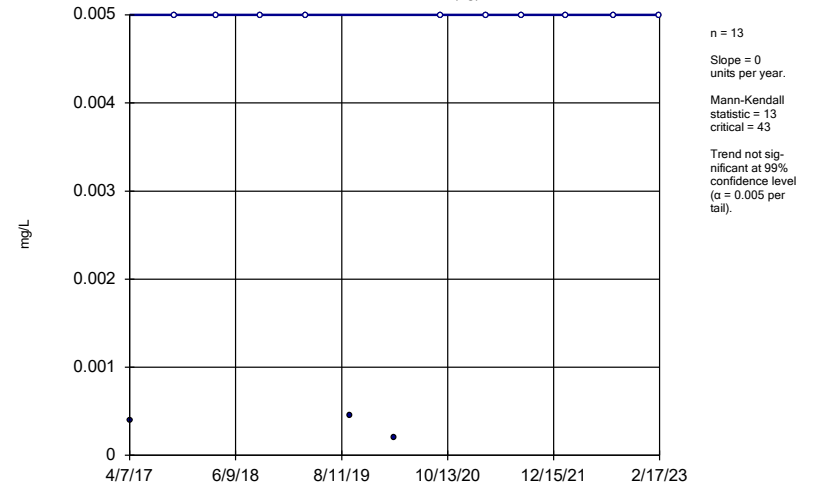
GWA-43R (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

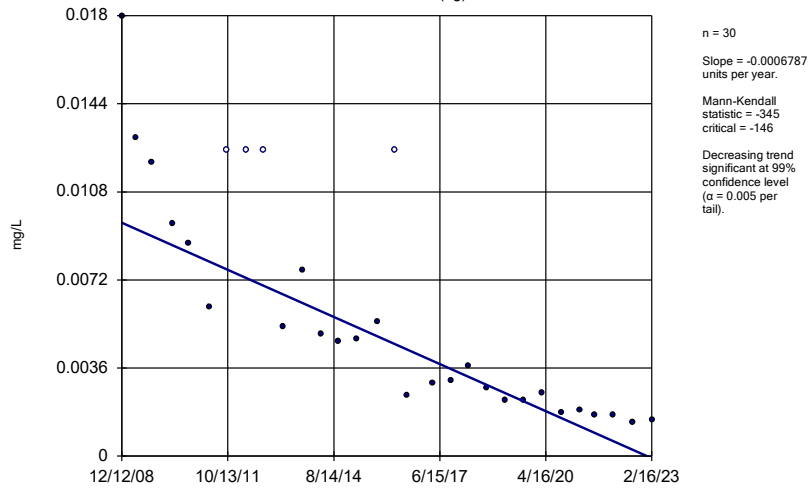
GWA-4RZ (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

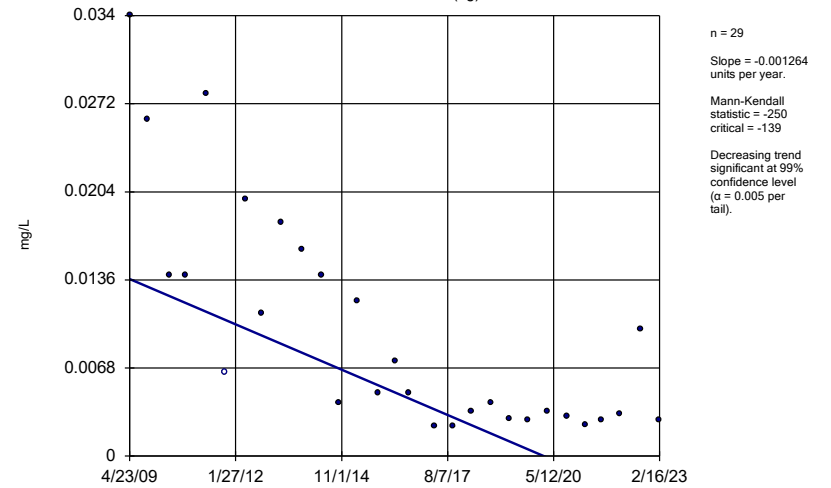
GWA-50 (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

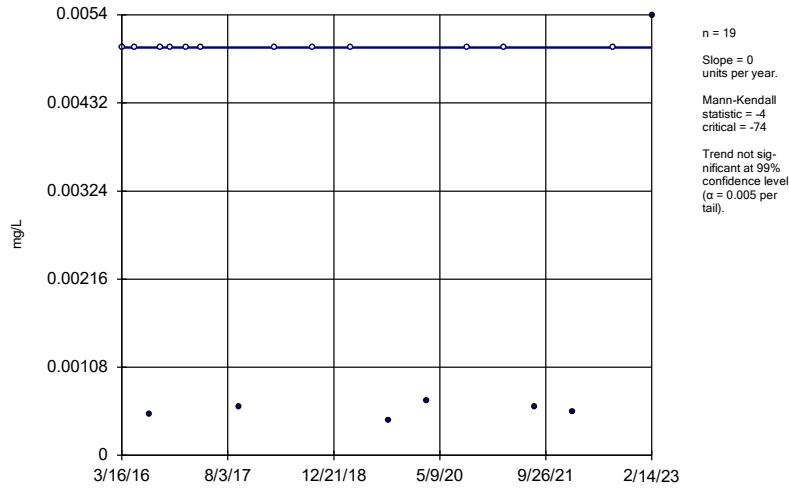
GWA-50R (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

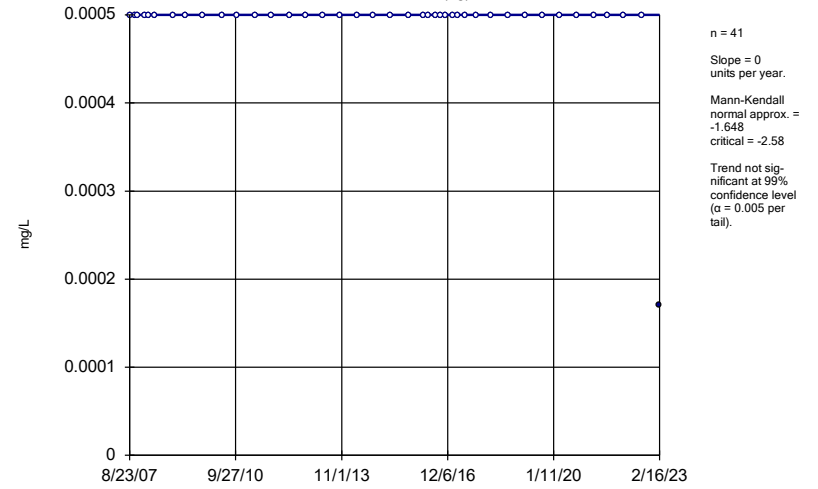
GWC-44



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

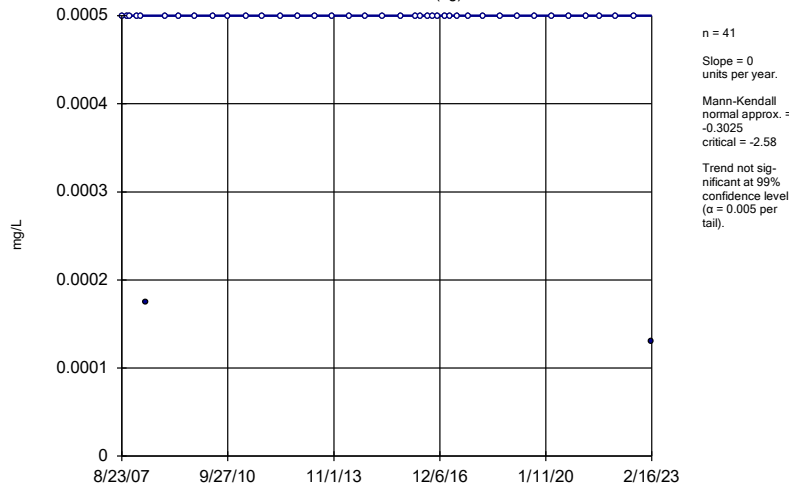
GWA-1 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

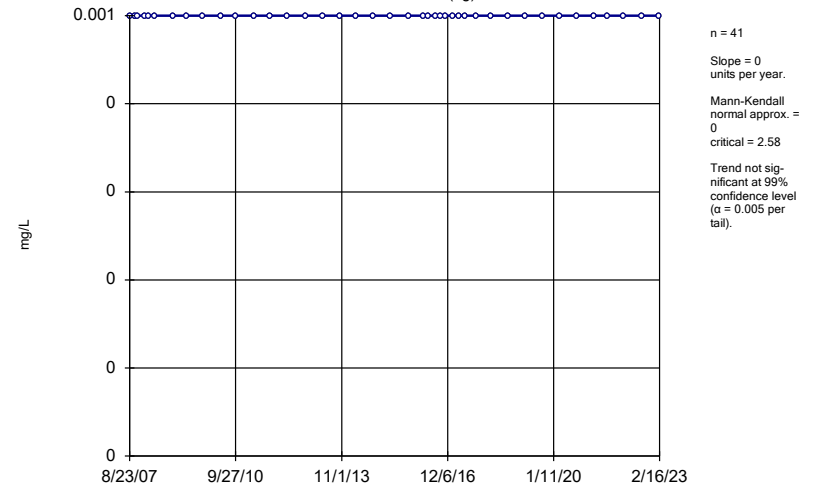
GWA-2 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

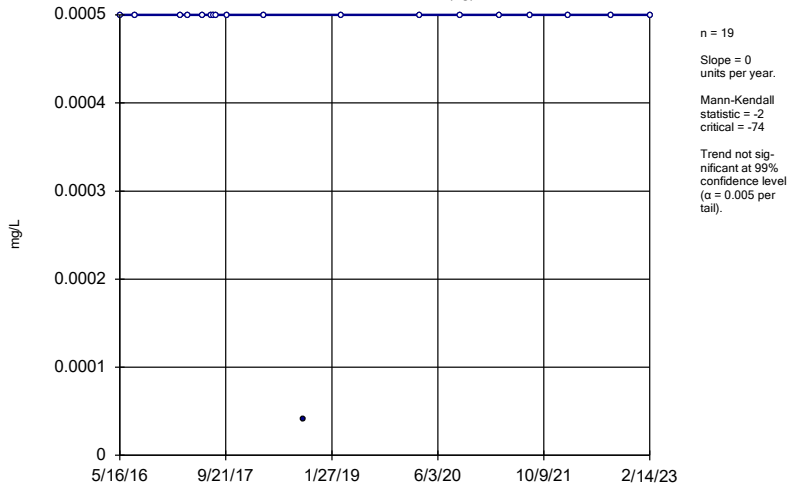
GWA-2R (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

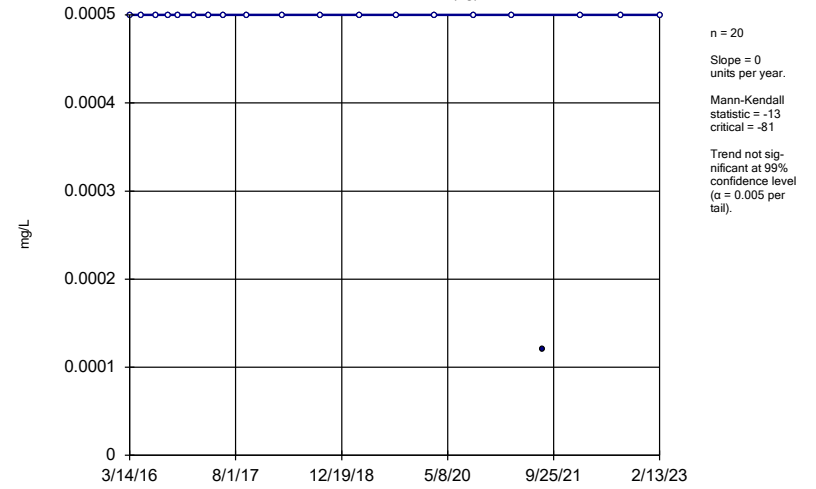
GWA-39RZ (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

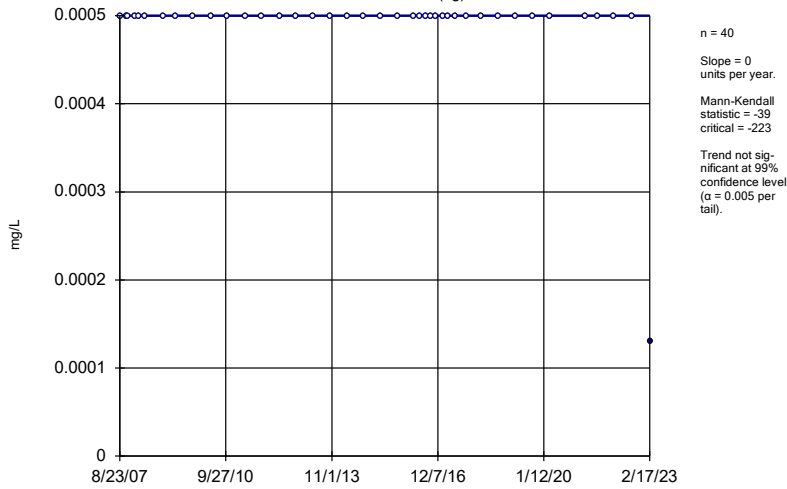
GWA-39Z (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

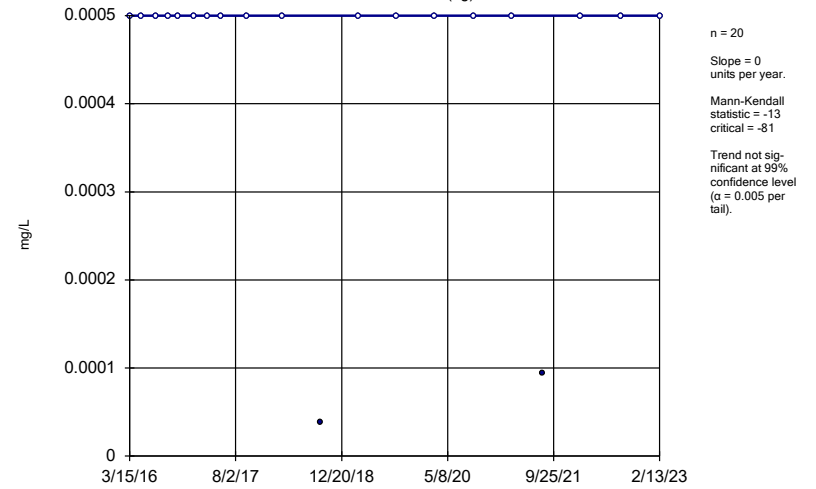
GWA-3A (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

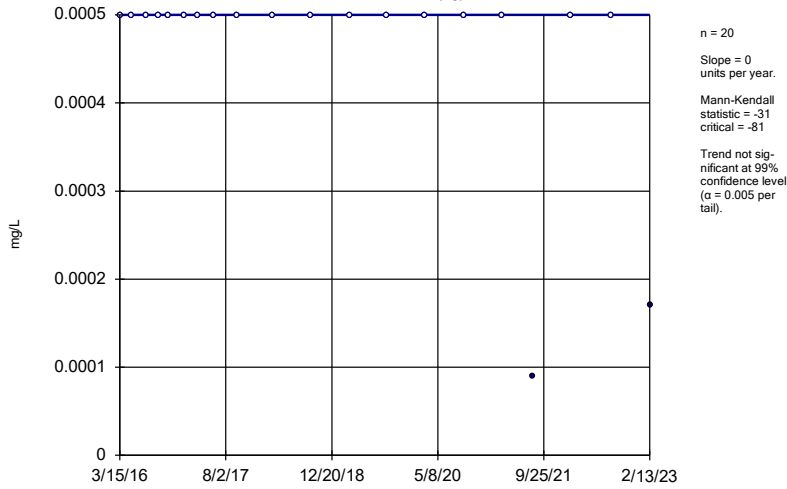
GWA-40 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

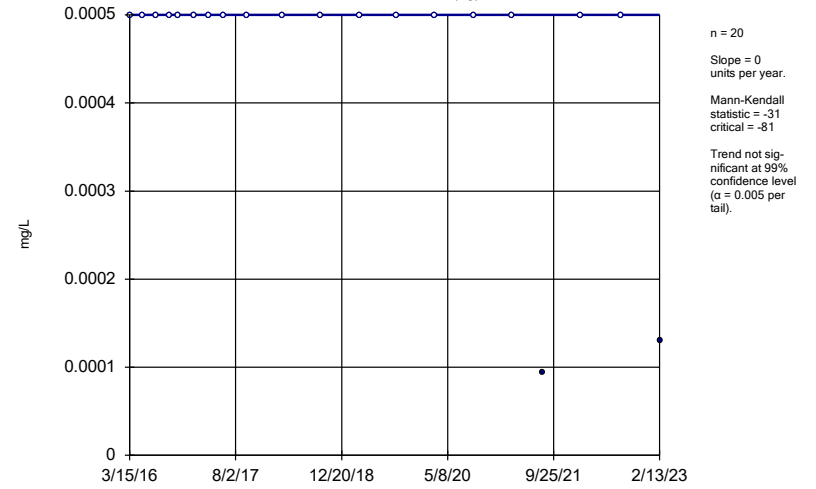
GWA-41 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

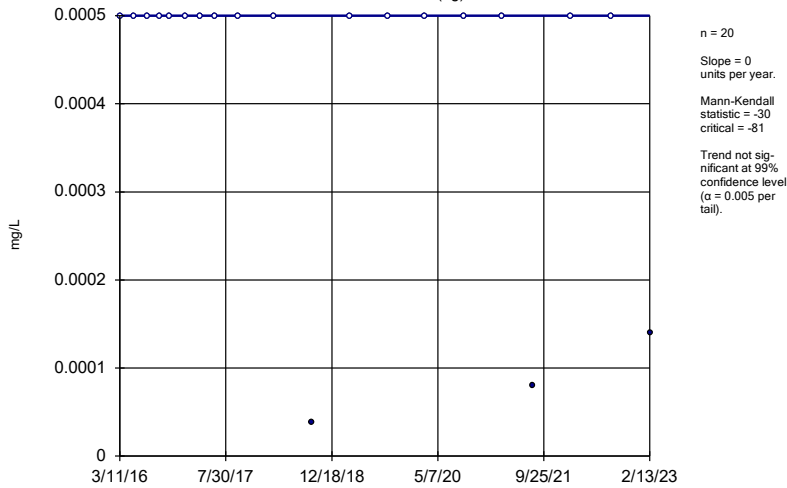
GWA-41R (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

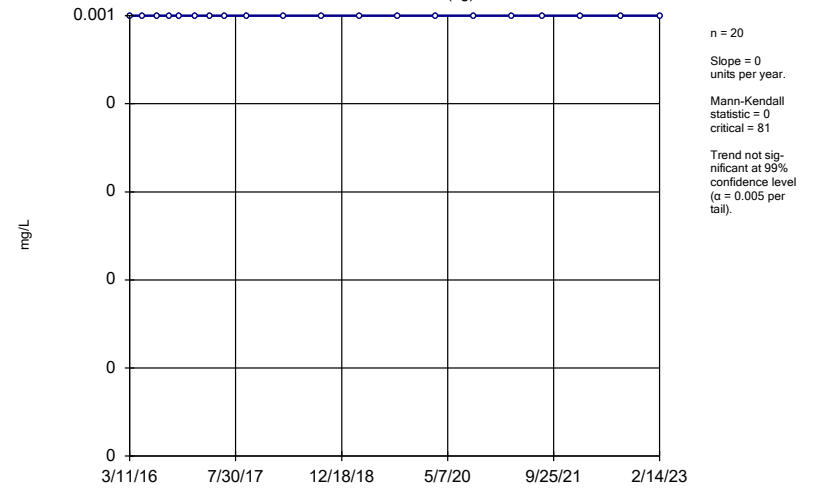
GWA-42 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

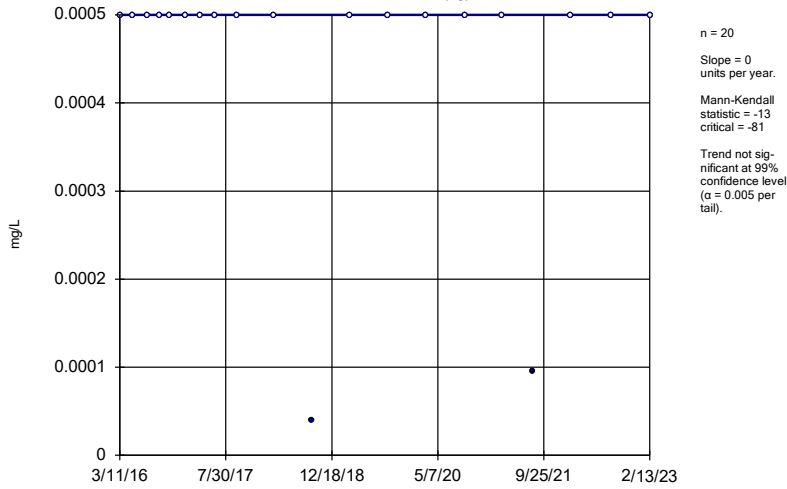
GWA-43 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

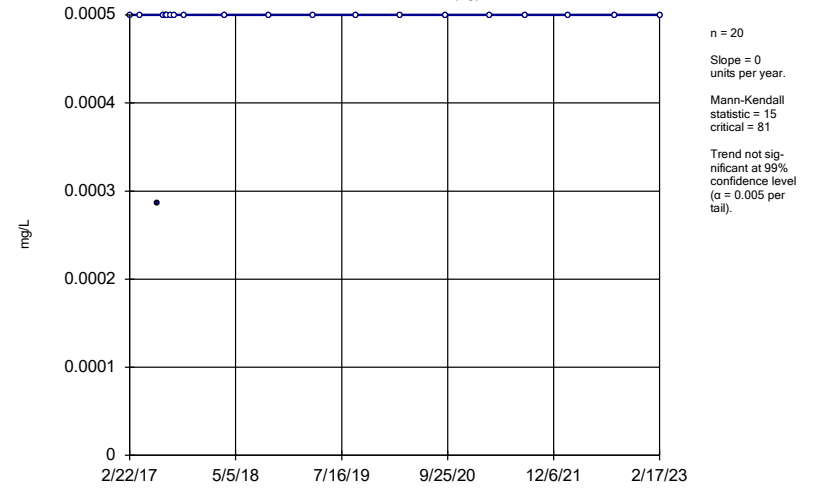
GWA-43R (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

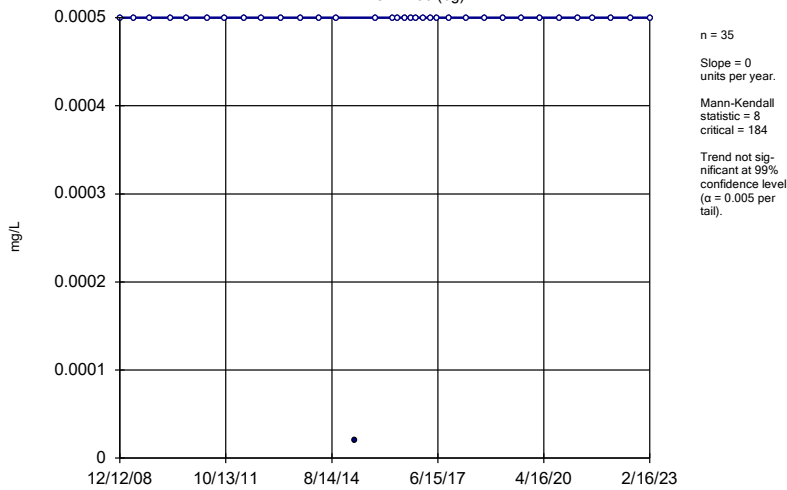
GWA-4RZ (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

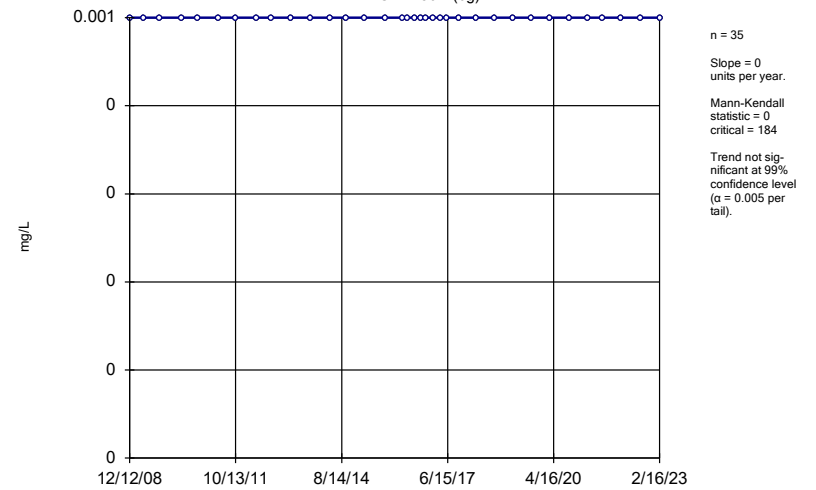
GWA-50 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

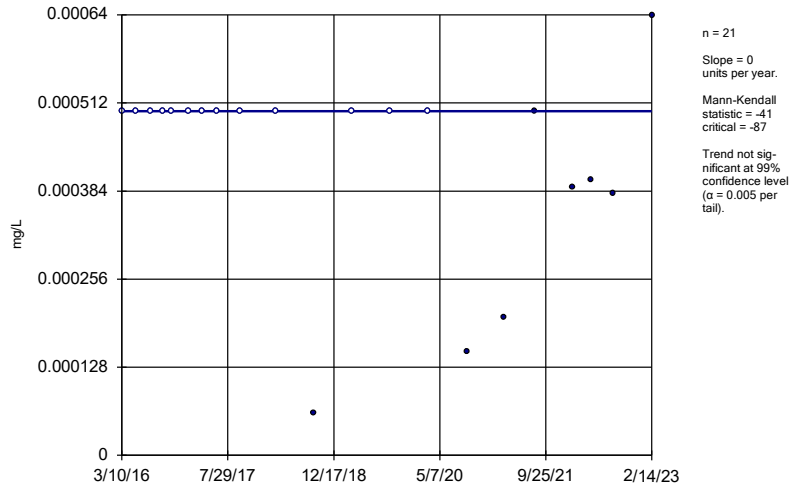
GWA-50R (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

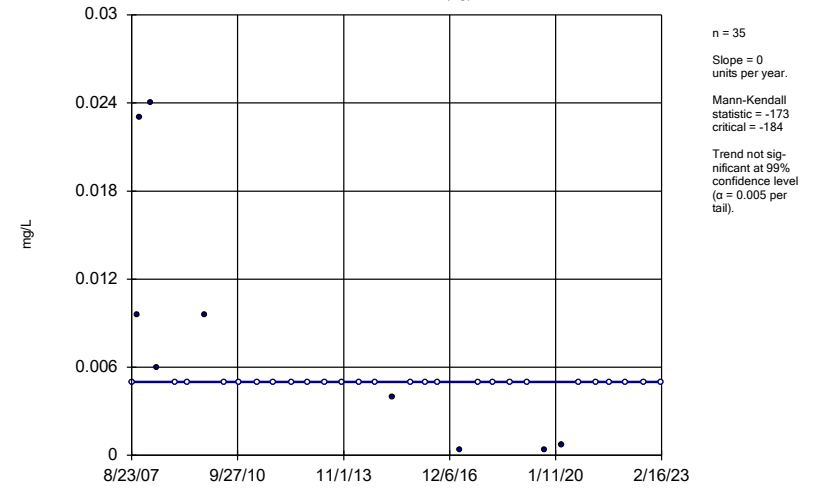
GWC-48



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

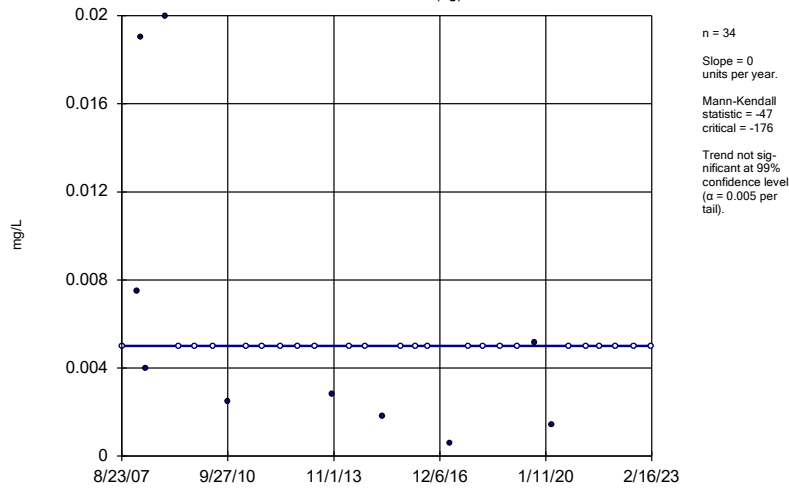
GWA-1 (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

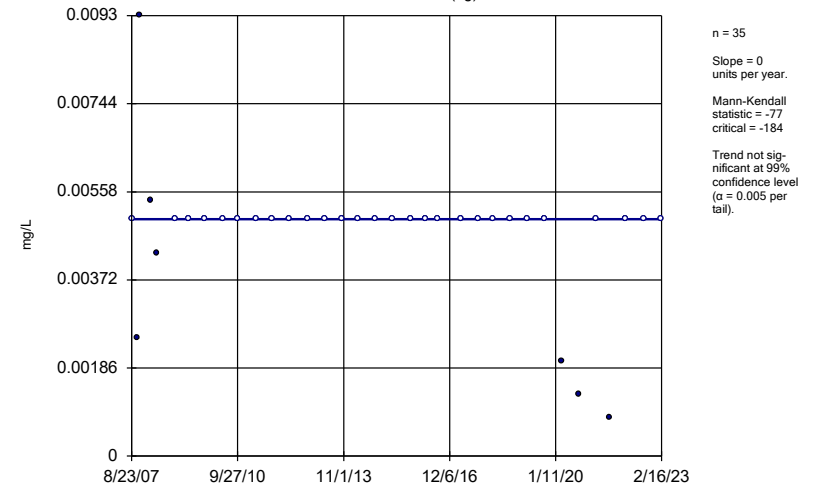
GWA-2 (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

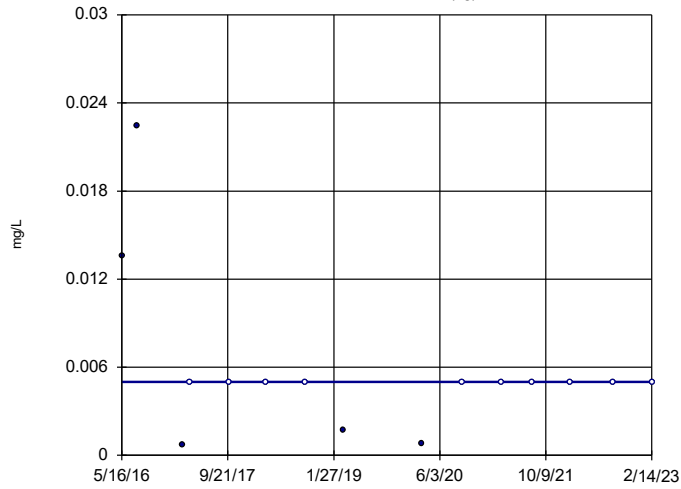
GWA-2R (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

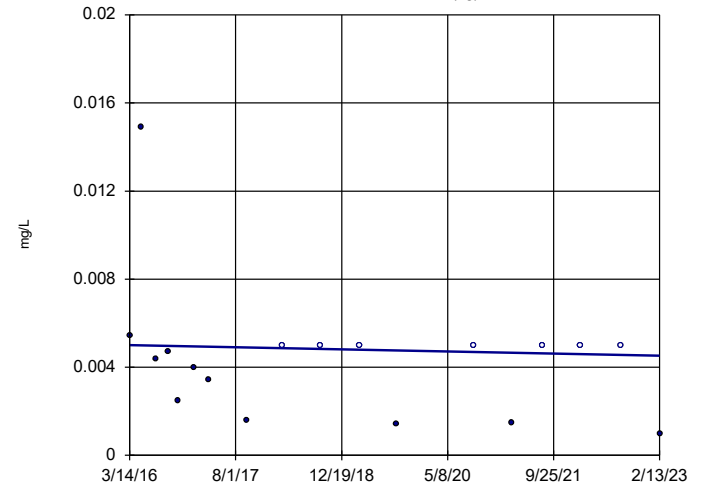
GWA-39RZ (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

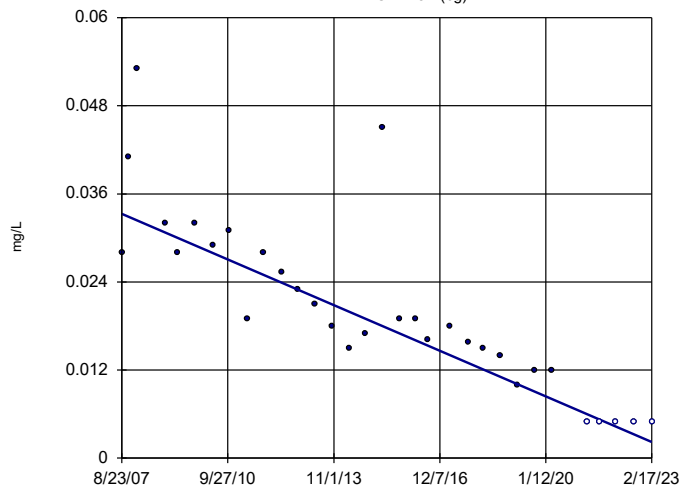
GWA-39Z (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

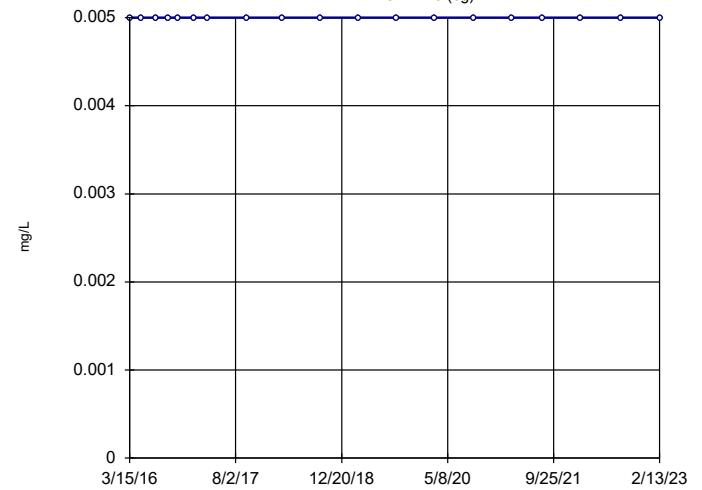
GWA-3A (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

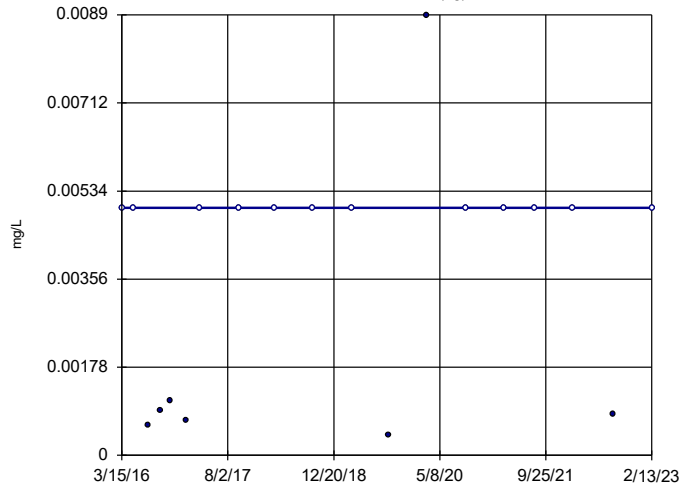
GWA-40 (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

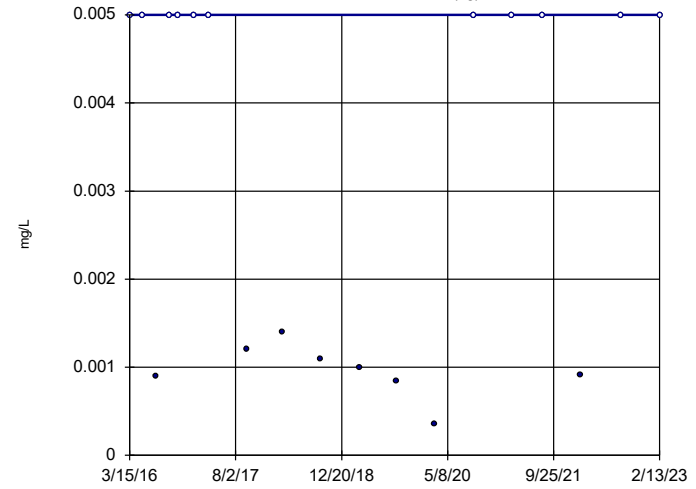


n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = 25
critical = 74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

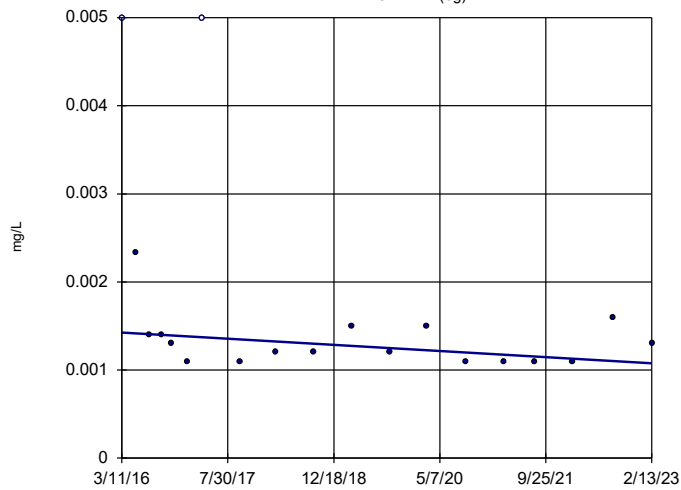


n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = -18
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

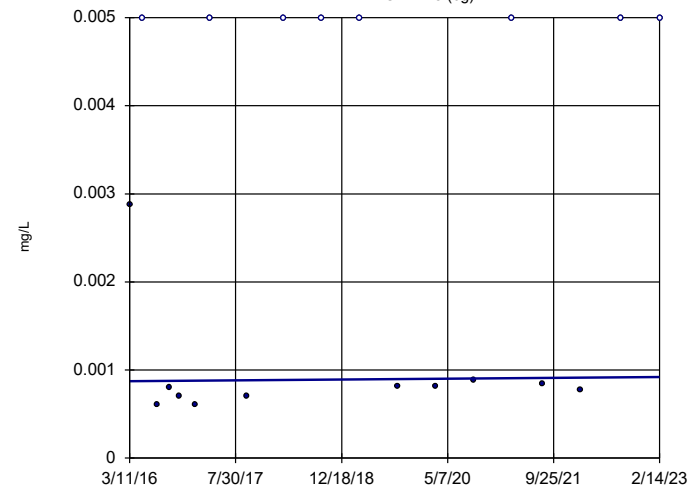


n = 19
Slope = -0.00005021
units per year.
Mann-Kendall
statistic = -51
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43 (bg)

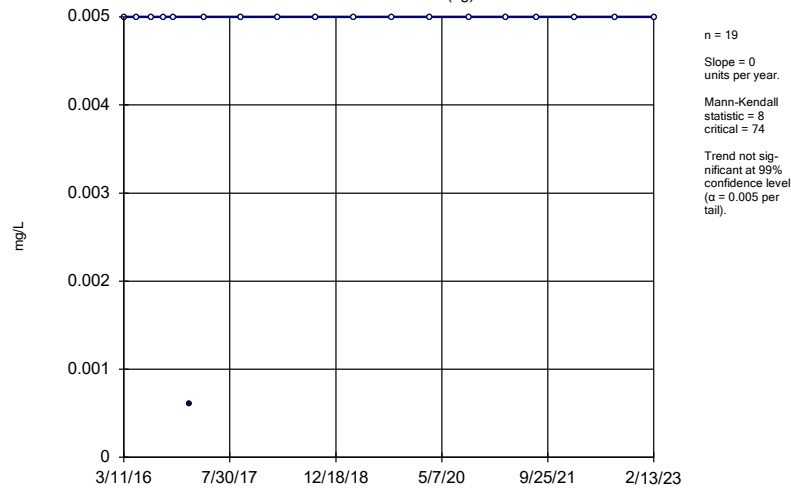


n = 19
Slope = 0.000006697
units per year.
Mann-Kendall
statistic = 34
critical = 74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

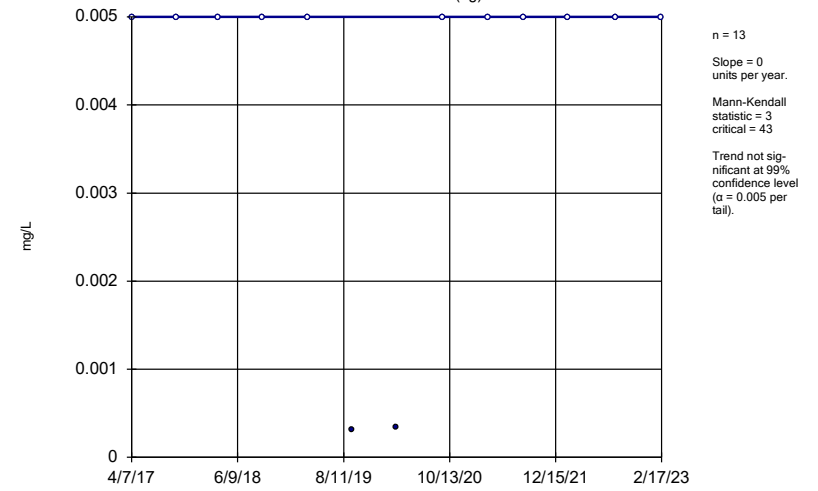
GWA-43R (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

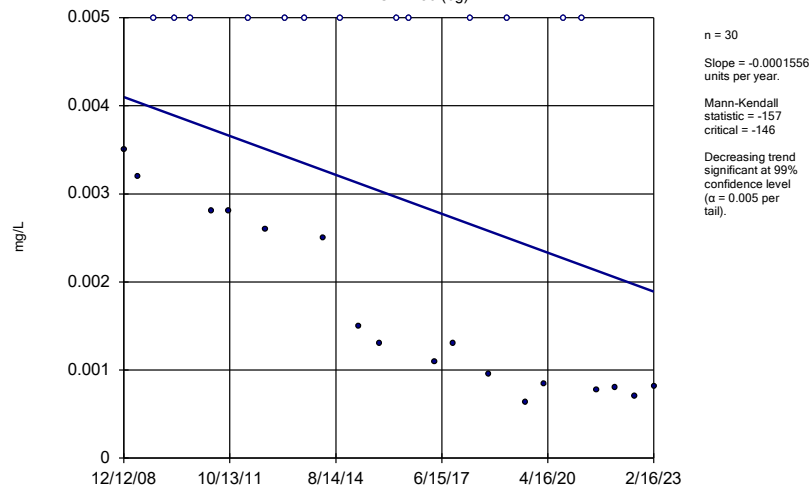
GWA-4RZ (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

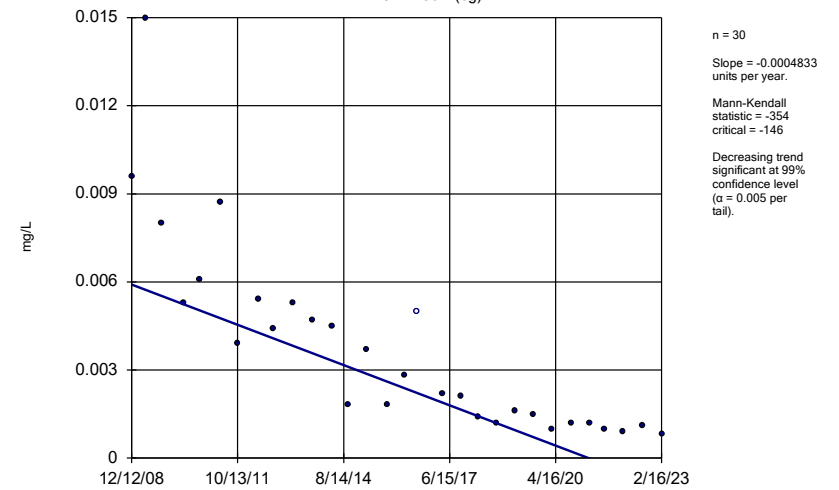
GWA-50 (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

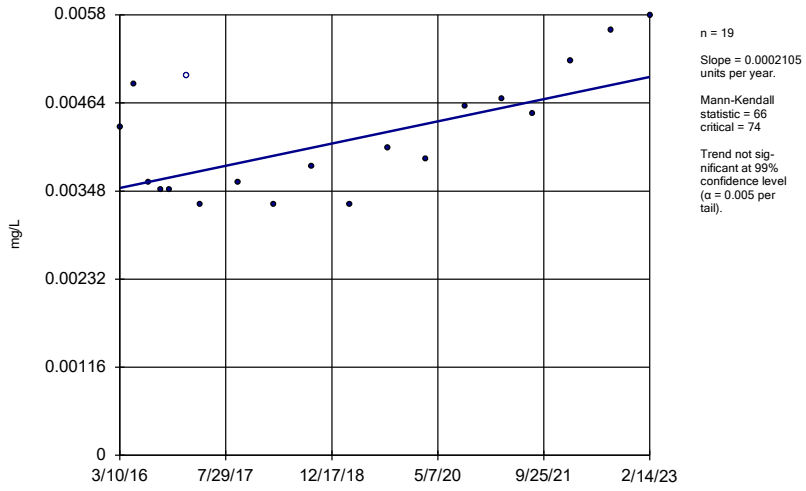
GWA-50R (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-48



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE H.

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-3A	19.4	n/a	2/17/2023	22.4	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-45R	47.07	n/a	2/14/2023	47.5	Yes	17	35.37	4.358	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2R	34.3	n/a	2/16/2023	38.9	Yes	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-45R	5.471	n/a	2/14/2023	10.1	Yes	17	1.754	0.2182	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-42	186.7	n/a	2/13/2023	226	Yes	17	134.1	19.58	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	2/22/2023	1020	Yes	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-1	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2R	0.04	n/a	2/16/2023	0.017J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-39RZ	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	23.53	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-39Z	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-3A	0.04	n/a	2/17/2023	0.04ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-40	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41R	0.04	n/a	2/13/2023	0.017J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-42	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43R	0.04212	n/a	2/13/2023	0.04ND	No	17	0.02003	0.008233	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-4RZ	0.03839	n/a	2/17/2023	0.04ND	No	17	-4.603	0.5005	5.882	None	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-50	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-50R	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10R	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11R	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-12	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.03966	n/a	2/22/2023	0.04ND	No	17	0.01835	0.00794	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-13RZ	0.02742	n/a	2/22/2023	0.013J	No	17	-4.386	0.2941	17.65	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-14Z	0.04	n/a	2/22/2023	0.04ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15R	0.04	n/a	2/22/2023	0.04ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15Z	0.04	n/a	2/22/2023	0.04ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-44	0.03258	n/a	2/14/2023	0.014J	No	17	-4.509	0.4043	41.18	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-45	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-45R	0.04	n/a	2/14/2023	0.012J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-46R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-48	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49Z	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6	0.04	n/a	2/17/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6RZ	0.04	n/a	2/17/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-7Z	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8RR	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8Z	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-9	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium, total (mg/L)	GWA-1	36.35	n/a	2/16/2023	33.3	No	17	30.64	2.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2	82.96	n/a	2/16/2023	60.5	No	17	26.51	21.04	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2R	61.92	n/a	2/16/2023	51.6	No	17	26.68	13.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39RZ	39.13	n/a	2/14/2023	31.4	No	17	34952	9306	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39Z	34.91	n/a	2/13/2023	12.8	No	18	12.62	8.42	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-3A	19.4	n/a	2/17/2023	22.4	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWA-40	31.1	n/a	2/13/2023	18.4	No	17	21.34	3.637	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41	42.06	n/a	2/13/2023	26.9	No	17	18.81	8.667	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41R	48.24	n/a	2/13/2023	38.6	No	17	33.1	5.641	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-42	38.83	n/a	2/13/2023	35.7	No	17	31.39	2.773	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43	19.26	n/a	2/14/2023	2.2	No	17	6.843	4.628	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43R	33.92	n/a	2/13/2023	28.5	No	18	28.96	1.875	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-4RZ	59.92	n/a	2/17/2023	59.4	No	17	49.56	3.858	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-50	4.551	n/a	2/16/2023	1.4	No	17	1.458	0.2518	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-50R	13.06	n/a	2/16/2023	0.81J	No	17	4.392	3.23	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	50.26	n/a	2/20/2023	9	No	17	29.44	7.761	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10R	48.89	n/a	2/20/2023	46.2	No	17	40.76	3.028	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	30.52	n/a	2/20/2023	7.4	No	17	16.75	5.131	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11R	38.59	n/a	2/20/2023	32.5	No	17	26.59	4.472	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	9.546	n/a	2/21/2023	7.9	No	17	8.05	0.5575	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	75.84	n/a	2/22/2023	26.3	No	17	45.15	11.44	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13RZ	59.04	n/a	2/22/2023	40.1	No	17	1947	573.4	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14Z	43.05	n/a	2/22/2023	14.3	No	17	20.97	8.227	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15R	45.82	n/a	2/22/2023	38.1	No	16	35.98	3.621	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15Z	30.37	n/a	2/22/2023	24.4	No	17	13334	5471	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-44	21.15	n/a	2/14/2023	12.5	No	17	7.058	5.251	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45	1.009	n/a	2/14/2023	1	No	17	0.8318	0.06622	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45R	47.07	n/a	2/14/2023	47.5	Yes	17	35.37	4.358	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-46R	55.43	n/a	2/14/2023	41.1	No	17	44.66	4.014	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47	30.37	n/a	2/14/2023	20.5	No	17	23.26	2.649	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47R	38.9	n/a	2/14/2023	31.6	No	17	30.52	3.123	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-48	11.53	n/a	2/14/2023	3	No	17	1.798	0.5951	5.882	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49R	31.57	n/a	2/14/2023	24.3	No	17	25.36	2.314	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49Z	2.525	n/a	2/14/2023	0.65J	No	15	1.138	0.4971	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	12.1	n/a	2/20/2023	3.5	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-6	16.64	n/a	2/17/2023	15.2	No	16	14	0.9716	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6RZ	15.25	n/a	2/17/2023	9.7	No	16	10.86	1.616	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7Z	28.3	n/a	2/20/2023	26.1	No	17	23.72	1.707	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8RR	25.36	n/a	2/21/2023	18	No	17	22.19	1.179	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8Z	27.37	n/a	2/20/2023	18.5	No	16	412.2	123.9	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-9	41.78	n/a	2/21/2023	2.3	No	17	2.708	1.4	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-1	0.1269	n/a	2/16/2023	0.07J	No	17	0.05491	0.02684	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-2	0.17	n/a	2/16/2023	0.061J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-2R	0.1	n/a	2/16/2023	0.079J	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWA-39RZ	0.2585	n/a	2/14/2023	0.074J	No	17	0.2579	0.09337	29.41	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-39Z	0.1189	n/a	2/13/2023	0.064J	No	17	0.05128	0.0252	41.18	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-3A	0.1	n/a	2/17/2023	0.055J	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-40	0.11	n/a	2/13/2023	0.054J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41	0.1	n/a	2/13/2023	0.05J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41R	0.12	n/a	2/13/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-42	0.1	n/a	2/13/2023	0.056J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43	0.1	n/a	2/14/2023	0.052J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43R	0.1	n/a	2/13/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-4RZ	0.3209	n/a	2/17/2023	0.11	No	17	0.1707	0.05596	5.882	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-50	0.1	n/a	2/16/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-50R	0.1	n/a	2/16/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10R	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11R	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	2/21/2023	0.054J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.24	n/a	2/22/2023	0.06J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13RZ	0.2957	n/a	2/22/2023	0.15	No	17	0.144	0.05653	11.76	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-14Z	0.1	n/a	2/22/2023	0.1ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15R	0.1	n/a	2/22/2023	0.05J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15Z	0.1	n/a	2/22/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-44	0.1998	n/a	2/14/2023	0.075J	No	18	0.0679	0.04985	27.78	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-45	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-45R	0.14	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

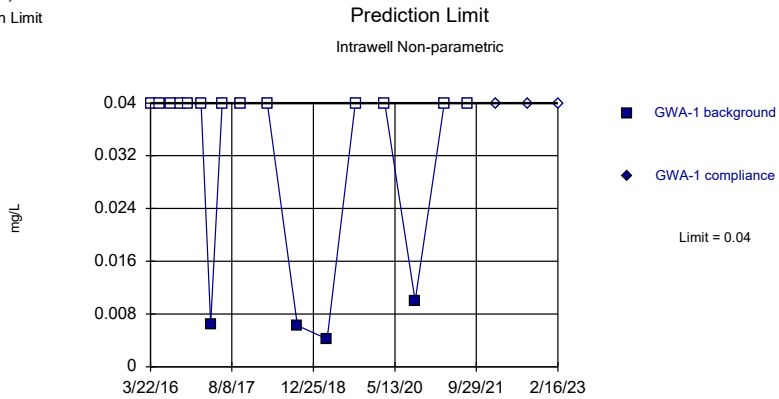
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWC-46R	0.1	n/a	2/14/2023	0.091J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-47	0.13	n/a	2/14/2023	0.064J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWC-47R	0.13	n/a	2/14/2023	0.081J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-48	0.1	n/a	2/14/2023	0.058J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49R	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49Z	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-5	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.1	n/a	2/17/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6RZ	0.1	n/a	2/17/2023	0.052J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7Z	0.22	n/a	2/20/2023	0.057J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8RR	0.1	n/a	2/21/2023	0.057J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8Z	0.1	n/a	2/20/2023	0.061J	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-9	0.1	n/a	2/21/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-1	2.711	n/a	2/16/2023	1.1	No	17	1.552	0.4319	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2	179.3	n/a	2/16/2023	115	No	17	54.87	46.38	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2R	34.3	n/a	2/16/2023	38.9	Yes	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-39RZ	29.35	n/a	2/14/2023	6.3	No	17	10.86	6.891	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-39Z	9.901	n/a	2/13/2023	1.7	No	17	3.753	2.291	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-3A	5.4	n/a	2/17/2023	2.5	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-40	7.784	n/a	2/13/2023	1.4	No	18	0.4574	0.6025	5.556	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41	19.9	n/a	2/13/2023	6	No	17	0.9897	0.7457	0	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41R	13.45	n/a	2/13/2023	10.2	No	17	5.663	2.903	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-42	2.63	n/a	2/13/2023	1.6	No	17	1.587	0.3887	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43	1.928	n/a	2/14/2023	1ND	No	17	0.7687	0.432	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43R	10.68	n/a	2/13/2023	2.5	No	17	5.664	1.871	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-4RZ	28.58	n/a	2/17/2023	21.2	No	18	21.14	2.813	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50	1.031	n/a	2/16/2023	1ND	No	17	0.6803	0.1308	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50R	1.69	n/a	2/16/2023	0.58J	No	17	0.9694	0.2687	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10	2.213	n/a	2/20/2023	1.5	No	17	1.356	0.3195	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10R	2.272	n/a	2/20/2023	1.5	No	17	1.406	0.3226	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11	3.941	n/a	2/20/2023	1.7	No	17	2.457	0.553	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11R	4.739	n/a	2/20/2023	1.8	No	17	2.51	0.8307	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-12	1	n/a	2/21/2023	1ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-13	196.5	n/a	2/22/2023	8.7	No	17	69.62	47.29	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-13RZ	107.1	n/a	2/22/2023	59.7	No	17	56.66	18.8	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-14Z	11.83	n/a	2/22/2023	10.7	No	16	4.35	2.75	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15R	13.96	n/a	2/22/2023	7.5	No	17	9.185	1.78	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15Z	15.09	n/a	2/22/2023	0.81J	No	17	1.728	0.8034	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-44	62.46	n/a	2/14/2023	33.8	No	17	21.93	15.1	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45	1.552	n/a	2/14/2023	1ND	No	17	0.8033	0.2791	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45R	5.471	n/a	2/14/2023	10.1	Yes	17	1.754	0.2182	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-46R	9.434	n/a	2/14/2023	4.7	No	17	6.619	1.049	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47	5.577	n/a	2/14/2023	4.3	No	17	4.314	0.471	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47R	15.96	n/a	2/14/2023	12.7	No	17	9.402	2.446	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-48	20.2	n/a	2/14/2023	3	No	19	n/a	n/a	5.263	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-49R	6.244	n/a	2/14/2023	1.8	No	18	1.819	0.2569	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-49Z	3.084	n/a	2/14/2023	0.84J	No	14	1.807	0.4463	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-5	2.174	n/a	2/20/2023	1.4	No	17	1.416	0.2824	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6	3.803	n/a	2/17/2023	2	No	17	2.289	0.564	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6RZ	3.425	n/a	2/17/2023	1.8	No	17	1.962	0.5452	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-7Z	2.37	n/a	2/20/2023	1.7	No	17	0.9735	0.5205	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8RR	2.1	n/a	2/21/2023	1.7	No	17	1.018	0.4031	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8Z	4.465	n/a	2/20/2023	1.1	No	17	1.967	0.931	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-9	4.753	n/a	2/21/2023	3	No	17	2.308	0.9112	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-1	190.4	n/a	2/16/2023	152J	No	17	153.2	13.85	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWA-2	398.6	n/a	2/16/2023	267J	No	17	138.3	97.02	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-2R	237.6	n/a	2/16/2023	197J	No	17	120.5	43.64	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39RZ	258.4	n/a	2/14/2023	149J	No	17	165.8	34.53	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39Z	169.9	n/a	2/13/2023	105J	No	16	69.56	36.89	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-3A	121	n/a	2/17/2023	117J	No	16	3.37	0.5244	31.25	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-40	169.9	n/a	2/13/2023	259J	No	17	103.5	24.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41	203.5	n/a	2/13/2023	111J	No	17	85.94	43.82	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41R	269.7	n/a	2/13/2023	163J	No	17	159.5	41.05	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-42	186.7	n/a	2/13/2023	226	Yes	17	134.1	19.58	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43	90.96	n/a	2/14/2023	60.9	No	17	37.29	20	17.65	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43R	191.5	n/a	2/13/2023	126	No	17	139.8	19.27	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-4RZ	425.2	n/a	2/17/2023	252J	No	17	15.84	1.782	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50	46.57	n/a	2/16/2023	25ND	No	17	21.74	9.254	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50R	96.25	n/a	2/16/2023	25ND	No	17	33.65	23.33	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10	208.4	n/a	2/20/2023	47	No	17	125.3	30.95	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10R	244.5	n/a	2/20/2023	154	No	17	147	36.34	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11	151.3	n/a	2/20/2023	98	No	17	91.59	22.25	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11R	176.7	n/a	2/20/2023	149	No	17	130.5	17.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-12	104	n/a	2/21/2023	42	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	2/22/2023	1020	Yes	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13RZ	363	n/a	2/22/2023	254	No	17	66958	24165	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-14Z	286.7	n/a	2/22/2023	65	No	17	10.28	2.48	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15R	238.8	n/a	2/22/2023	174	No	17	167.6	26.5	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15Z	223.8	n/a	2/22/2023	111	No	17	117.9	39.46	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-44	201.1	n/a	2/14/2023	70.9	No	18	6.914	2.746	16.67	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45	60	n/a	2/14/2023	33.9	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45R	251.4	n/a	2/14/2023	206	No	17	165.1	32.17	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-46R	298.8	n/a	2/14/2023	199	No	17	233.9	24.2	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47	176.7	n/a	2/14/2023	111J	No	17	125.5	19.06	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47R	200.3	n/a	2/14/2023	151	No	17	21576	6910	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-48	98.66	n/a	2/14/2023	30.9	No	17	5.376	1.698	23.53	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49R	191	n/a	2/14/2023	114	No	17	124.8	24.67	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49Z	64.75	n/a	2/14/2023	25ND	No	17	31.83	12.27	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-5	123.8	n/a	2/20/2023	53	No	17	5.754	2.001	17.65	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6	164.9	n/a	2/17/2023	75J	No	17	8.794	1.509	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6RZ	164.6	n/a	2/17/2023	50J	No	17	69.88	35.29	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-7Z	172	n/a	2/20/2023	122	No	17	121	19	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8RR	133.8	n/a	2/21/2023	77	No	17	107.8	9.712	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8Z	186	n/a	2/20/2023	86	No	17	111.5	27.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-9	175.8	n/a	2/21/2023	12.5ND	No	17	57.85	43.95	5.882	None	No	0.0002894	Param Intra 1 of 2

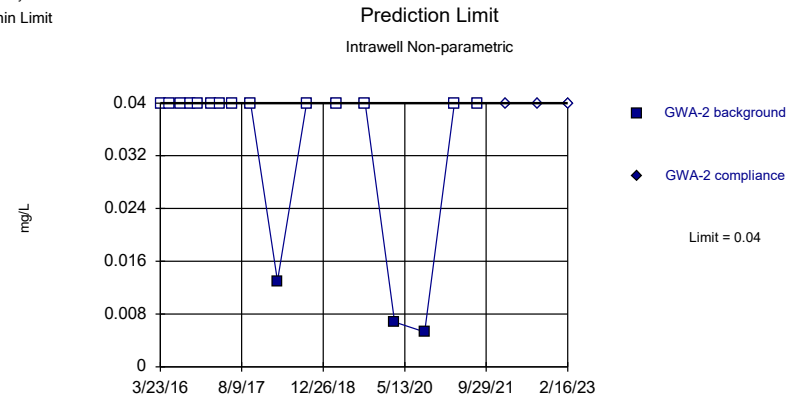
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

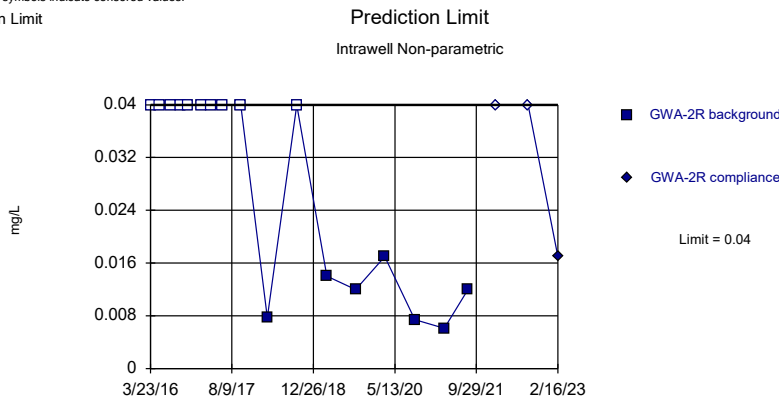
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

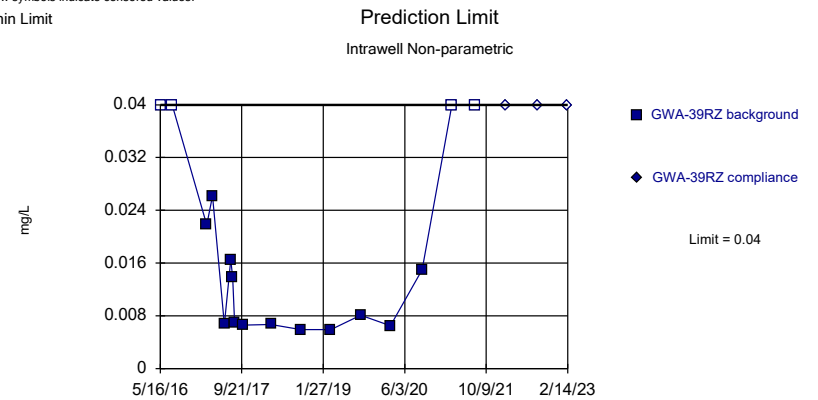
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

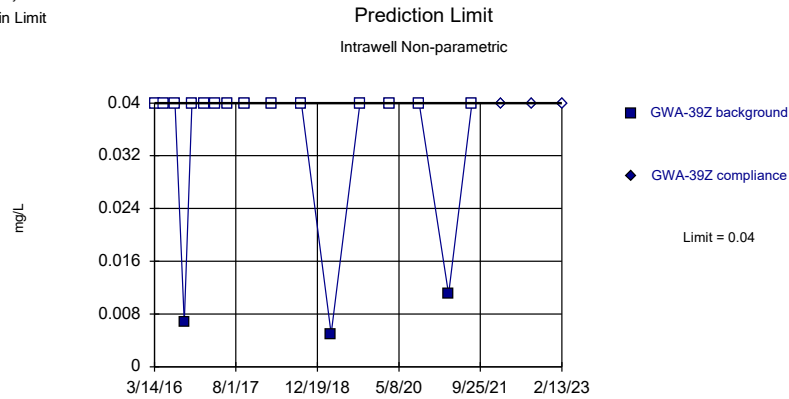
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 23.53% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

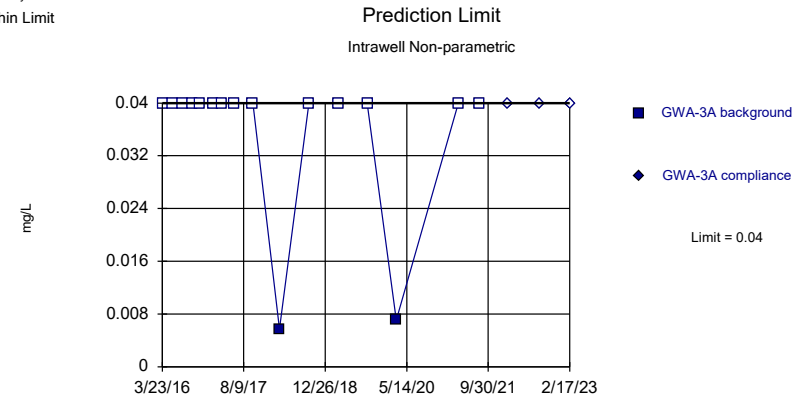
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

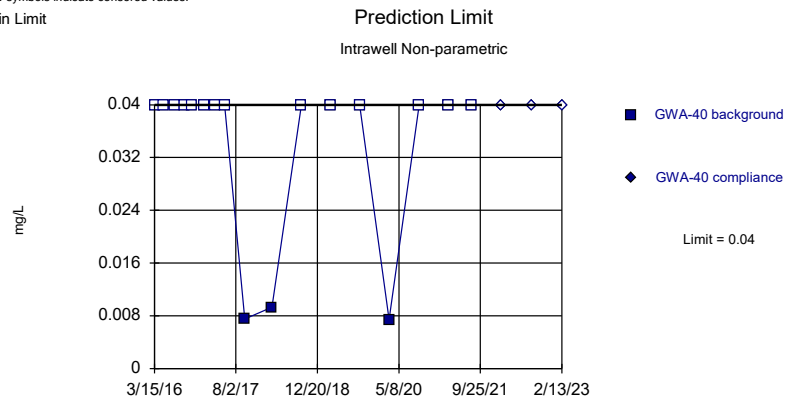
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

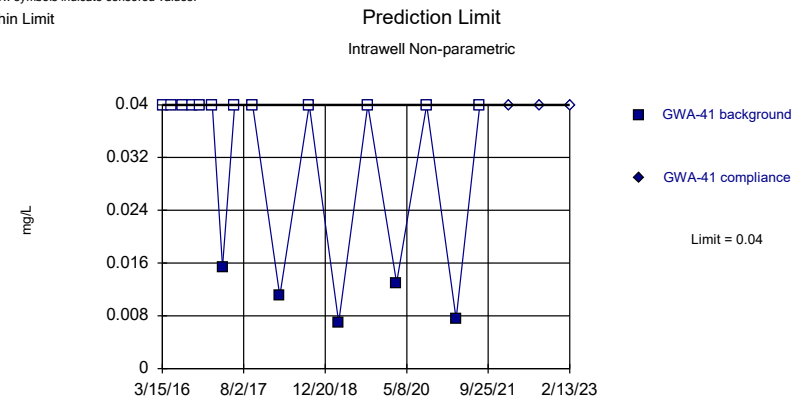
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

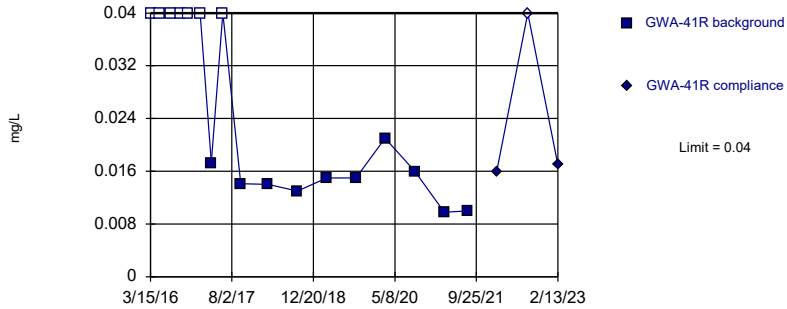


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

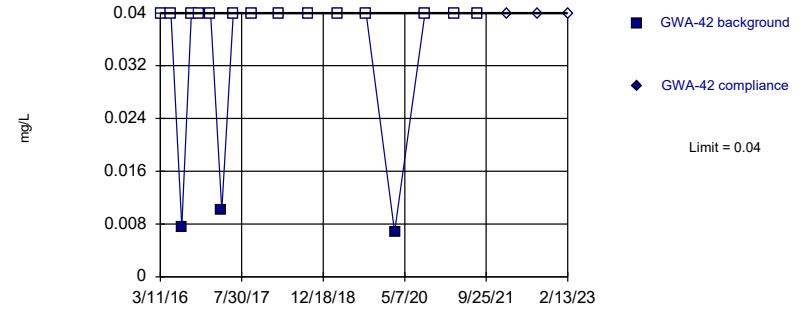


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

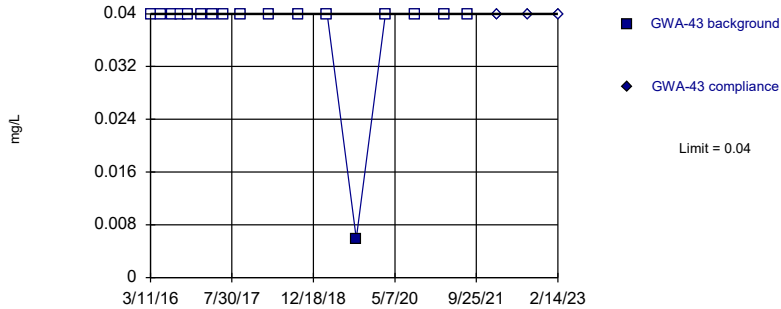


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

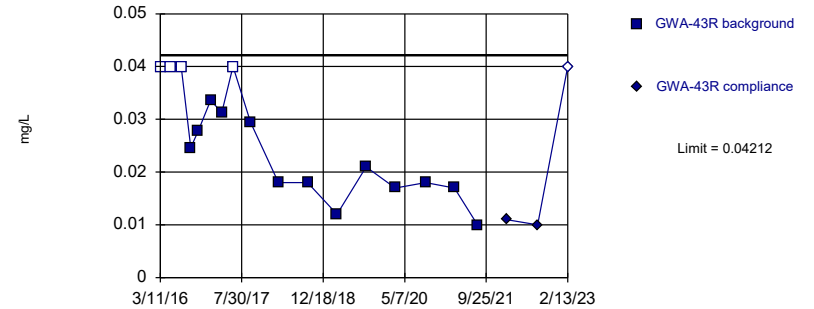


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric



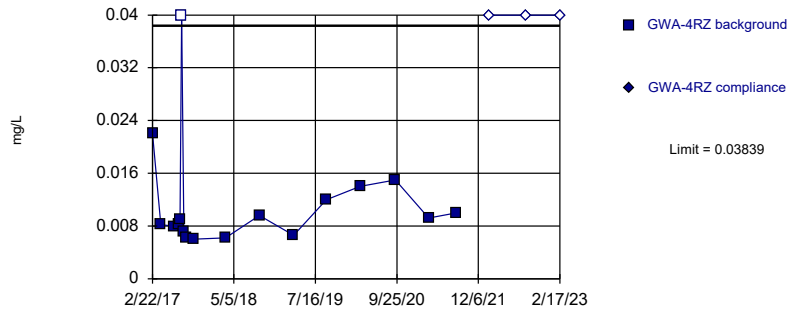
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.02003, Std. Dev.=0.008233, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9058, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



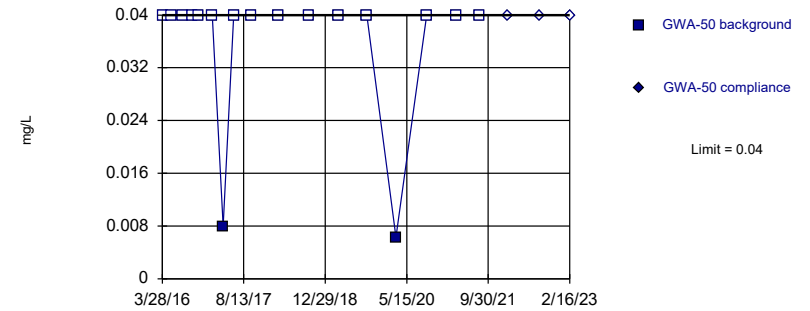
Background Data Summary (based on natural log transformation): Mean=-4.603, Std. Dev.=0.5005, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.855, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric



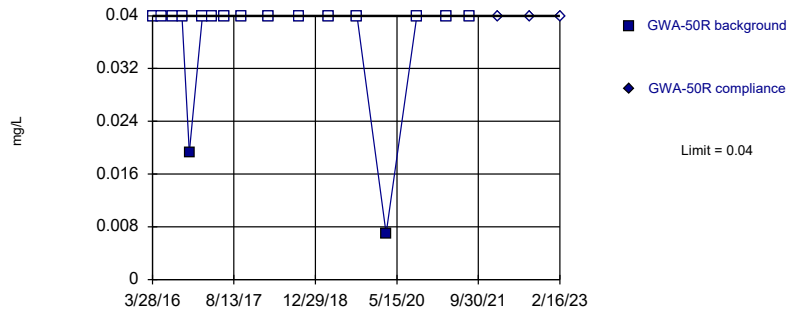
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric



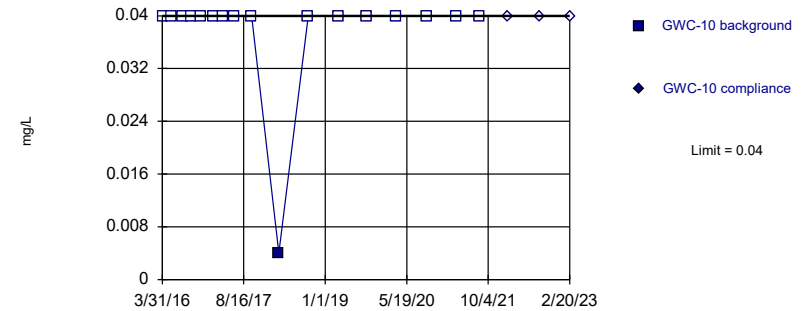
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric

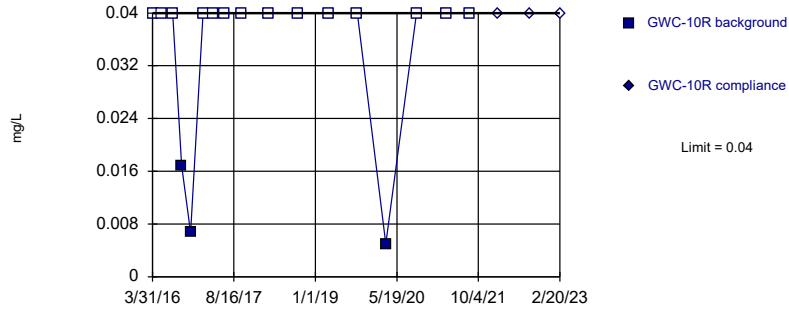


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

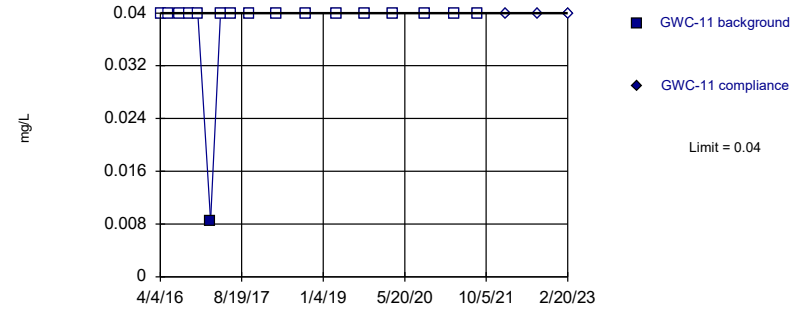


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

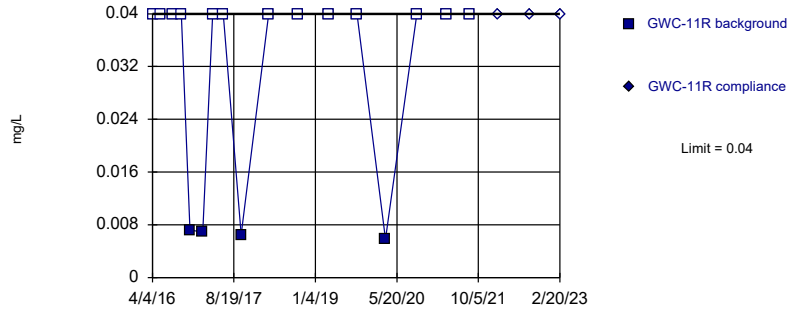


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

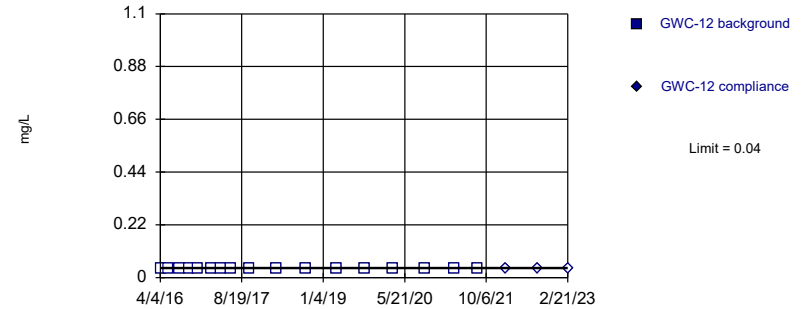


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric



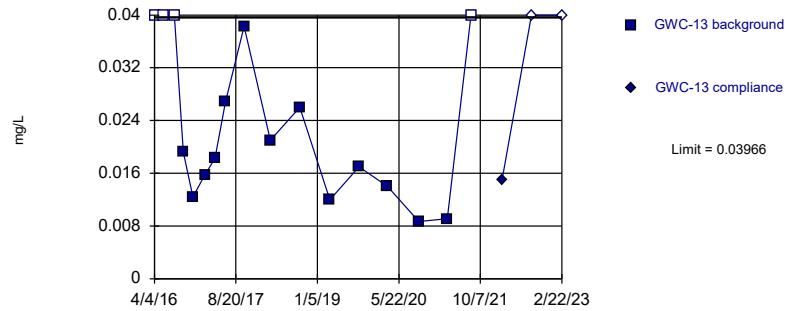
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



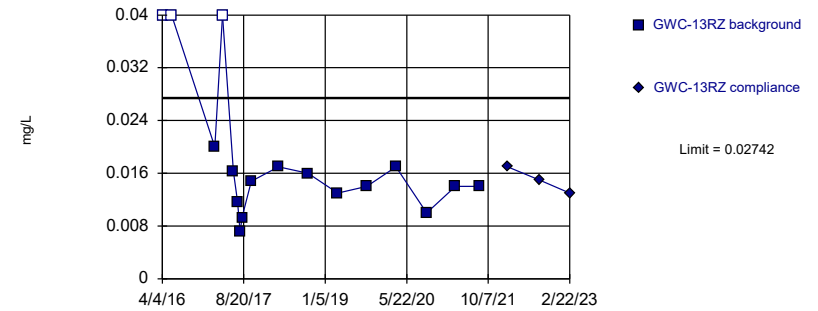
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.01835, Std. Dev.=0.00794, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8577, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



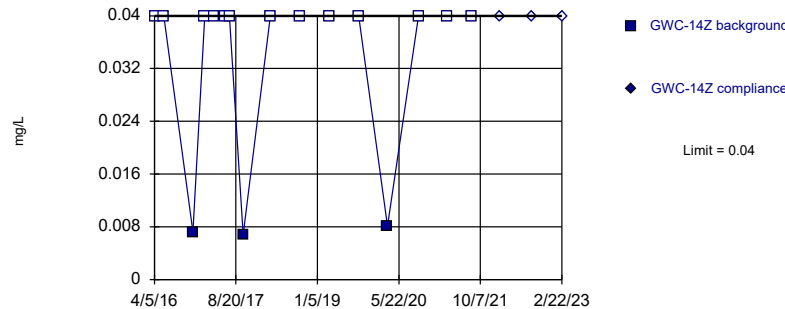
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-4.386, Std. Dev.=0.2941, n=17, 17.65% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.889, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric



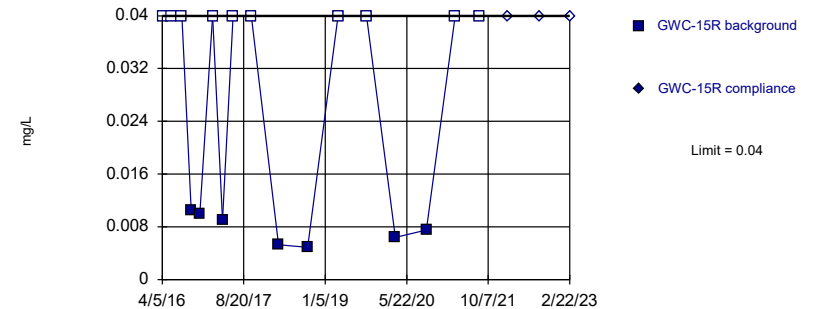
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric

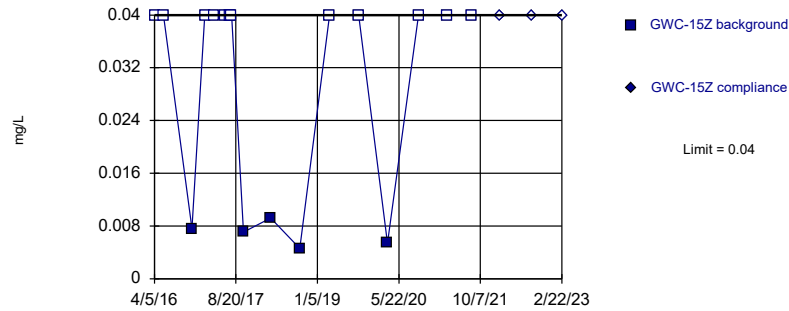


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

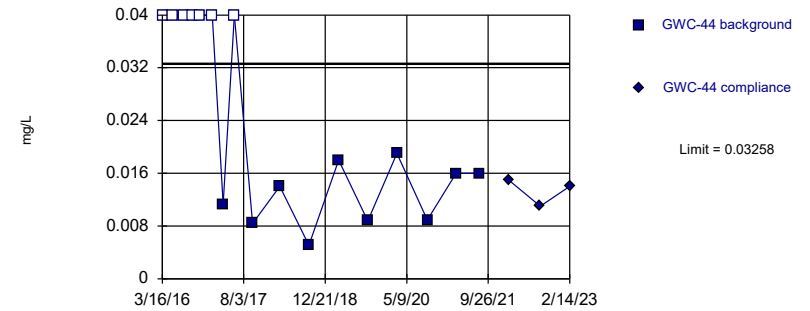


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

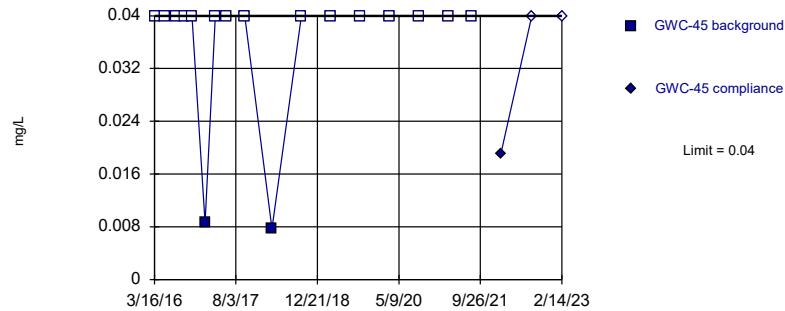


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-4.509, Std. Dev.=0.4043, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8592, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

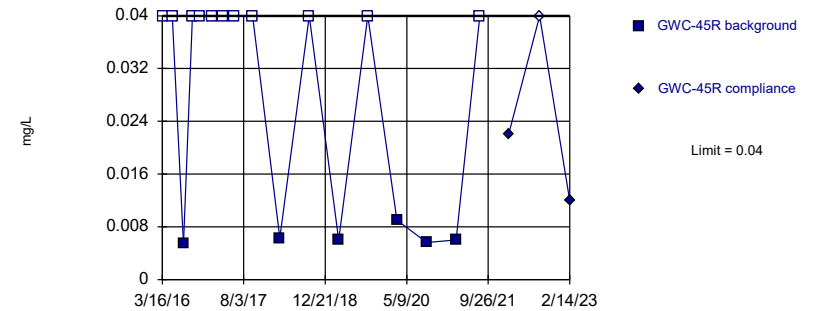


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

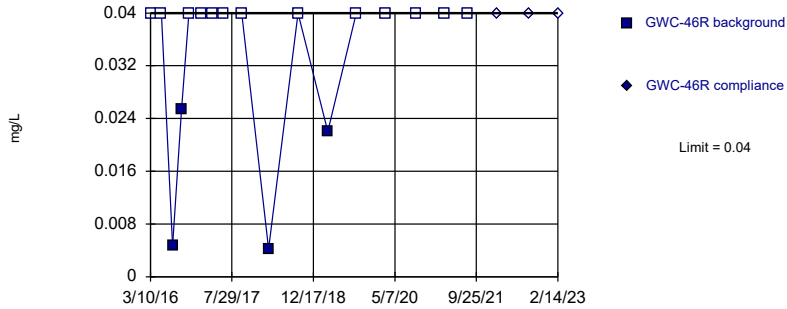


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

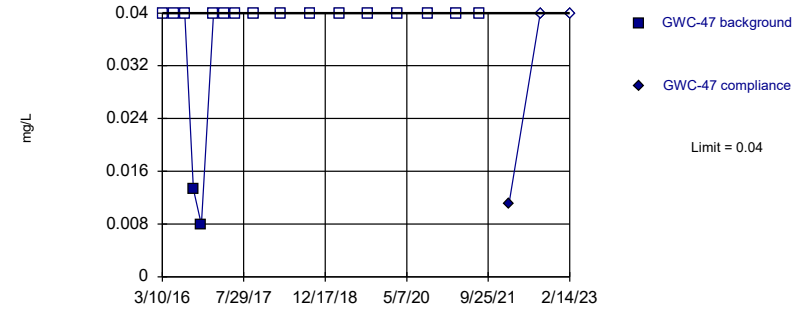


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

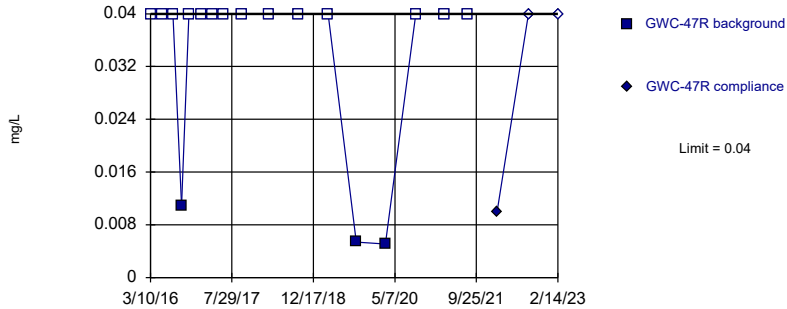


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

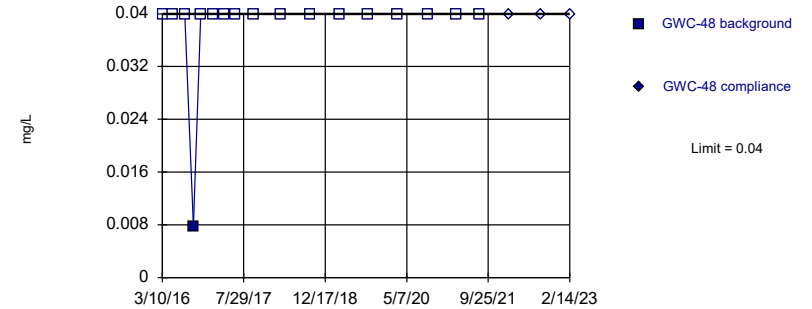


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

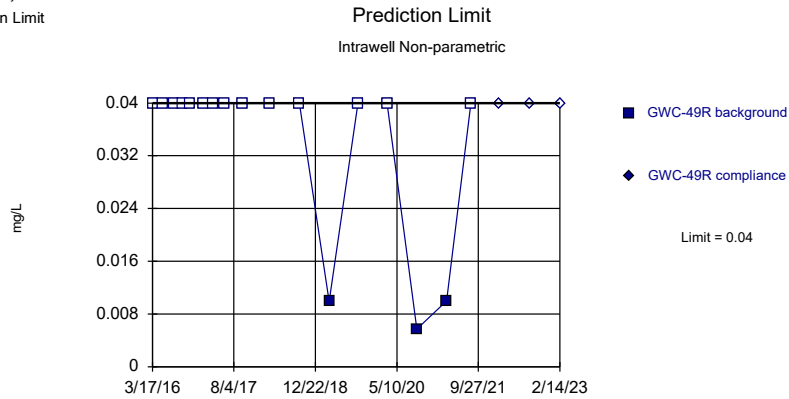
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

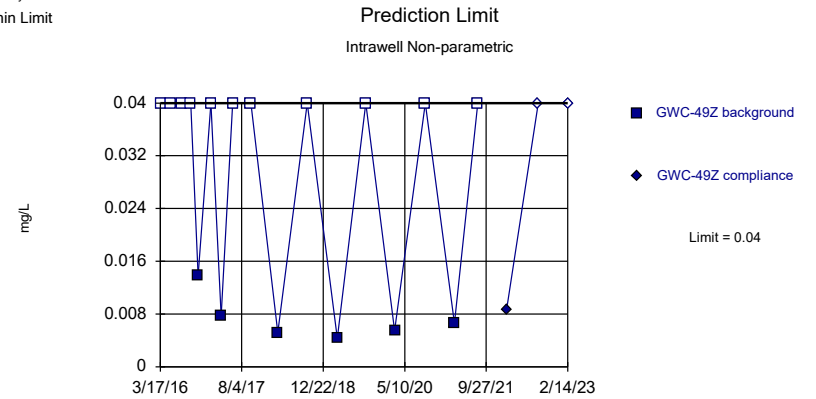
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

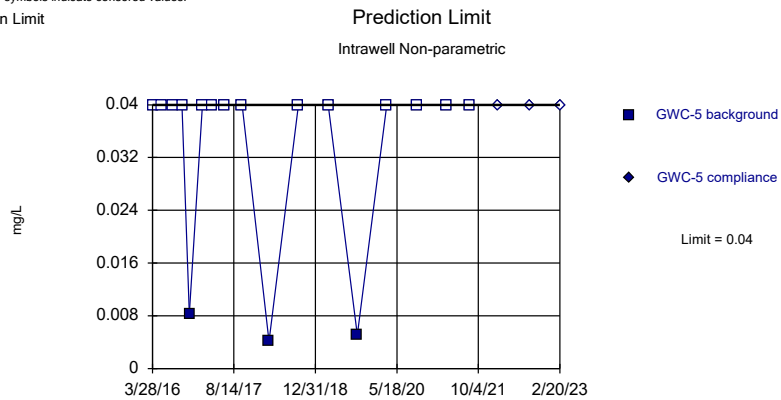
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

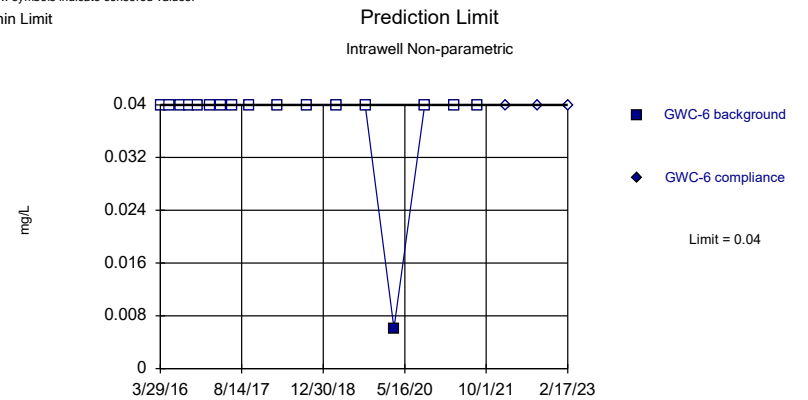
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

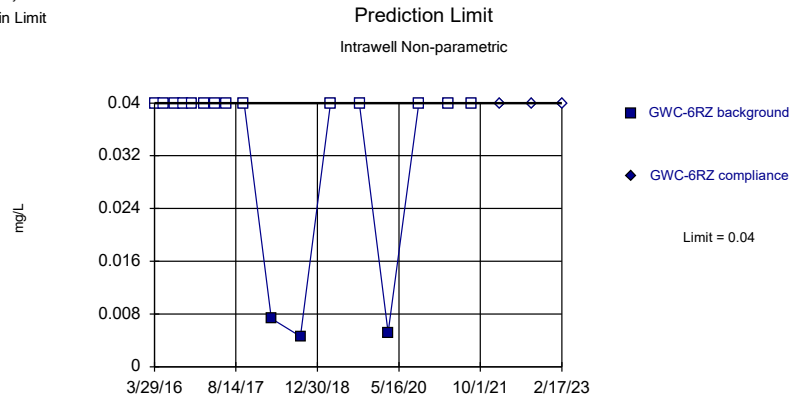
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

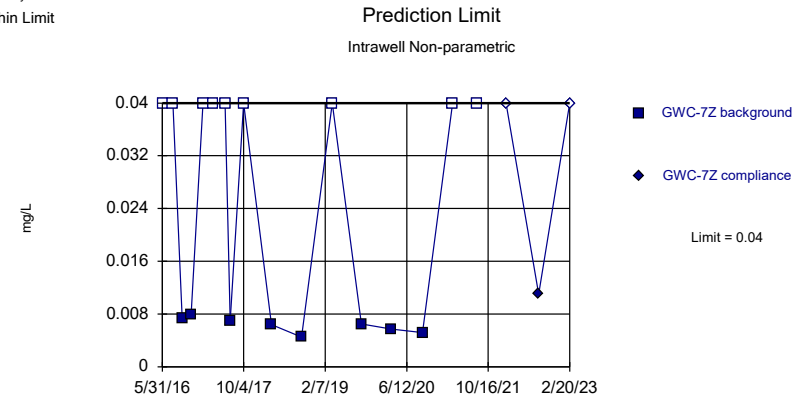
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

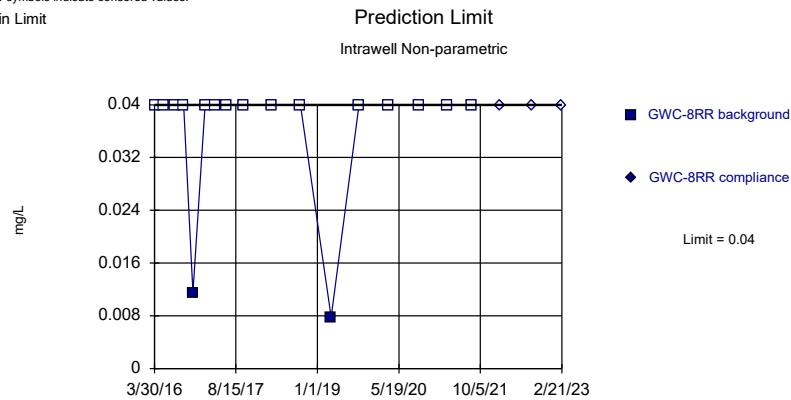
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

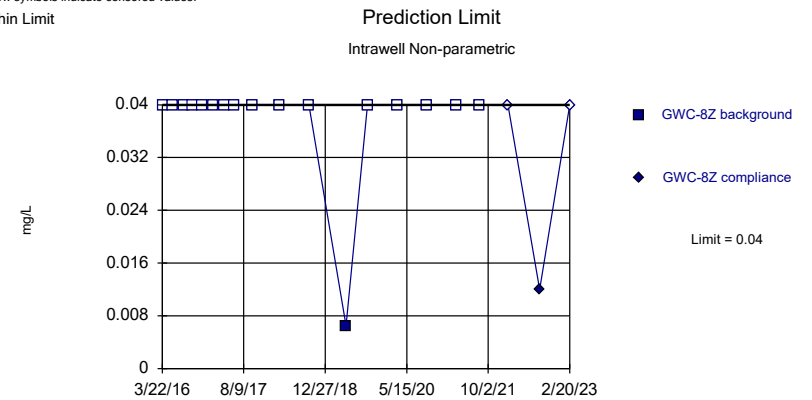
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

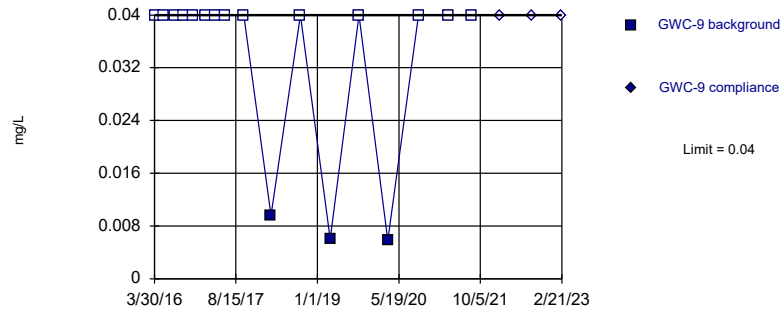


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

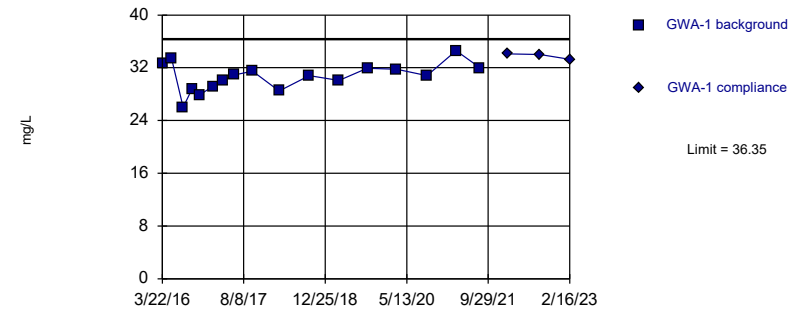


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

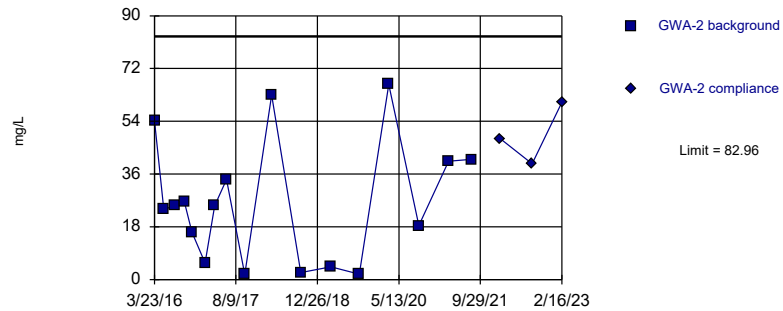


Background Data Summary: Mean=30.64, Std. Dev.=2.13, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9879, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

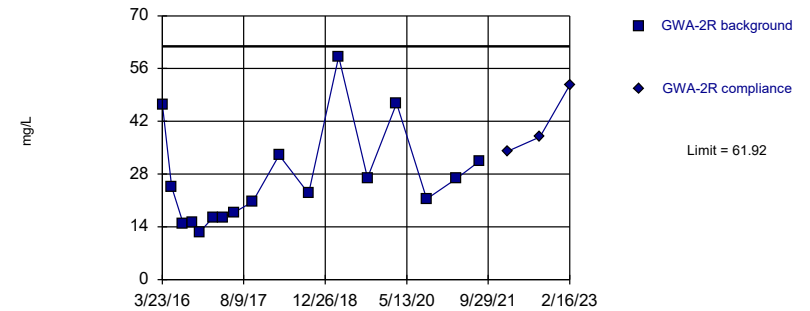


Background Data Summary: Mean=26.51, Std. Dev.=21.04, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9185, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

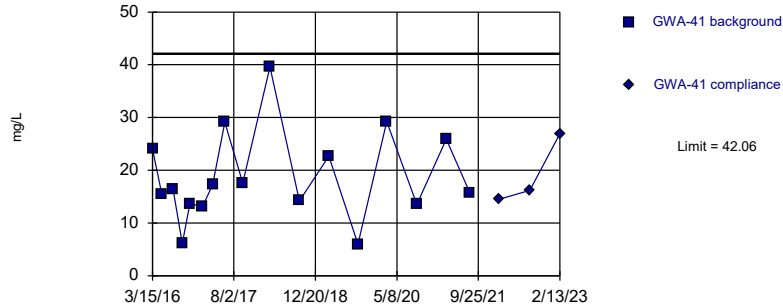


Background Data Summary: Mean=26.68, Std. Dev.=13.13, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.86, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

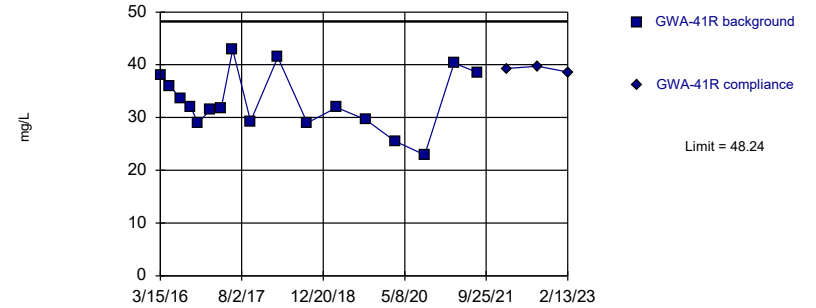


Background Data Summary: Mean=18.81, Std. Dev.=8.667, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.934, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

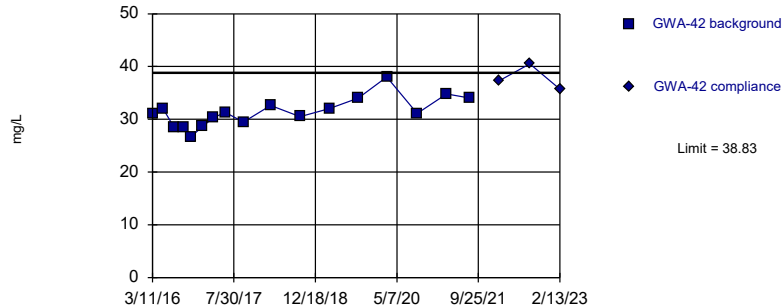


Background Data Summary: Mean=33.1, Std. Dev.=5.641, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9609, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

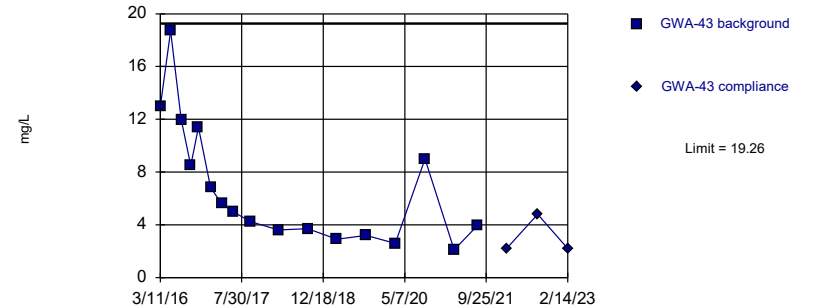


Background Data Summary: Mean=31.39, Std. Dev.=2.773, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9691, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

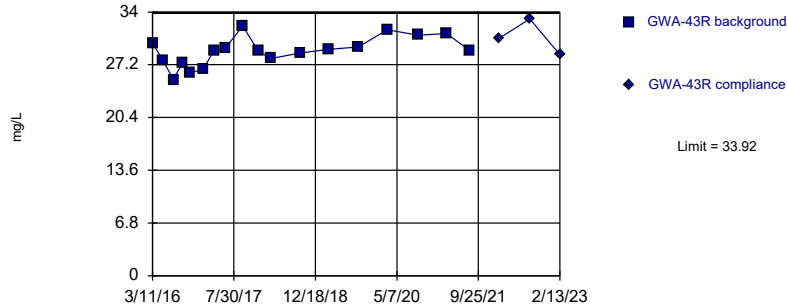


Background Data Summary: Mean=6.843, Std. Dev.=4.628, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8631, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

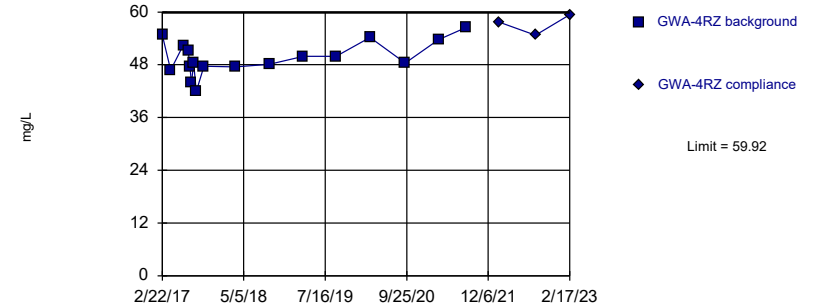


Background Data Summary: Mean=28.96, Std. Dev.=1.875, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9746, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

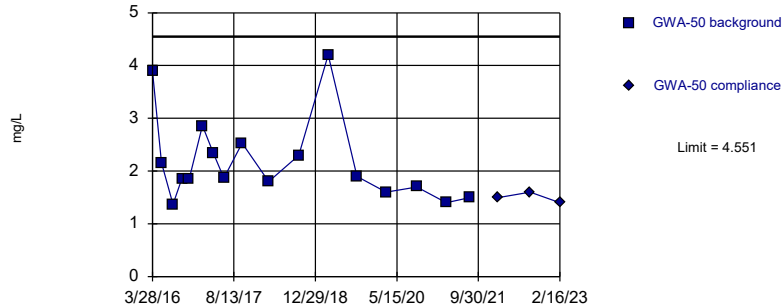


Background Data Summary: Mean=49.56, Std. Dev.=3.858, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9676, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

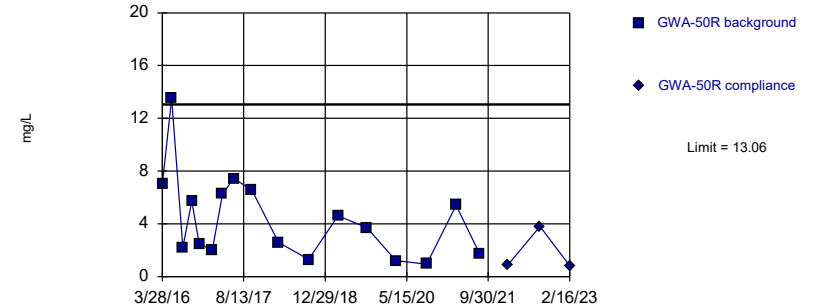


Background Data Summary (based on square root transformation): Mean=1.458, Std. Dev.=0.2518, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8714, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

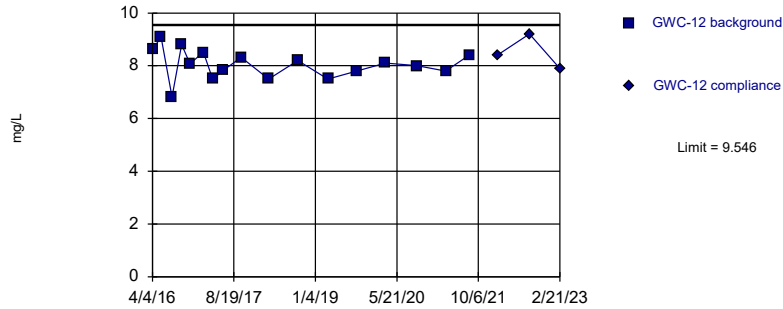


Background Data Summary: Mean=4.392, Std. Dev.=3.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8664, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

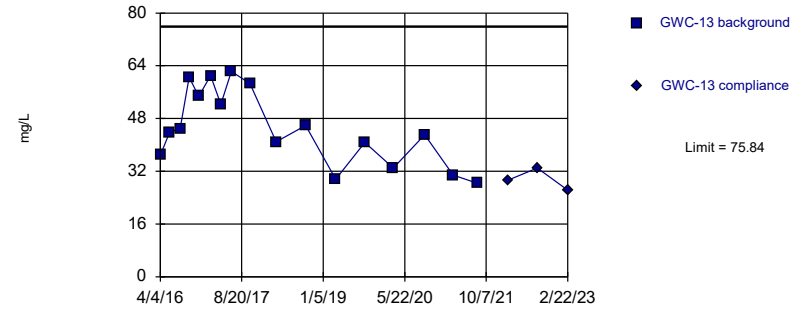


Background Data Summary: Mean=8.05, Std. Dev.=0.5575, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9833, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

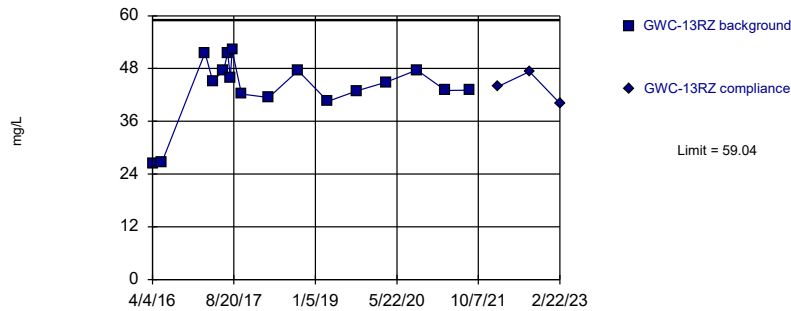


Background Data Summary: Mean=45.15, Std. Dev.=11.44, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9329, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

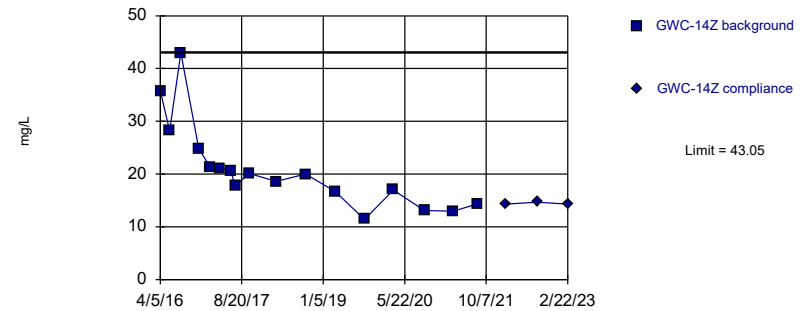


Background Data Summary (based on square transformation): Mean=1947, Std. Dev.=573.4, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8872, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

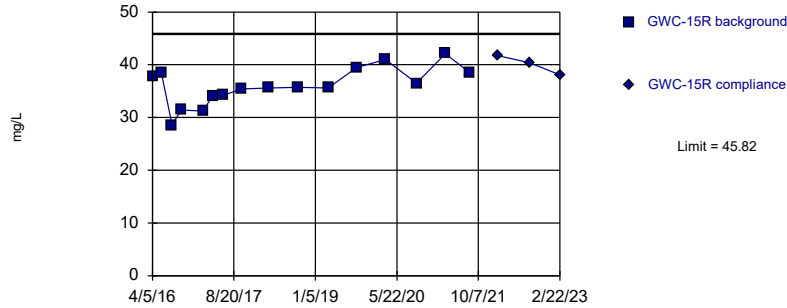


Background Data Summary: Mean=20.97, Std. Dev.=8.227, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8565, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

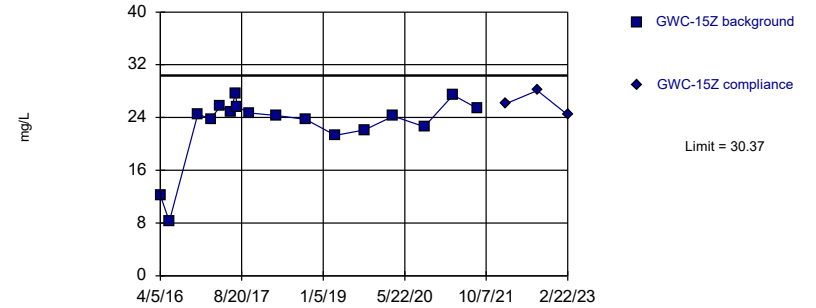


Background Data Summary: Mean=35.98, Std. Dev.=3.621, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9765, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

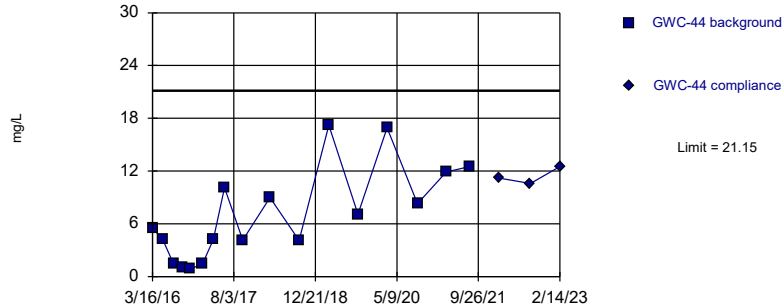


Background Data Summary (based on cube transformation): Mean=13334, Std. Dev.=5471, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8822, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

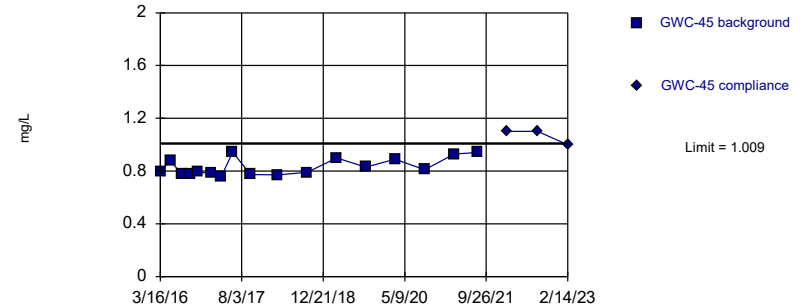


Background Data Summary: Mean=7.058, Std. Dev.=5.251, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.912, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

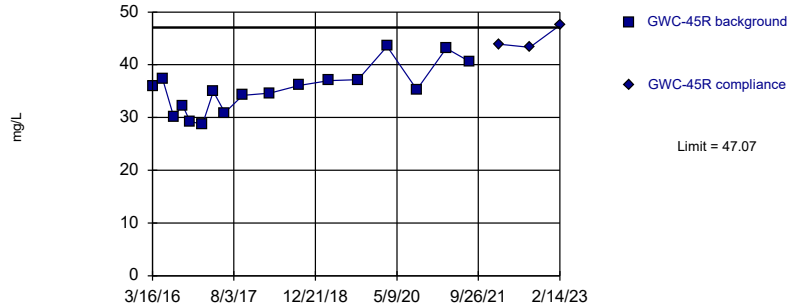


Background Data Summary: Mean=0.8318, Std. Dev.=0.06622, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8519, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

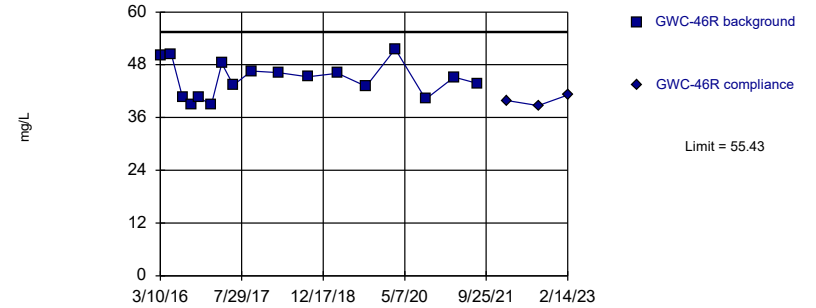


Background Data Summary: Mean=35.37, Std. Dev.=4.358, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9519, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

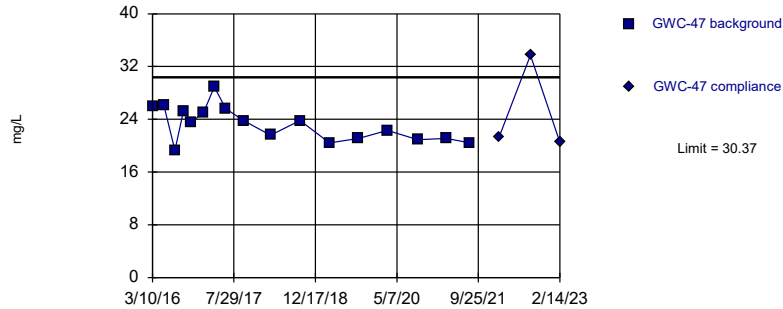


Background Data Summary: Mean=44.66, Std. Dev.=4.014, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9542, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

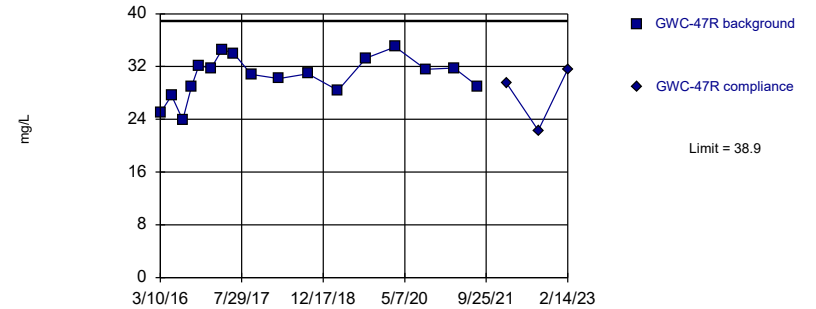


Background Data Summary: Mean=23.26, Std. Dev.=2.649, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9486, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric



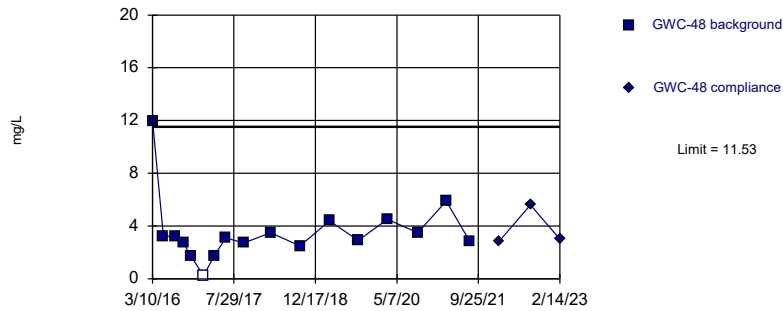
Background Data Summary: Mean=30.52, Std. Dev.=3.123, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9535, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



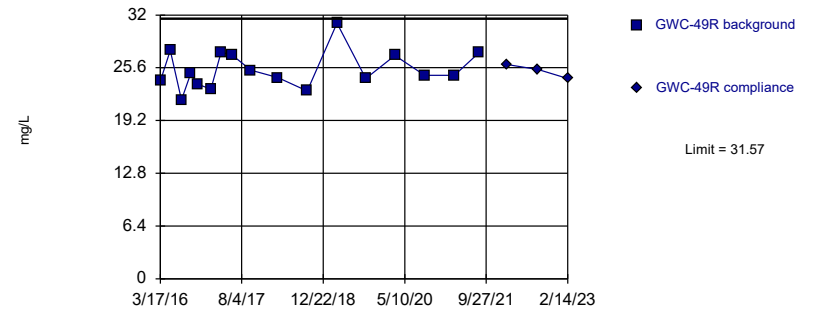
Background Data Summary (based on square root transformation): Mean=1.798, Std. Dev.=0.5951, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8711, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



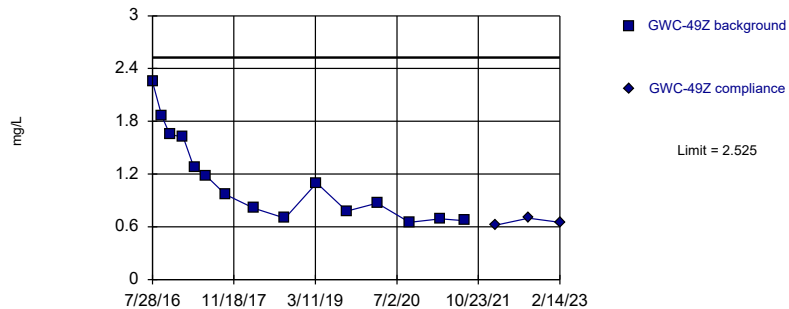
Background Data Summary: Mean=25.36, Std. Dev.=2.314, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9407, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



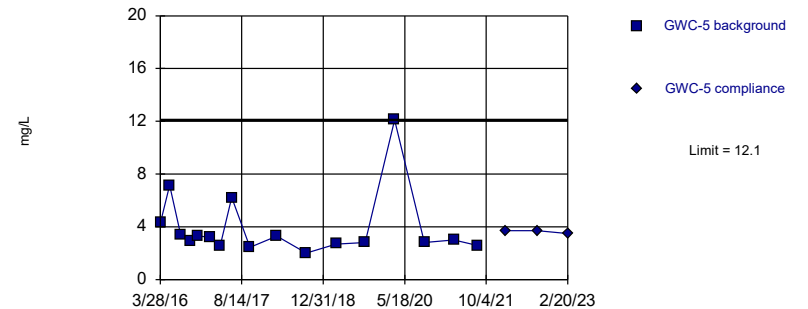
Background Data Summary: Mean=1.138, Std. Dev.=0.4971, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8737, critical = 0.835. Kappa = 2.79 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric

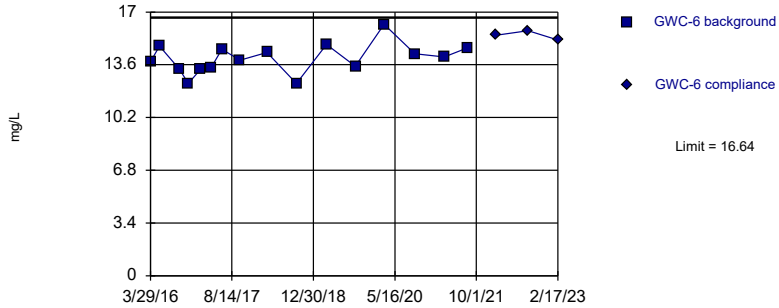


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

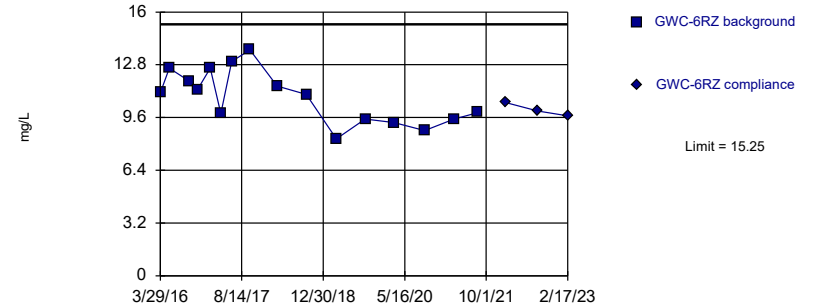


Background Data Summary: Mean=14, Std. Dev.=0.9716, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9621, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

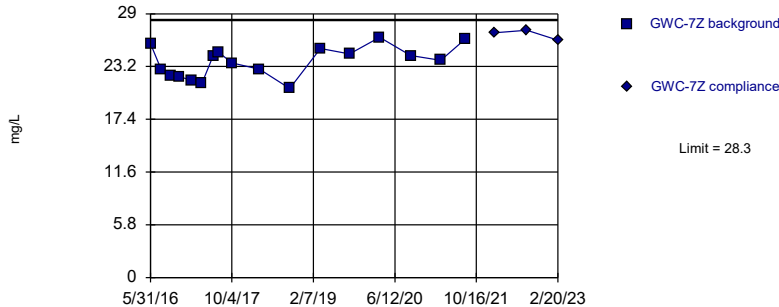


Background Data Summary: Mean=10.86, Std. Dev.=1.616, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9596, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

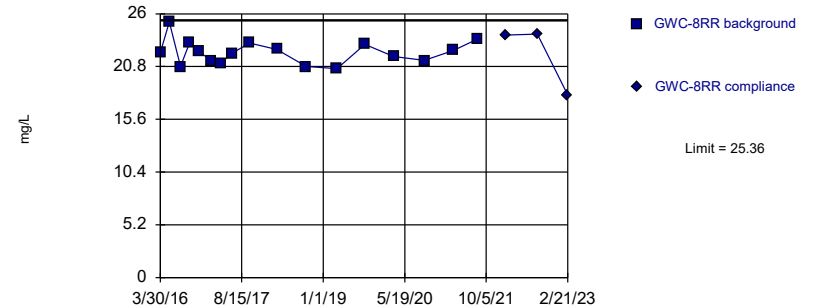


Background Data Summary: Mean=23.72, Std. Dev.=1.707, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9651, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

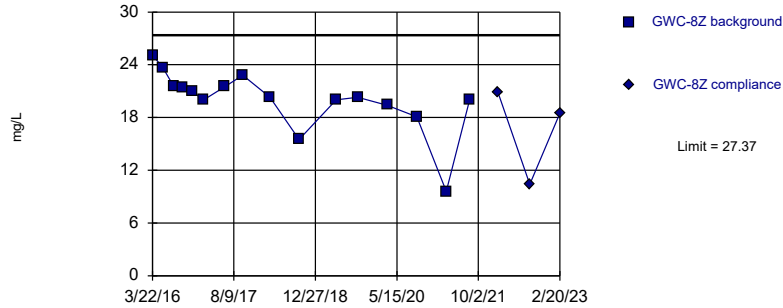


Background Data Summary: Mean=22.19, Std. Dev.=1.179, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9384, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

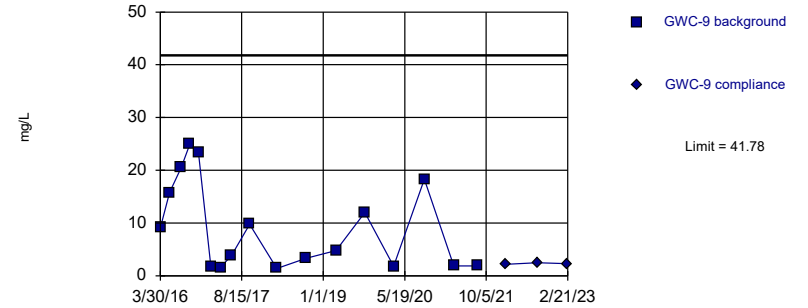


Background Data Summary (based on square transformation): Mean=412.2, Std. Dev.=123.9, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9195, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

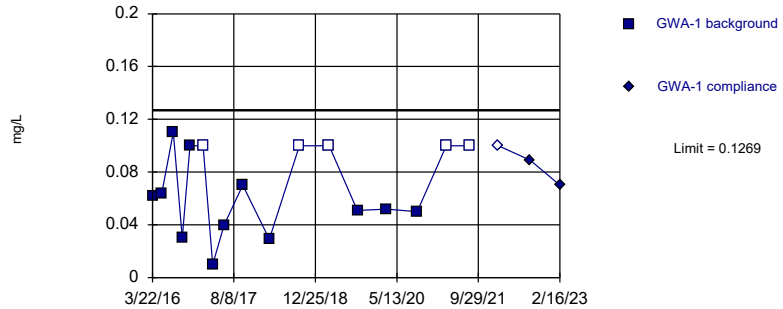


Background Data Summary (based on square root transformation): Mean=2.708, Std. Dev.=1.4, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8699, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

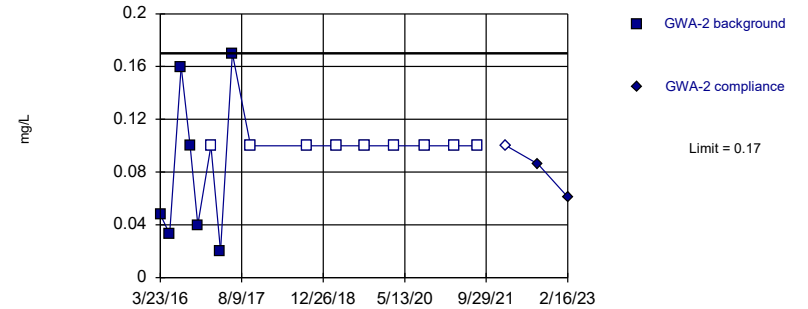


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.05491, Std. Dev.=0.02684, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8951, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

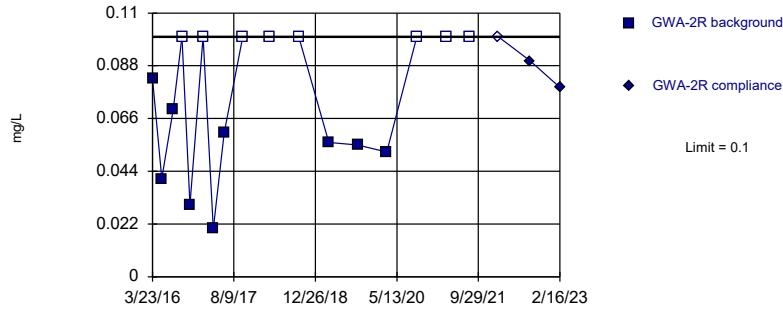


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

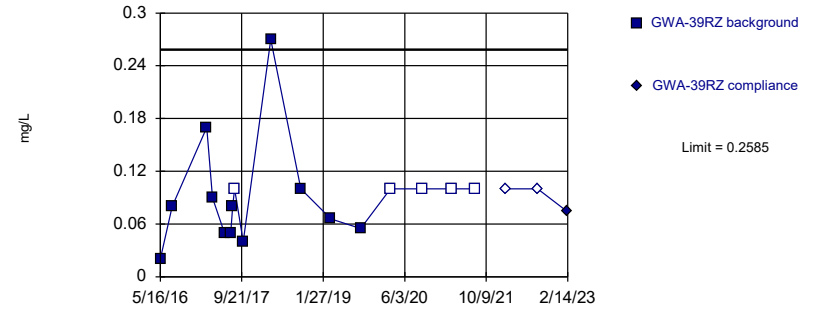


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 47.06% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

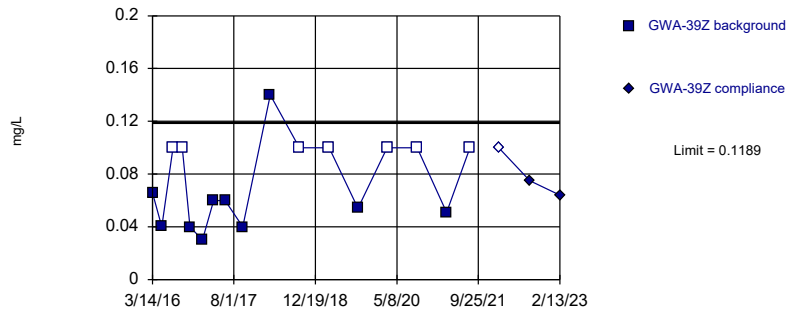


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.2579, Std. Dev.=0.09337, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9007, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

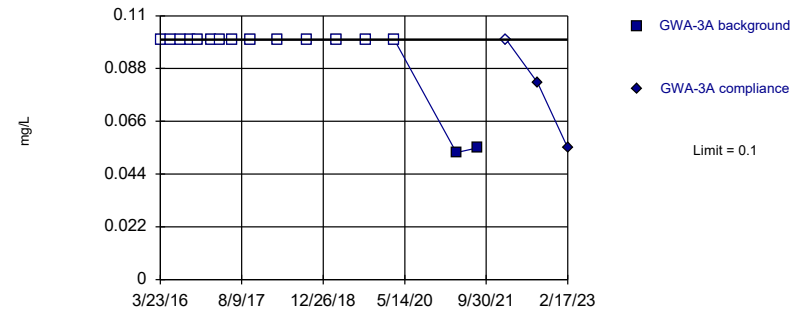


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.05128, Std. Dev.=0.0252, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8838, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

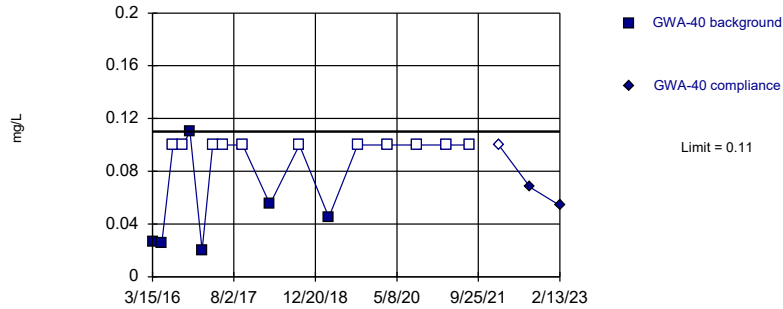


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

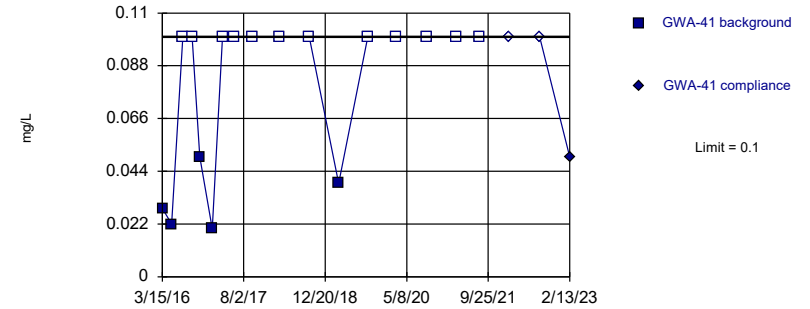


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

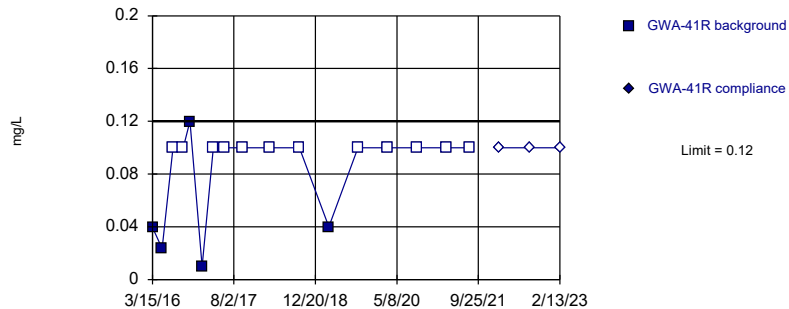


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

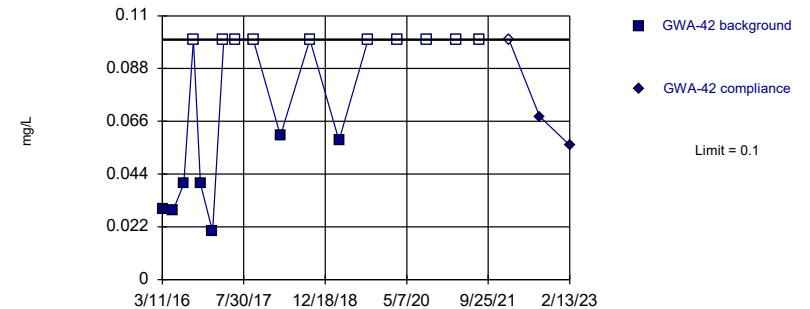


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

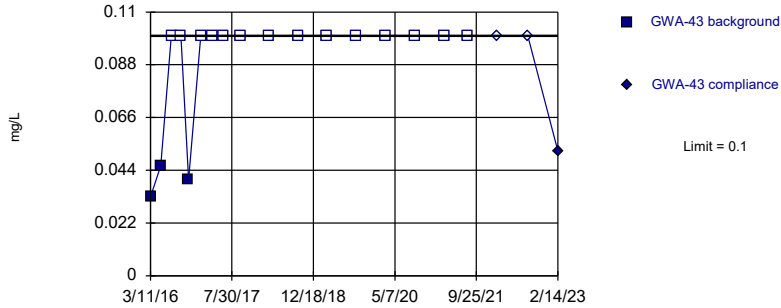


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

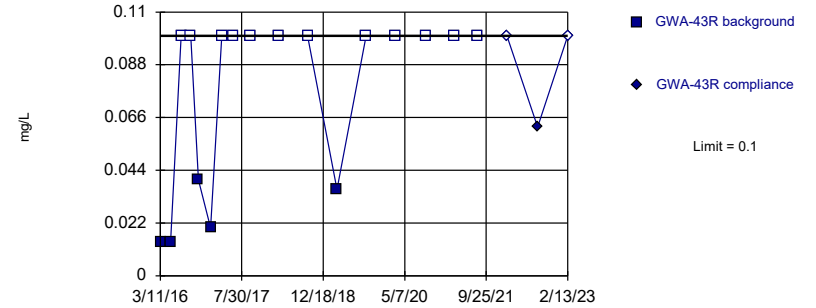


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

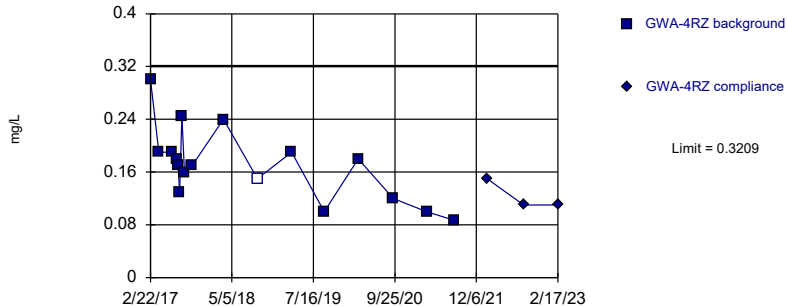


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

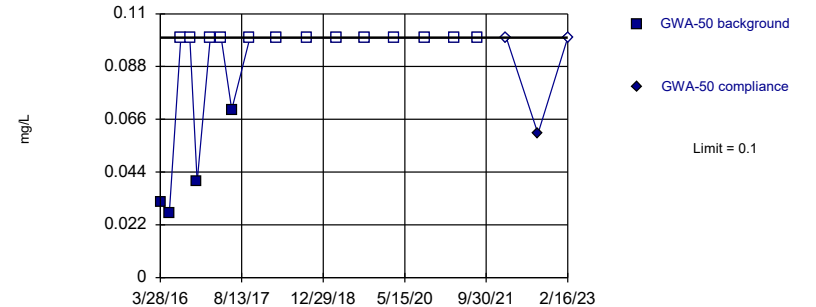


Background Data Summary: Mean=0.1707, Std. Dev.=0.05596, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9497, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

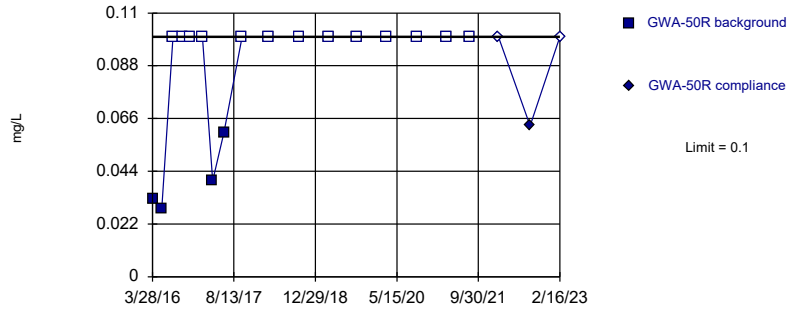


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

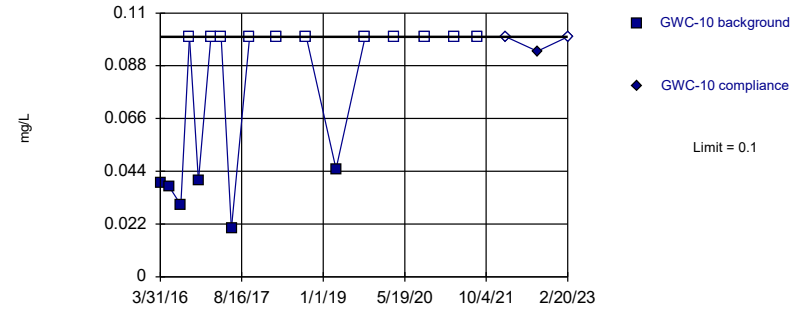


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

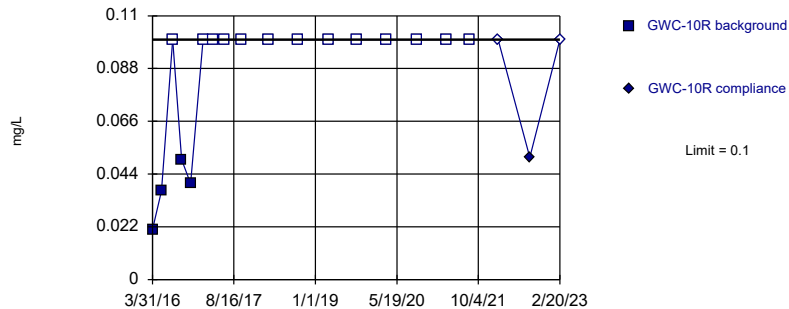


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

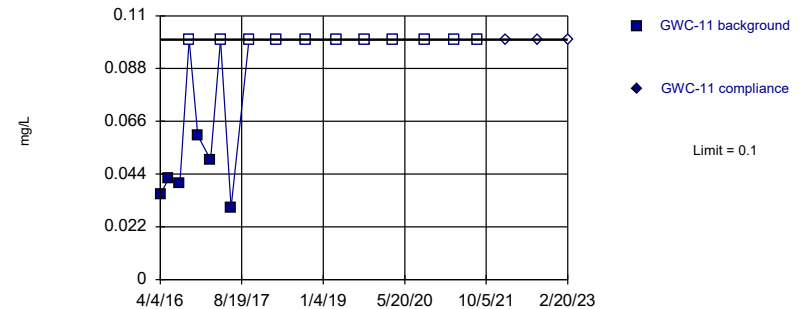


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

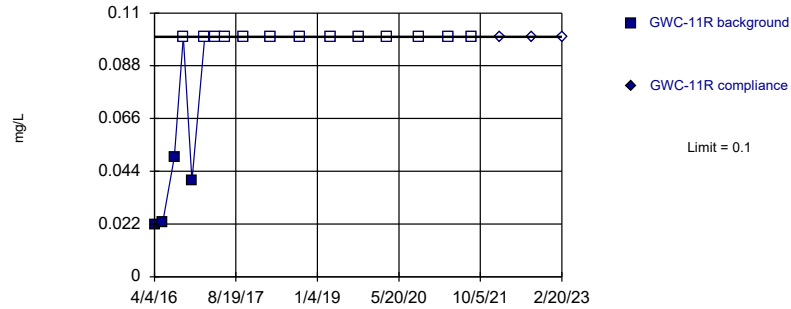


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

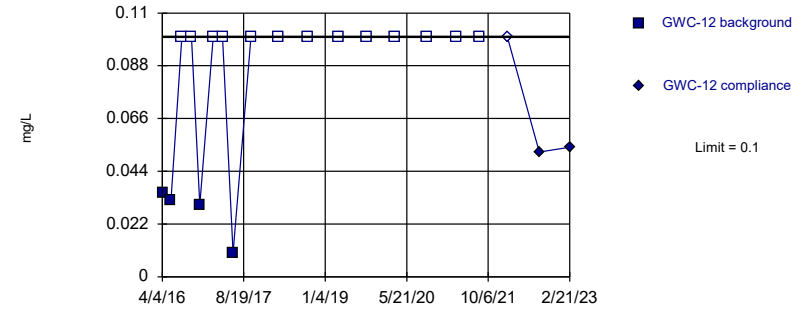


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

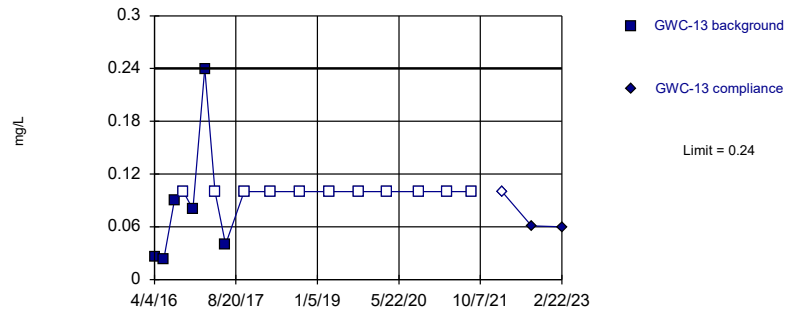


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

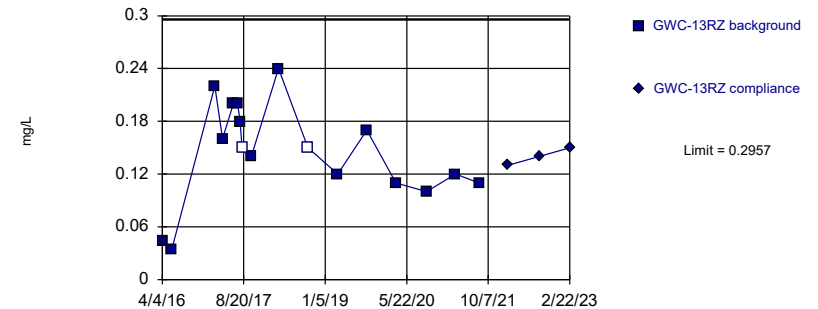


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

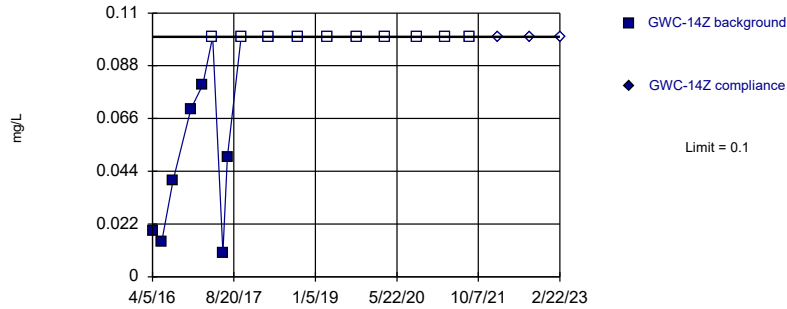


Background Data Summary: Mean=0.144, Std. Dev.=0.05653, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.971, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

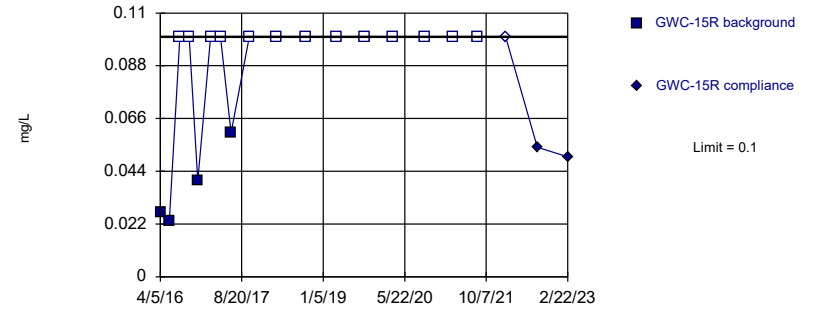


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

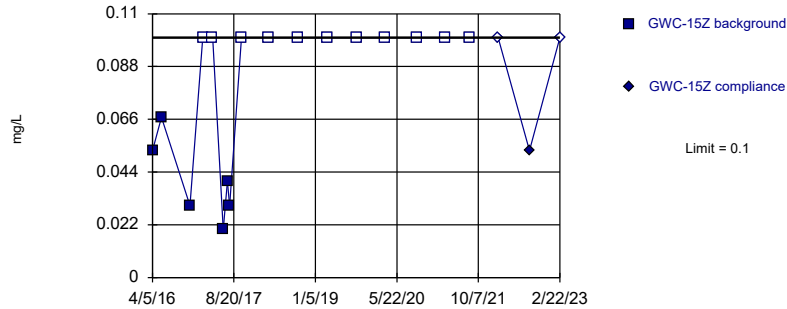


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

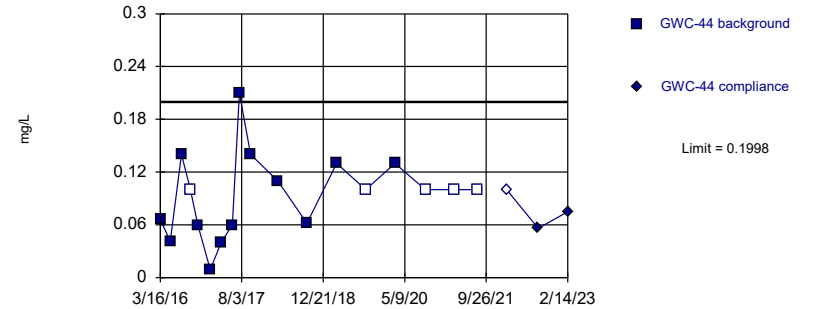


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

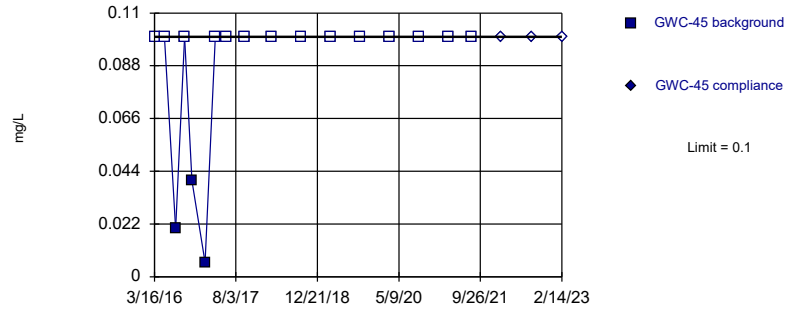


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0679, Std. Dev.=0.04985, n=18, 27.78% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9543, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

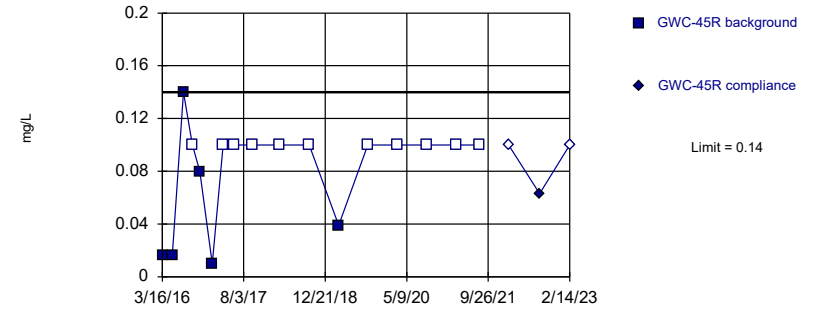


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

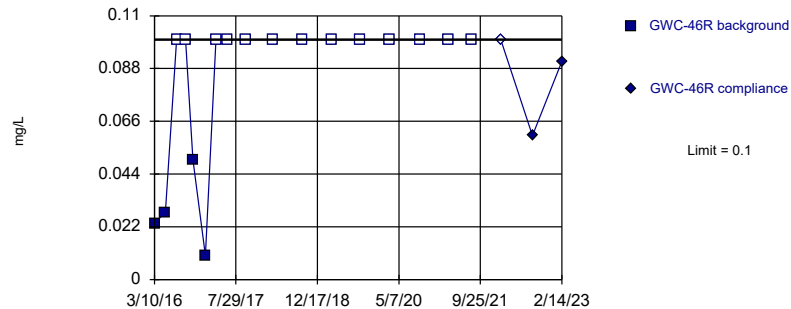


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

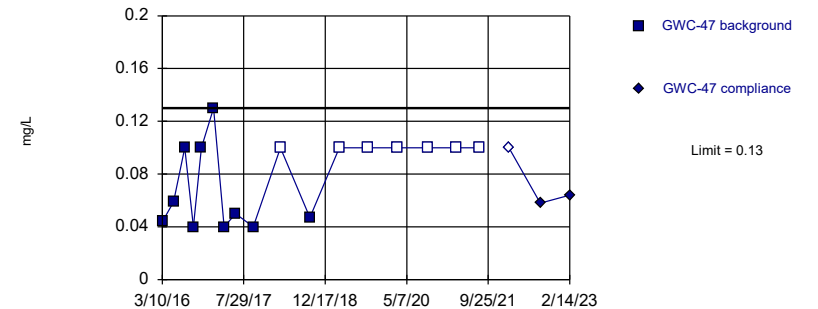


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

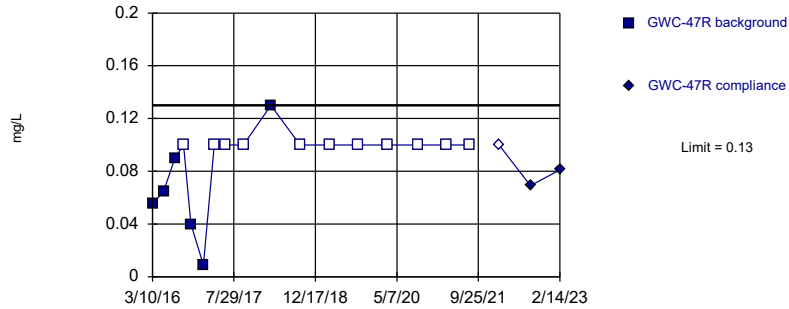


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

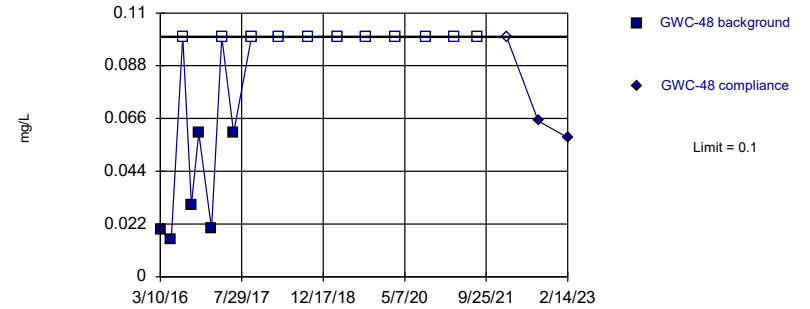


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

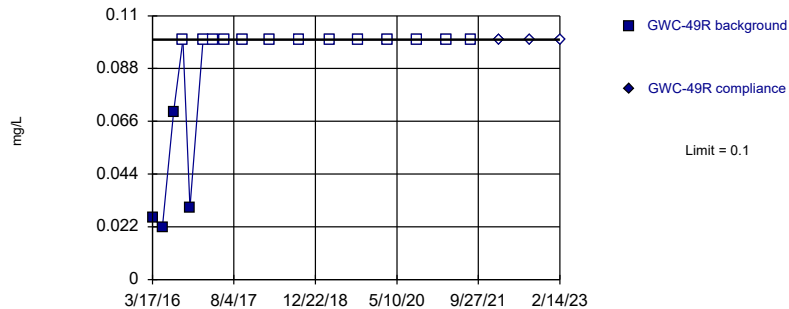


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

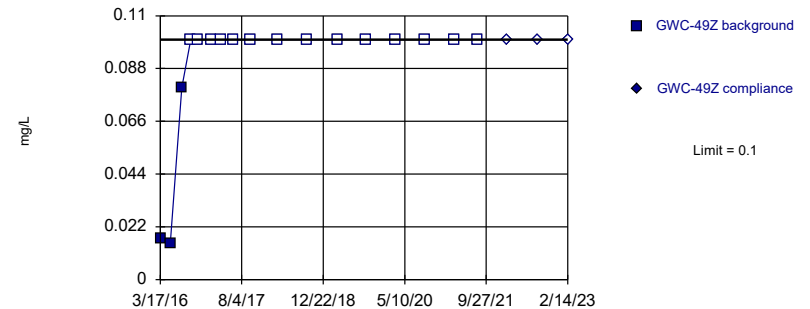


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

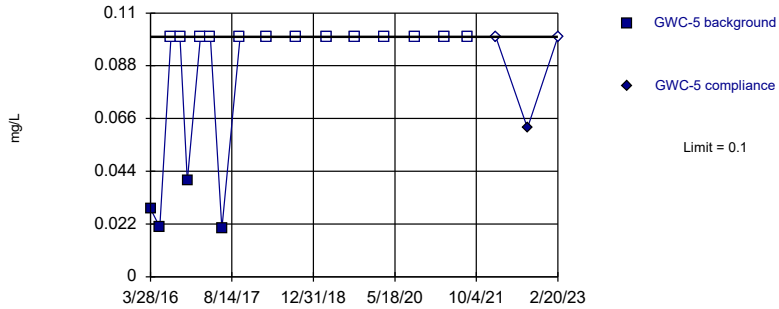


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

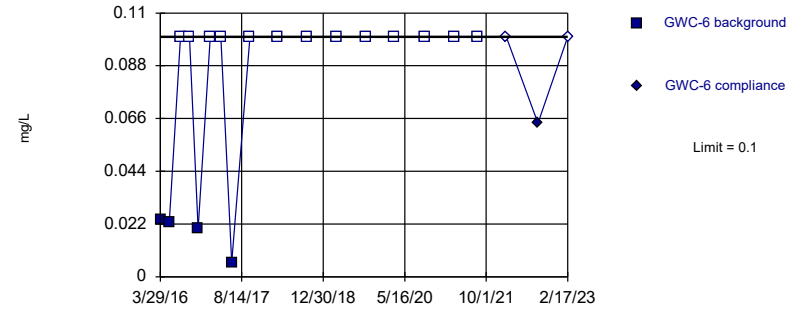


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

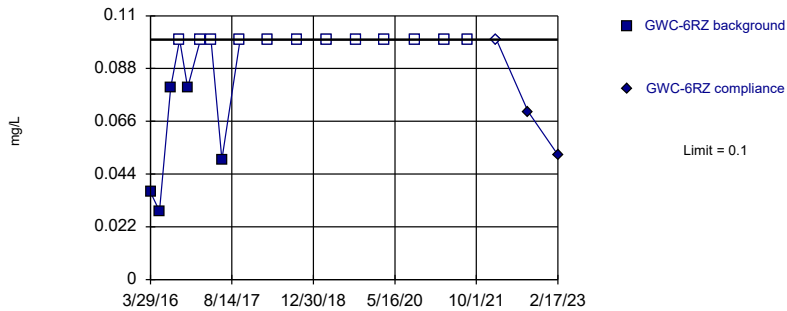


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

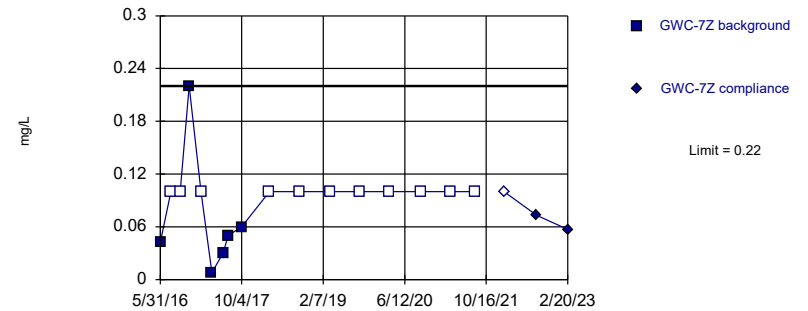


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

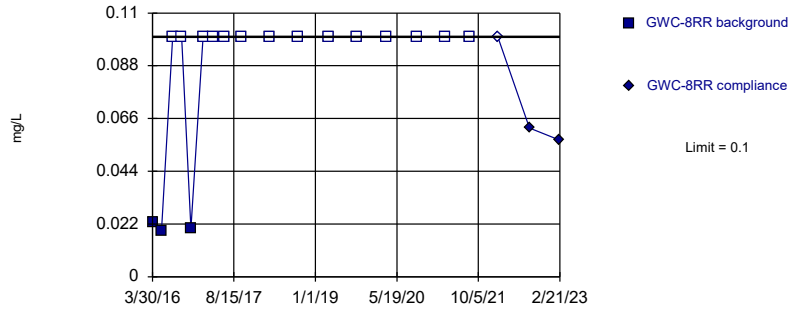


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

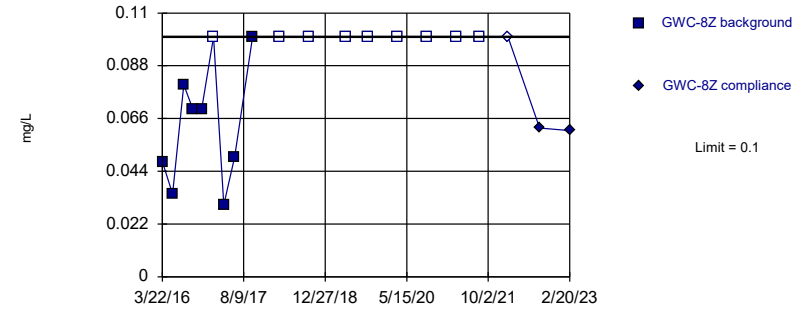


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

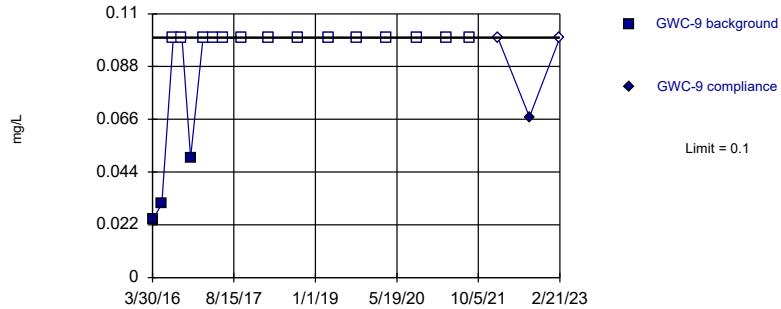


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

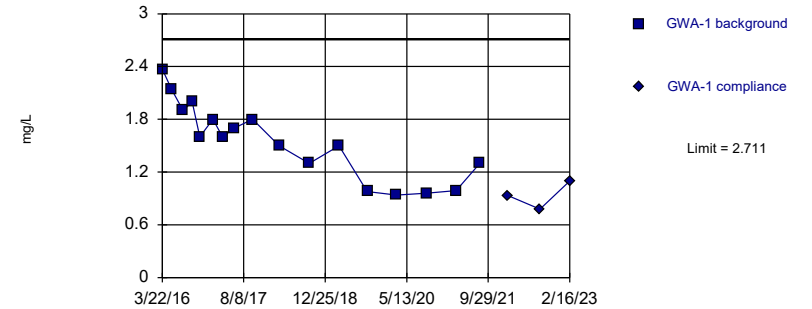


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

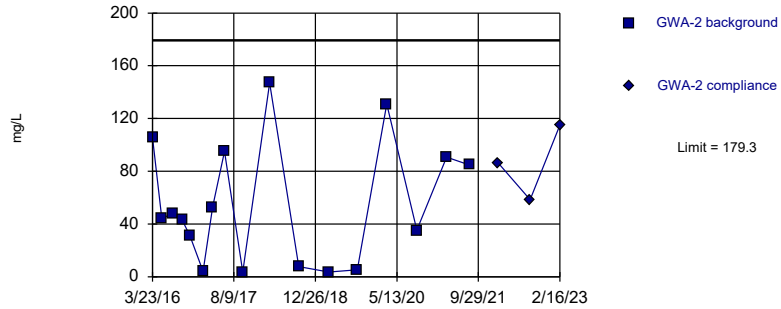
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=1.552, Std. Dev.=0.4319, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9521, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

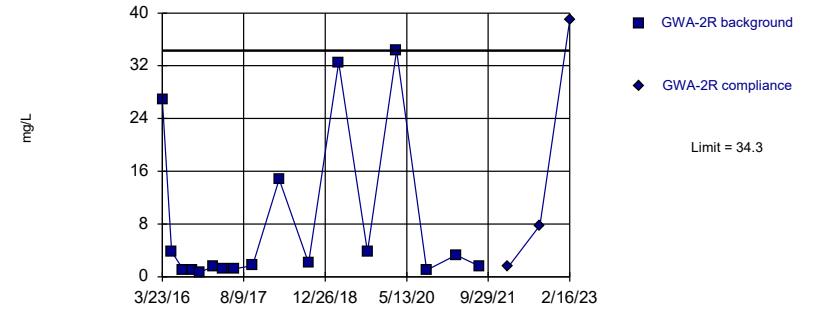
Within Limit Prediction Limit Intrawell Parametric



Background Data Summary: Mean=54.87, Std. Dev.=46.38, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9066, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

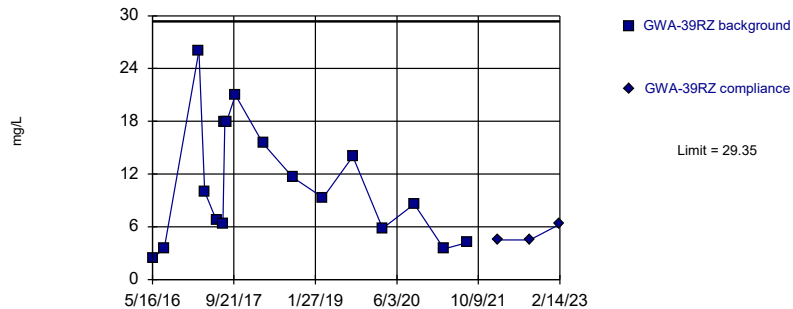
Exceeds Limit Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

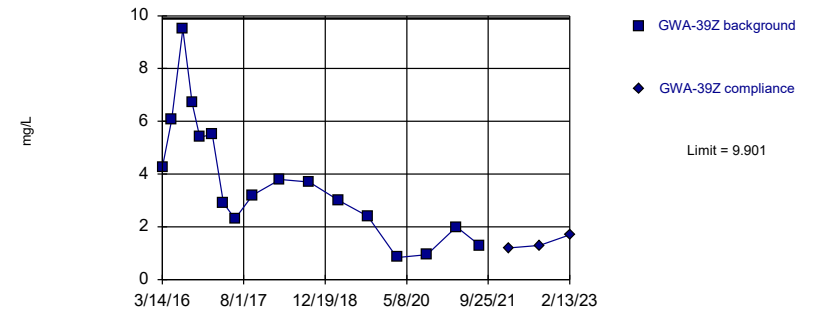
Within Limit Prediction Limit Intrawell Parametric



Background Data Summary: Mean=10.86, Std. Dev.=6.891, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9298, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit Prediction Limit Intrawell Parametric

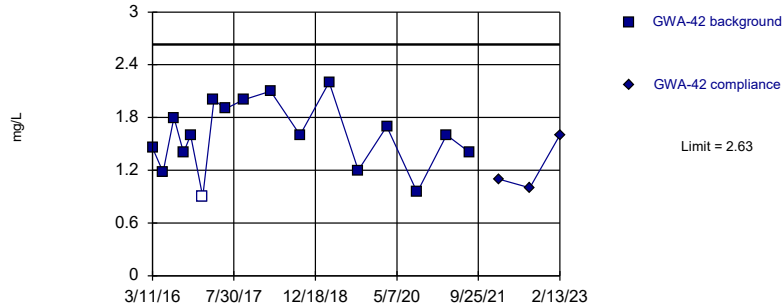


Background Data Summary: Mean=3.753, Std. Dev.=2.291, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

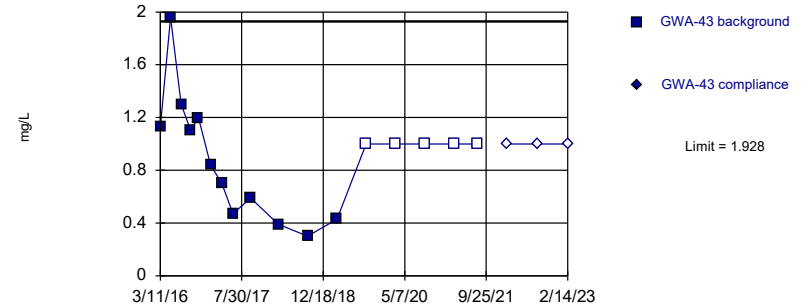


Background Data Summary: Mean=1.587, Std. Dev.=0.3887, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9657, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

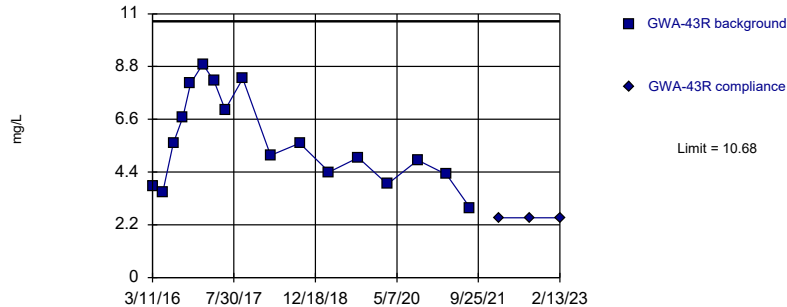


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7687, Std. Dev.=0.432, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9216, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

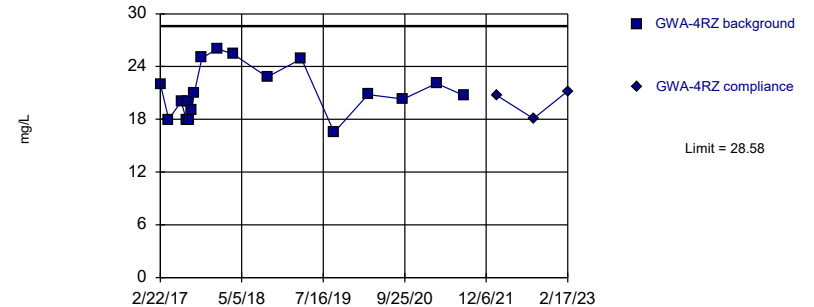


Background Data Summary: Mean=5.664, Std. Dev.=1.871, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9299, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

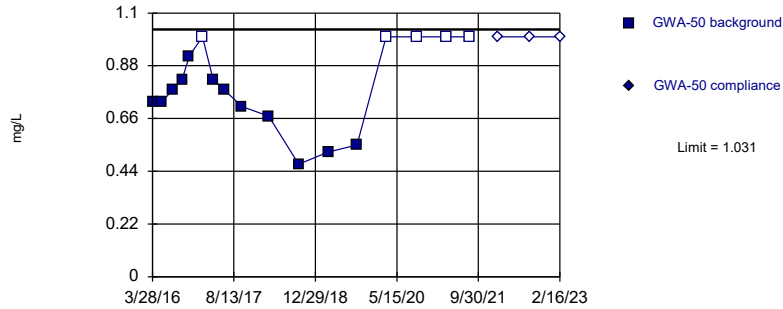


Background Data Summary: Mean=21.14, Std. Dev.=2.813, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

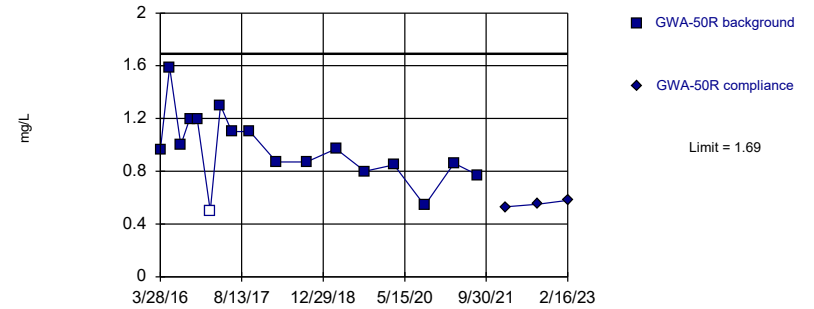


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.6803, Std. Dev.=0.1308, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9073, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

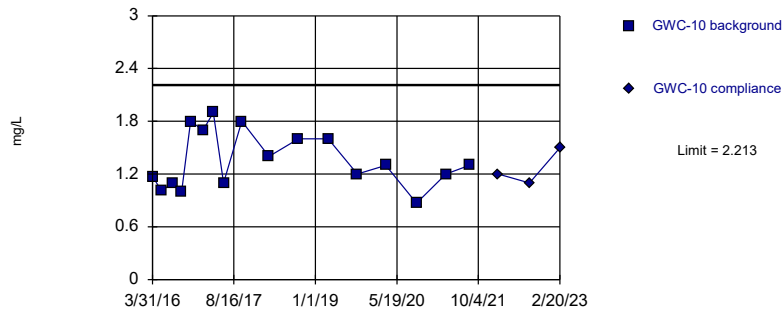


Background Data Summary: Mean=0.9694, Std. Dev.=0.2687, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9667, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

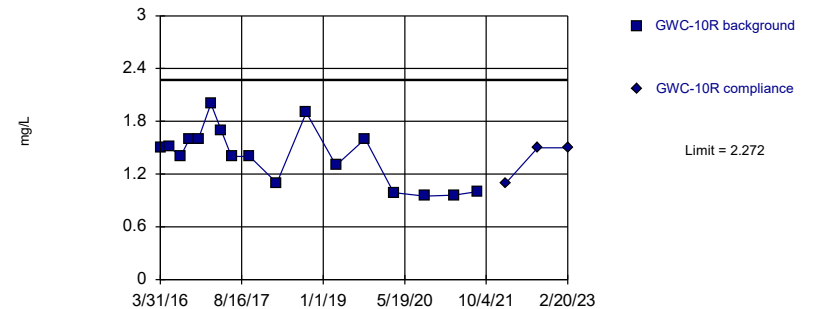


Background Data Summary: Mean=1.356, Std. Dev.=0.3195, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9348, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

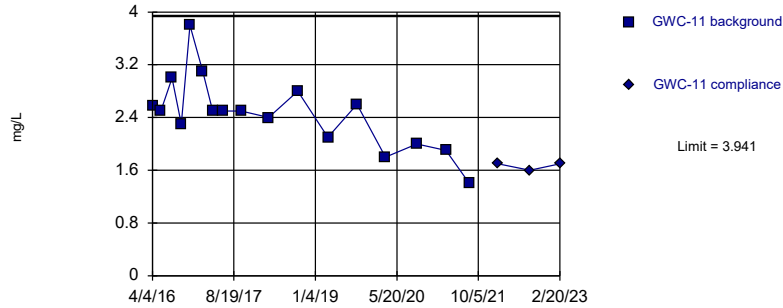


Background Data Summary: Mean=1.406, Std. Dev.=0.3226, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.938, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

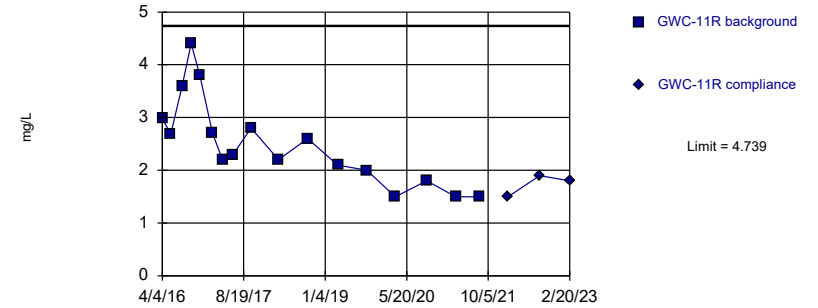


Background Data Summary: Mean=2.457, Std. Dev.=0.553, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9619, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

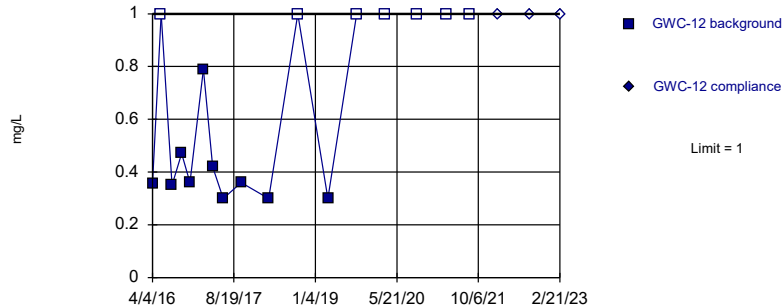


Background Data Summary: Mean=2.51, Std. Dev.=0.8307, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9281, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

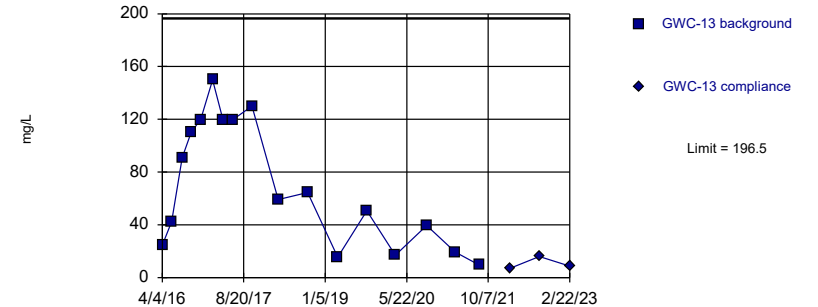


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

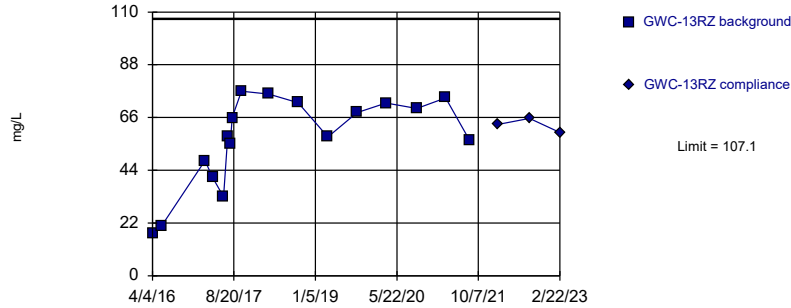


Background Data Summary: Mean=69.62, Std. Dev.=47.29, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9026, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

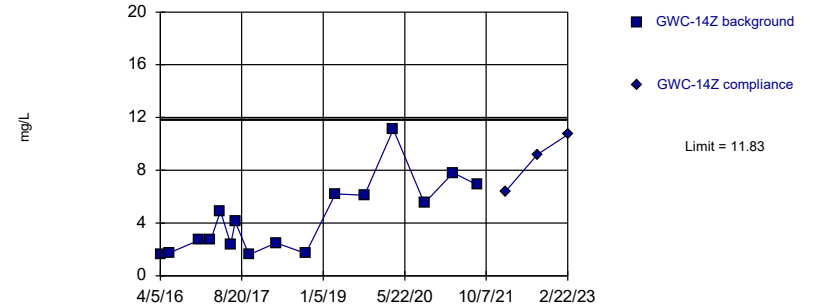


Background Data Summary: Mean=56.66, Std. Dev.=18.8, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8818, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

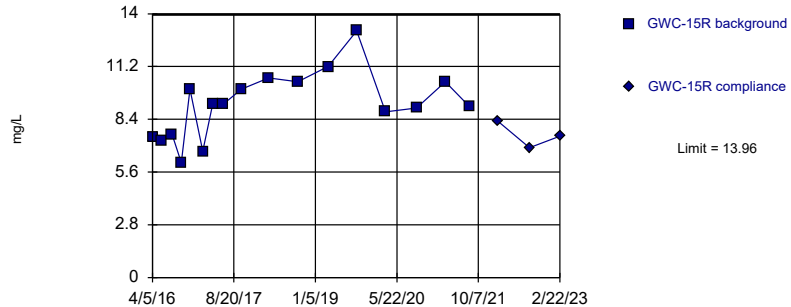


Background Data Summary: Mean=4.35, Std. Dev.=2.75, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8806, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

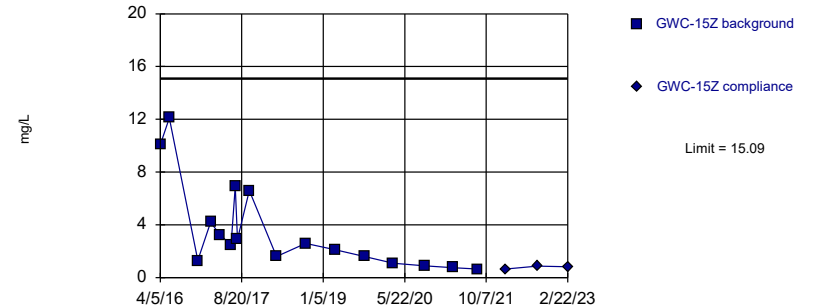


Background Data Summary: Mean=9.185, Std. Dev.=1.78, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9709, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

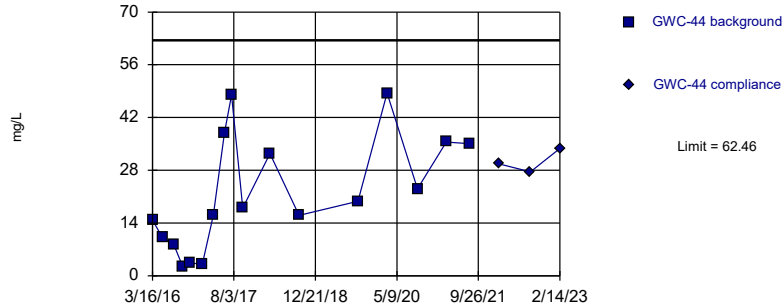


Background Data Summary (based on square root transformation): Mean=1.728, Std. Dev.=0.8034, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8978, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

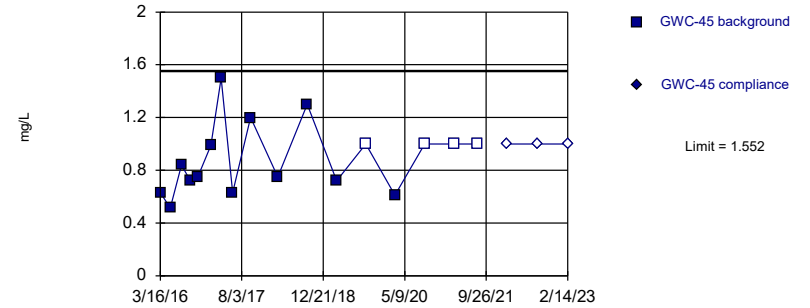


Background Data Summary: Mean=21.93, Std. Dev.=15.1, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9254, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

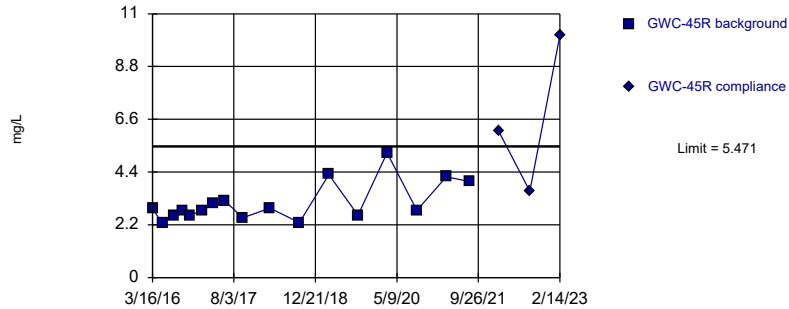


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.8033, Std. Dev.=0.2791, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.931, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

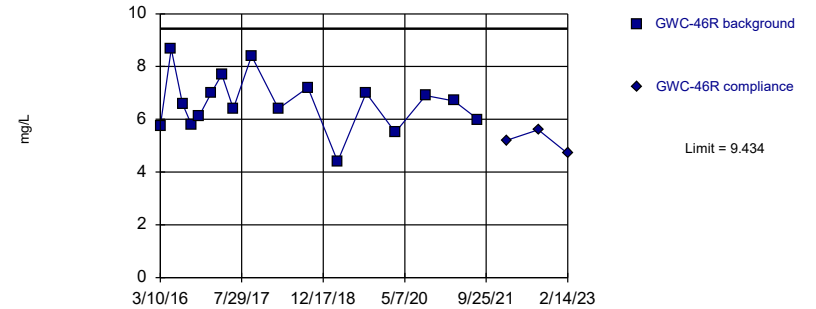


Background Data Summary (based on square root transformation): Mean=1.754, Std. Dev.=0.2182, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8594, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

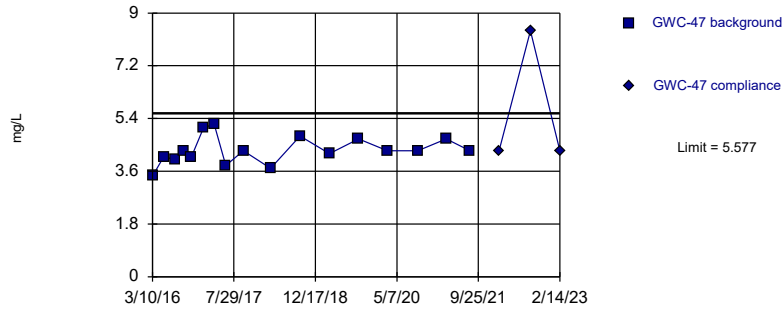


Background Data Summary: Mean=6.619, Std. Dev.=1.049, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9747, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

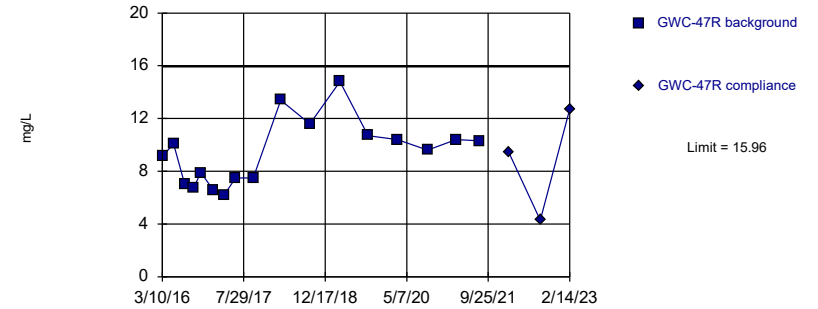


Background Data Summary: Mean=4.314, Std. Dev.=0.471, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9619, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

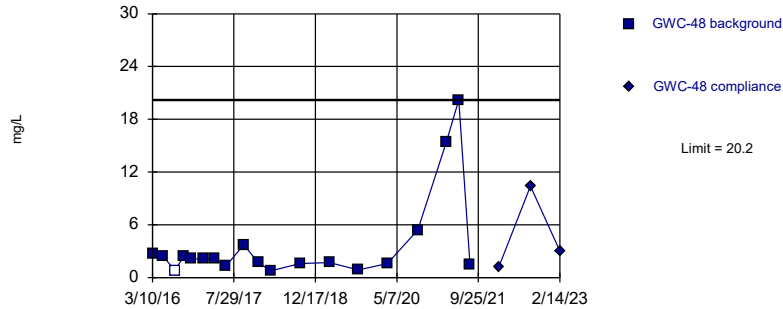


Background Data Summary: Mean=9.402, Std. Dev.=2.446, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9333, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

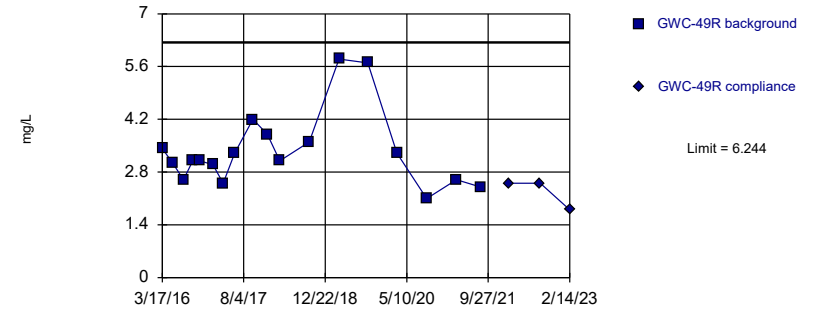


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 19 background values. 5.263% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

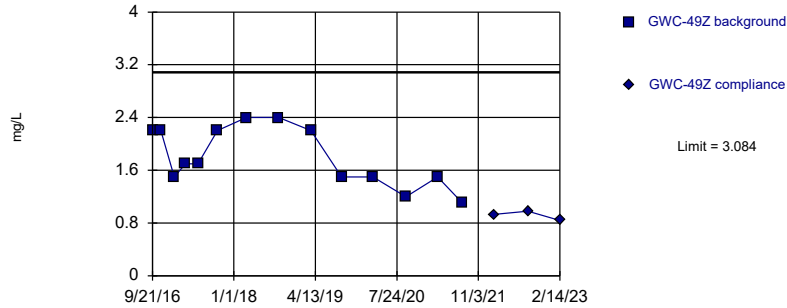


Background Data Summary (based on square root transformation): Mean=1.819, Std. Dev.=0.2569, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

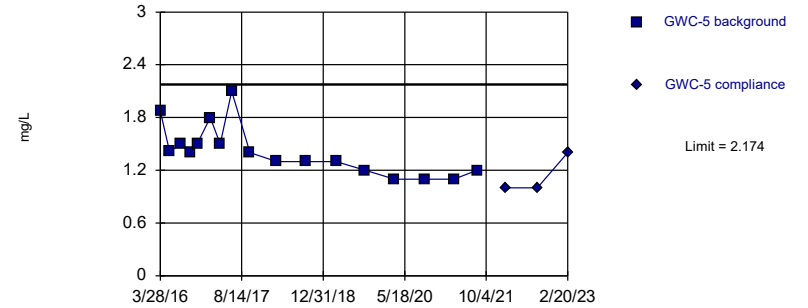


Background Data Summary: Mean=1.807, Std. Dev.=0.4463, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8886, critical = 0.825. Kappa = 2.86 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

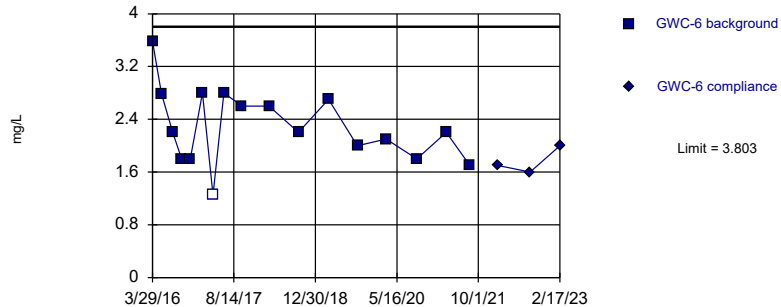


Background Data Summary: Mean=1.416, Std. Dev.=0.2824, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8898, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

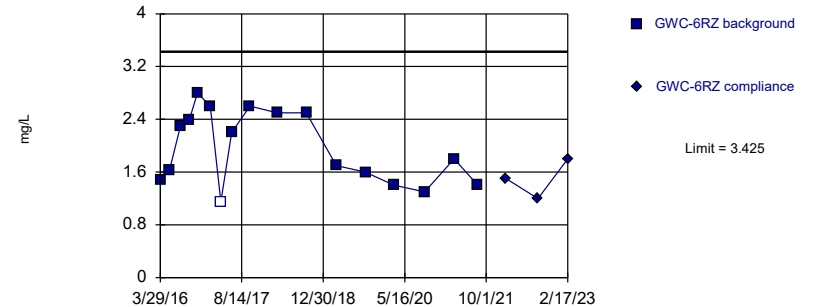


Background Data Summary: Mean=2.289, Std. Dev.=0.564, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9583, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

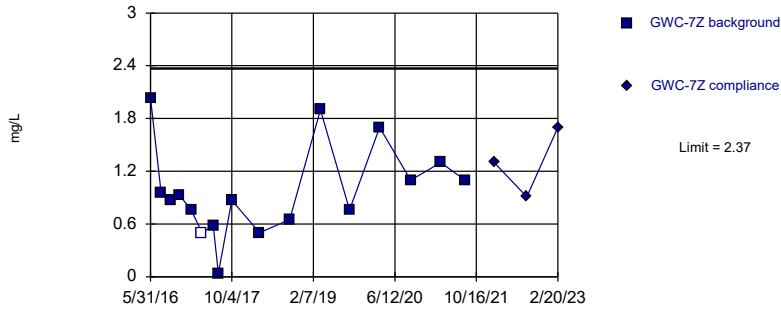


Background Data Summary: Mean=1.962, Std. Dev.=0.5452, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9088, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

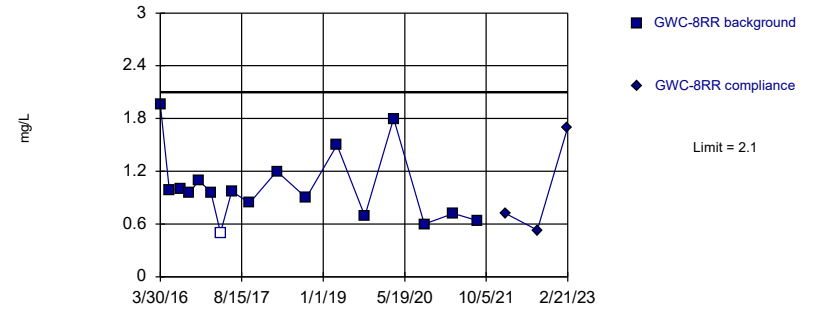


Background Data Summary: Mean=0.9735, Std. Dev.=0.5205, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9392, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

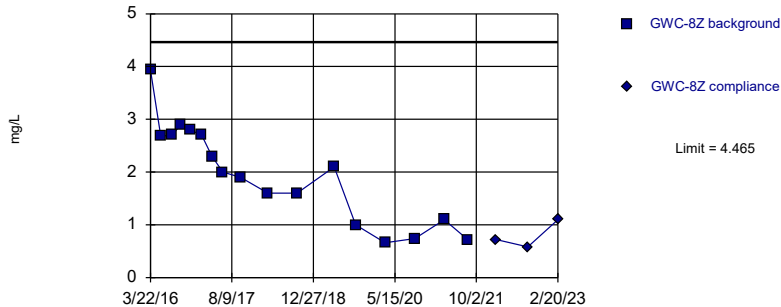


Background Data Summary: Mean=1.018, Std. Dev.=0.4031, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8863, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

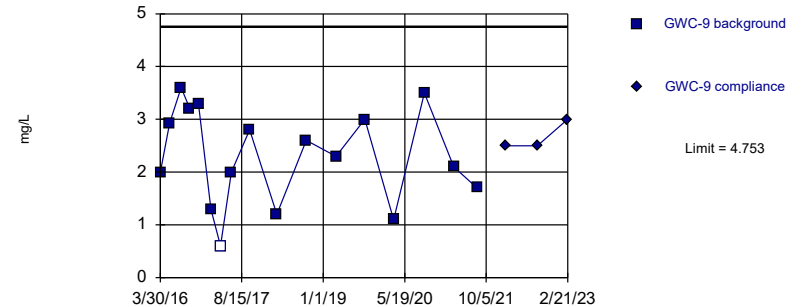


Background Data Summary: Mean=1.967, Std. Dev.=0.931, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9459, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

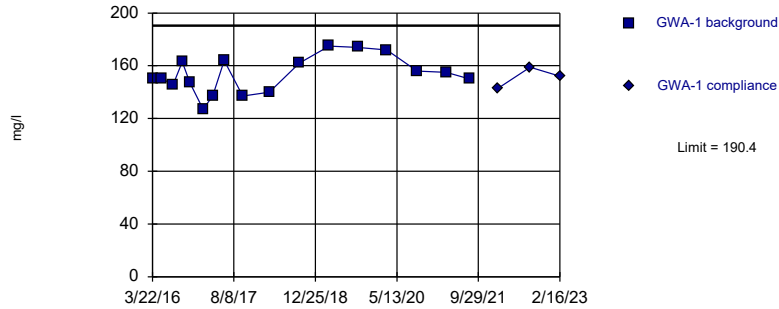


Background Data Summary: Mean=2.308, Std. Dev.=0.9112, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9562, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

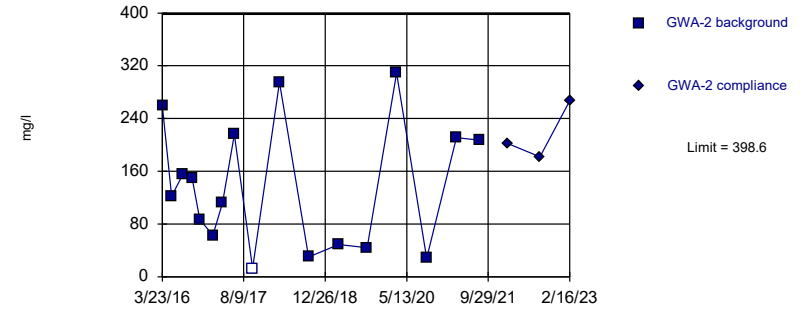


Background Data Summary: Mean=153.2, Std. Dev.=13.85, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9673, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

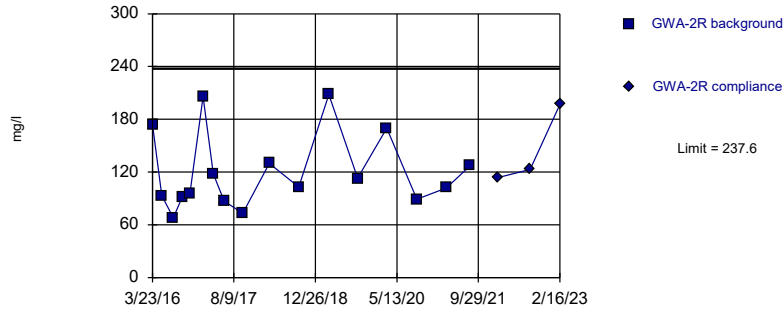


Background Data Summary: Mean=138.3, Std. Dev.=97.02, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9292, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

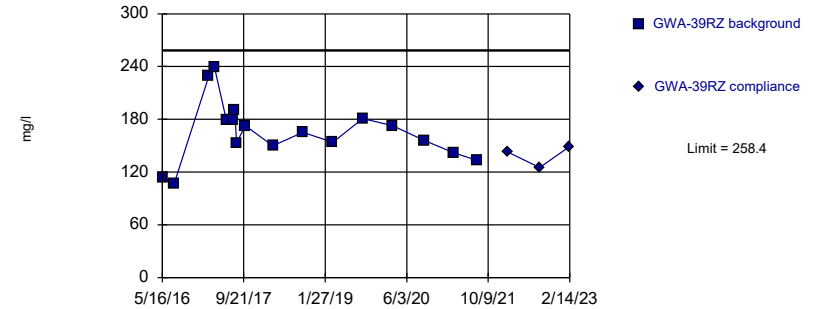


Background Data Summary: Mean=120.5, Std. Dev.=43.64, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8717, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

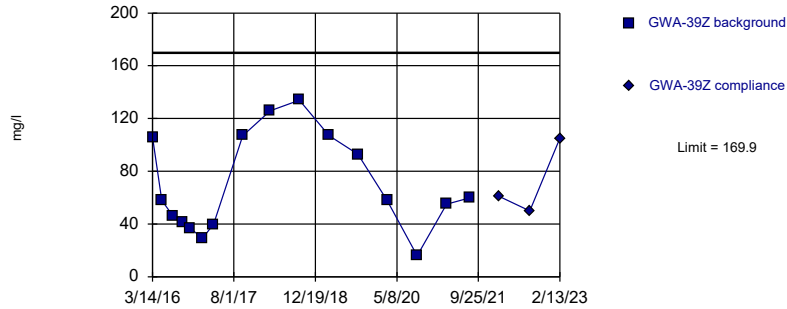


Background Data Summary: Mean=165.8, Std. Dev.=34.53, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9536, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

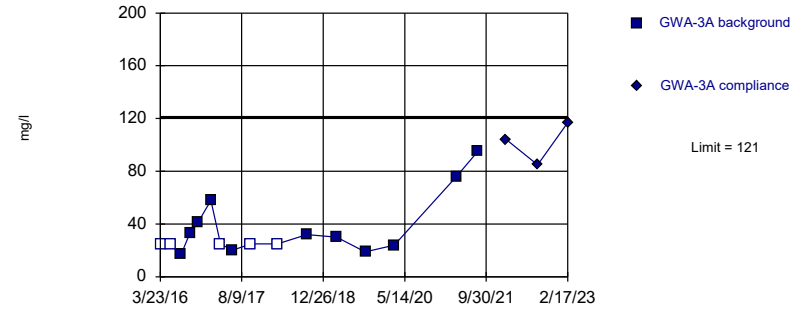


Background Data Summary: Mean=69.56, Std. Dev.=36.89, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

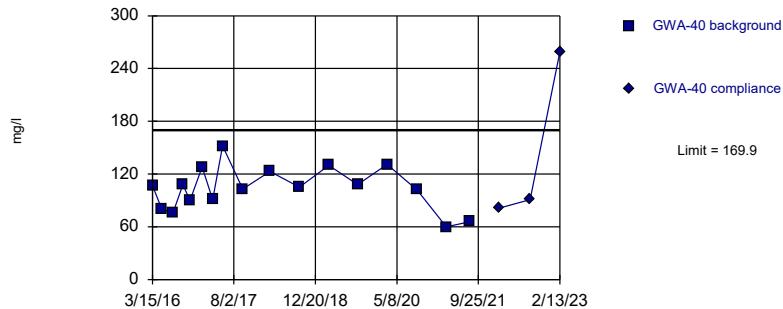


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=3.37, Std. Dev.=0.5244, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8686, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

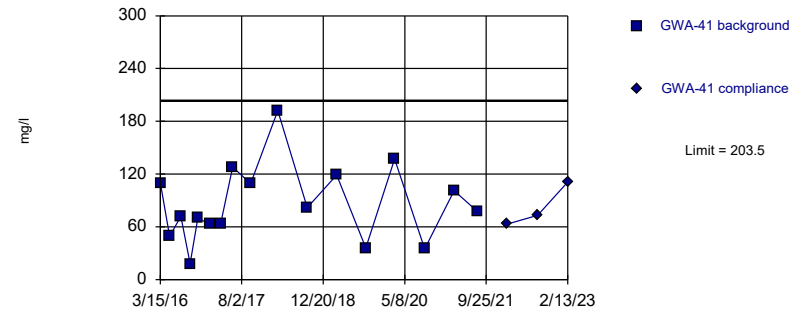


Background Data Summary: Mean=103.5, Std. Dev.=24.74, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9752, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

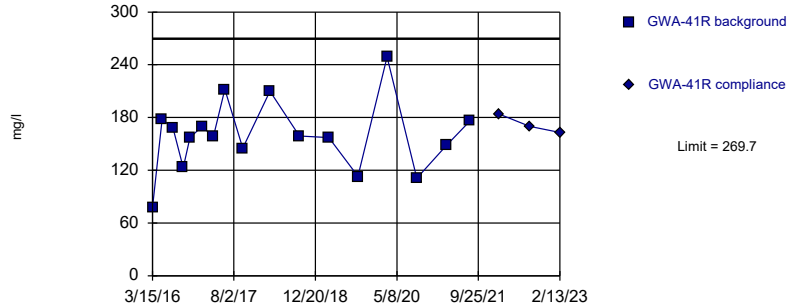


Background Data Summary: Mean=85.94, Std. Dev.=43.82, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

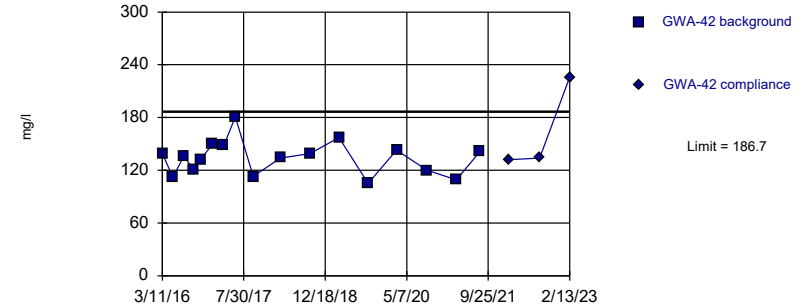


Background Data Summary: Mean=159.5, Std. Dev.=41.05, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9688, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

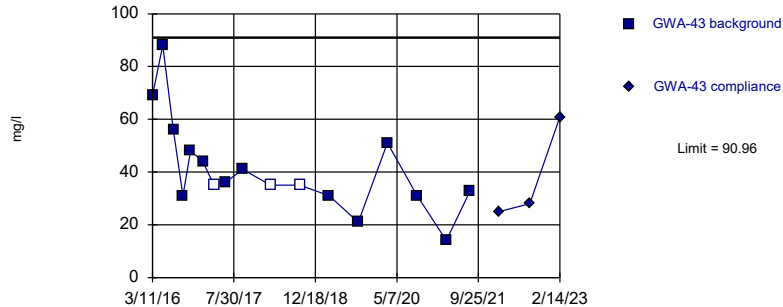


Background Data Summary: Mean=134.1, Std. Dev.=19.58, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9538, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

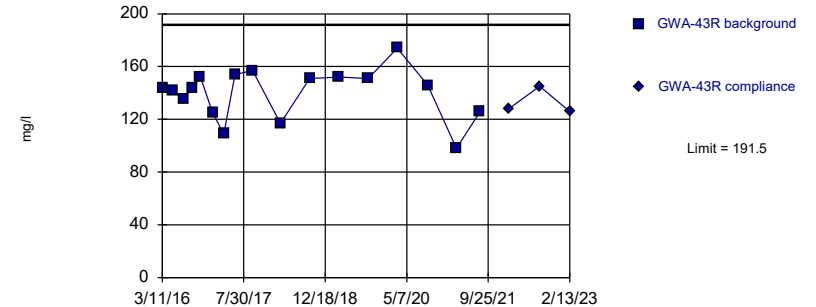


Background Data Summary (after Kaplan-Meier Adjustment): Mean=37.29, Std. Dev.=20, n=17, 17.65% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8997, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

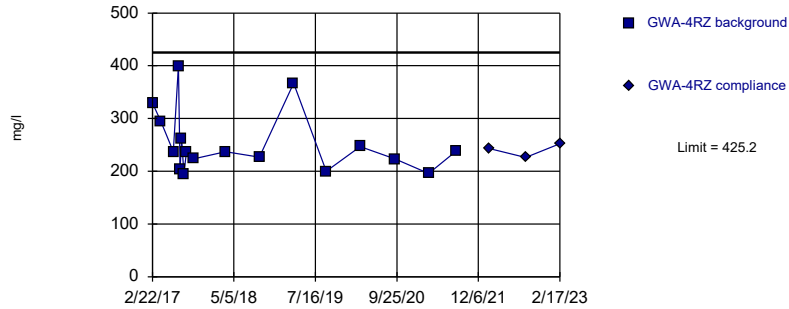


Background Data Summary: Mean=139.8, Std. Dev.=19.27, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9389, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

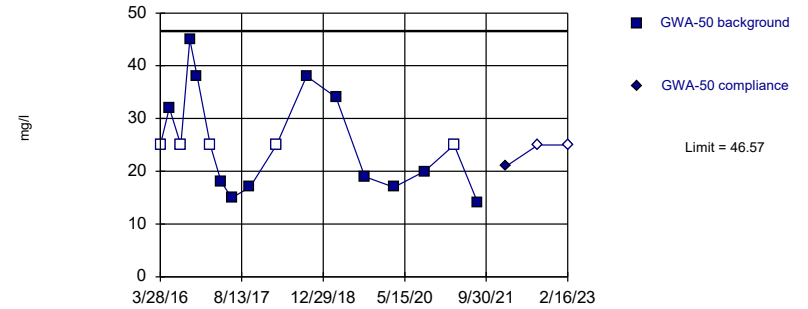


Background Data Summary (based on square root transformation): Mean=15.84, Std. Dev.=1.782, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8534, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

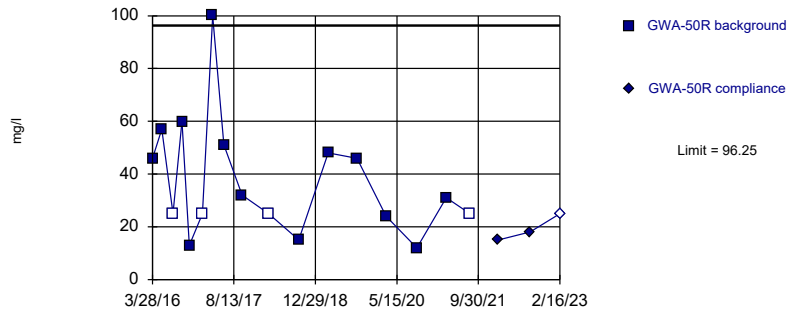


Background Data Summary (after Kaplan-Meier Adjustment): Mean=21.74, Std. Dev.=9.254, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

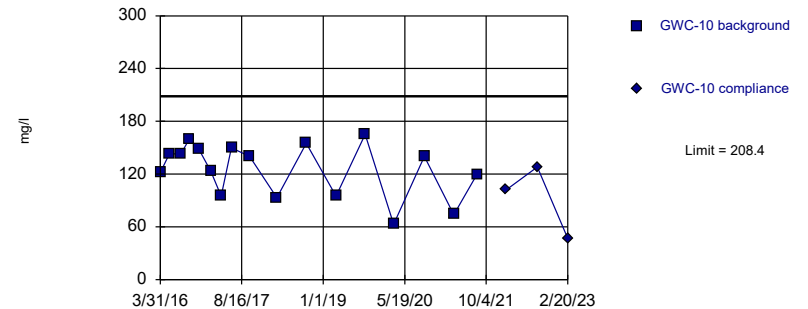


Background Data Summary (after Kaplan-Meier Adjustment): Mean=33.65, Std. Dev.=23.33, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8704, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

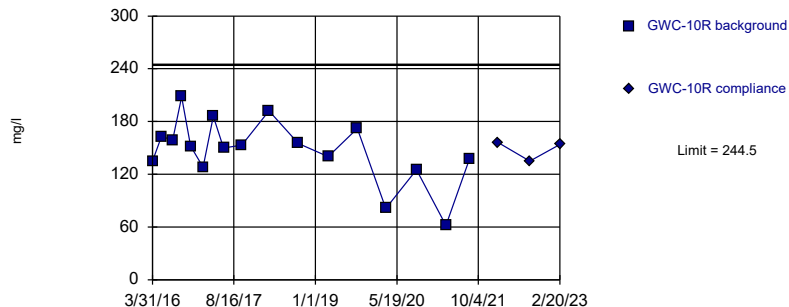
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=125.3, Std. Dev.=30.95, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9147, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

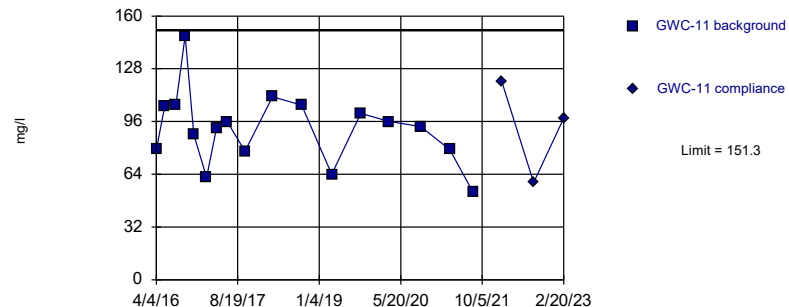
Within Limit Prediction Limit Intrawell Parametric



Background Data Summary: Mean=147, Std. Dev.=36.34, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9397, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

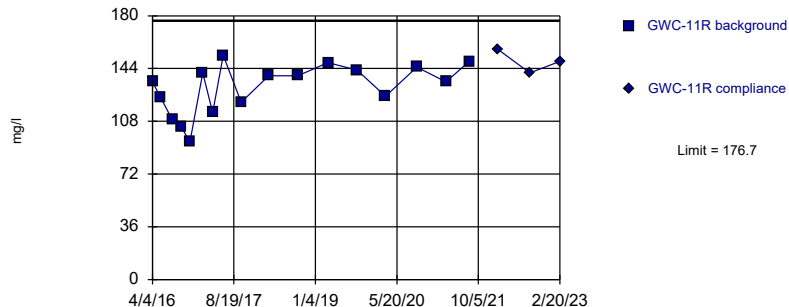
Within Limit Prediction Limit Intrawell Parametric



Background Data Summary: Mean=91.59, Std. Dev.=22.25, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9463, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

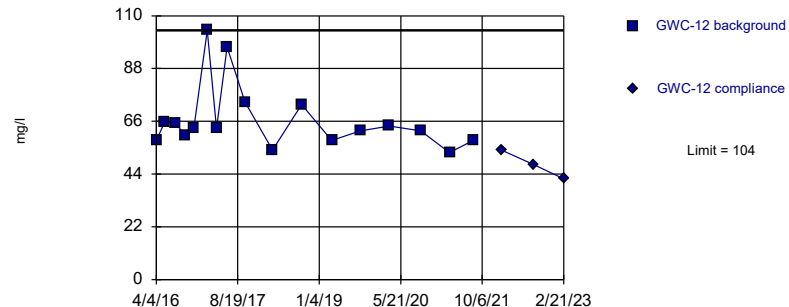
Within Limit Prediction Limit Intrawell Parametric



Background Data Summary: Mean=130.5, Std. Dev.=17.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9315, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit Prediction Limit Intrawell Non-parametric

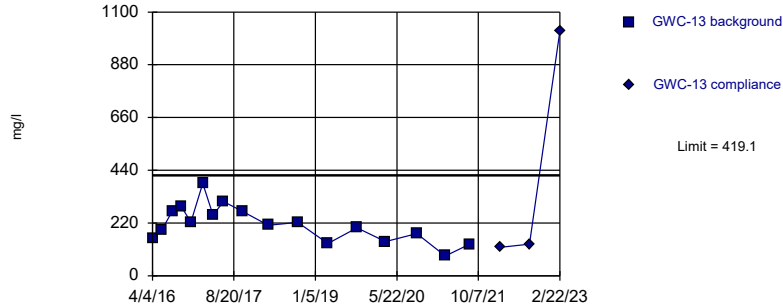


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

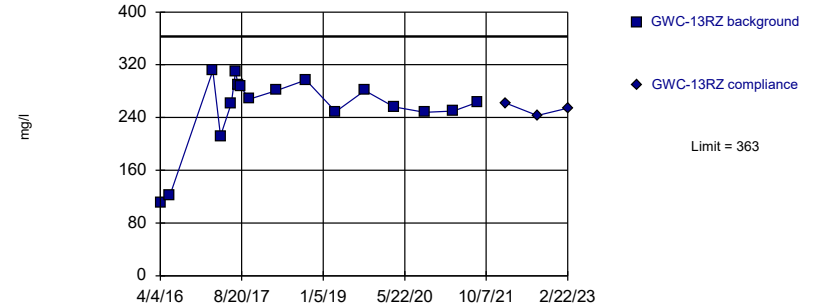


Background Data Summary: Mean=214.5, Std. Dev.=76.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.982, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

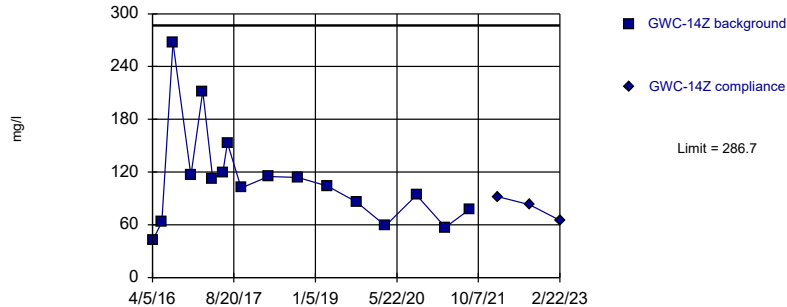


Background Data Summary (based on square transformation): Mean=66958, Std. Dev.=24165, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8702, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

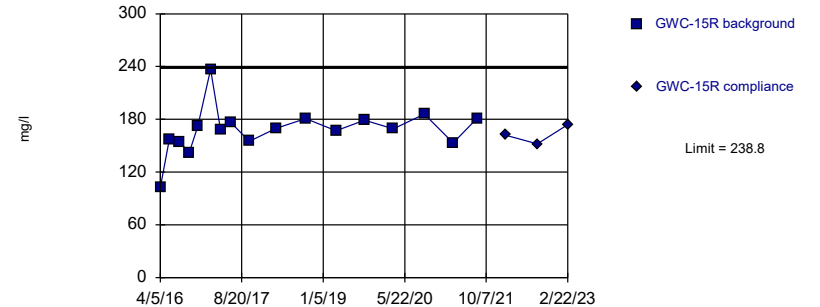


Background Data Summary (based on square root transformation): Mean=10.28, Std. Dev.=2.48, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric



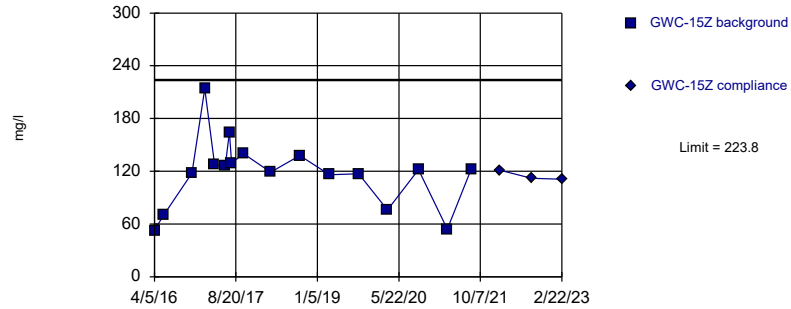
Background Data Summary: Mean=167.6, Std. Dev.=26.5, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8835, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



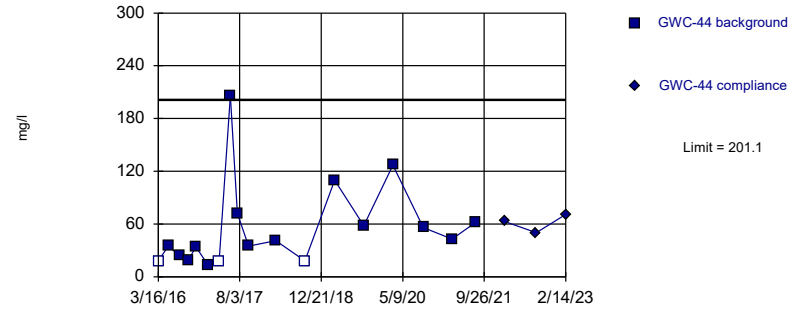
Background Data Summary: Mean=117.9, Std. Dev.=39.46, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9017, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



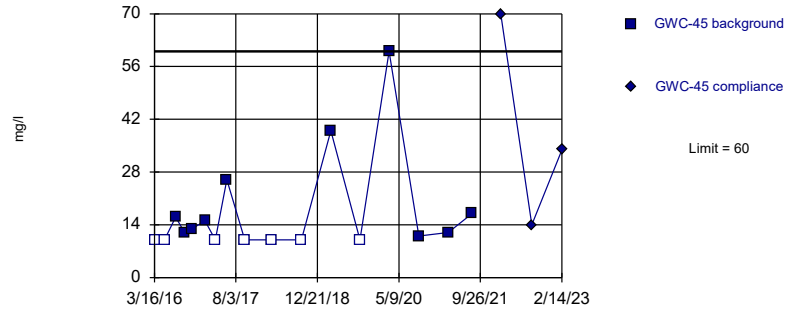
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=6.914, Std. Dev.=2.746, n=18, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8868, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric



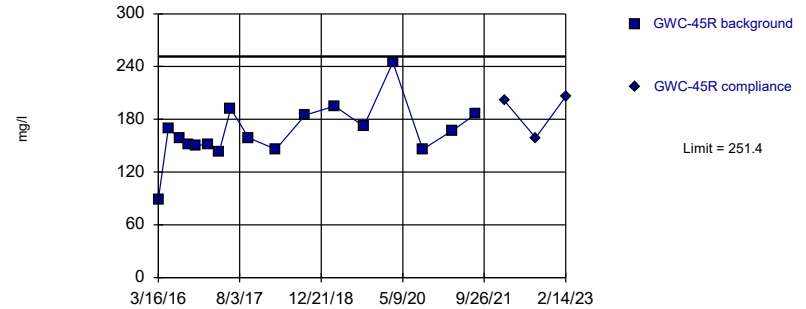
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



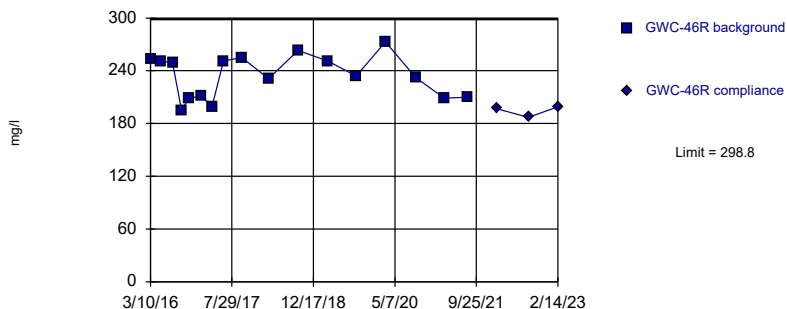
Background Data Summary: Mean=165.1, Std. Dev.=32.17, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9172, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



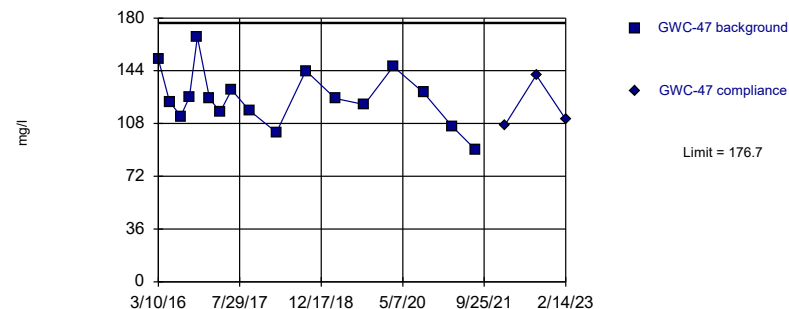
Background Data Summary: Mean=233.9, Std. Dev.=24.2, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9206, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



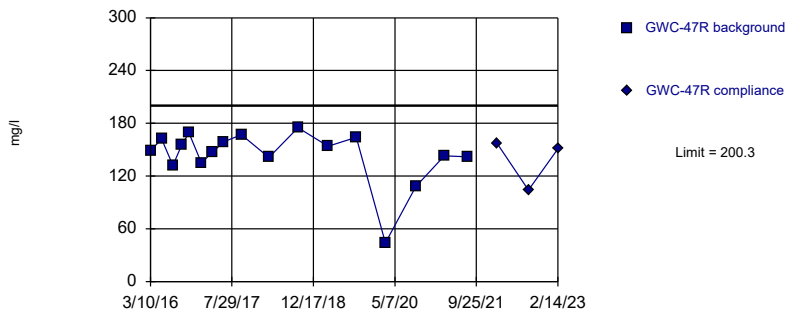
Background Data Summary: Mean=125.5, Std. Dev.=19.06, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9745, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=21576, Std. Dev.=6910, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8875, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

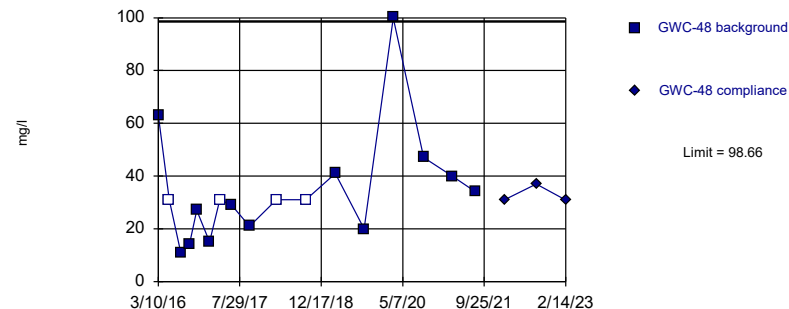
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric

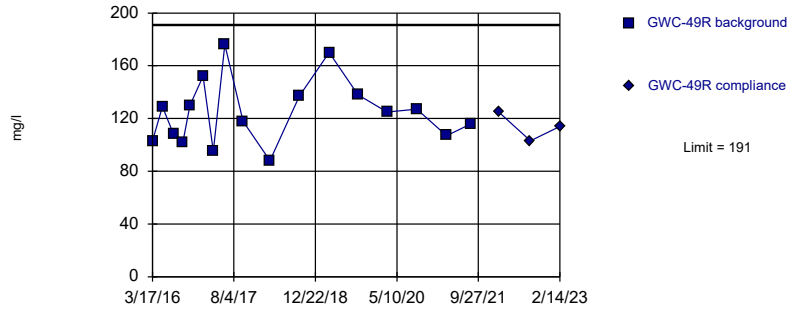


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=5.376, Std. Dev.=1.698, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9163, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

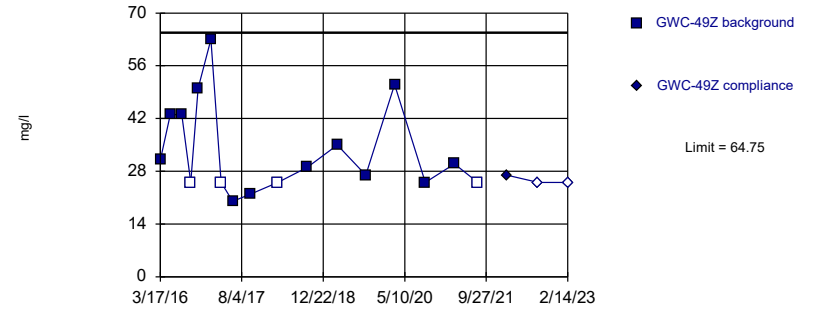


Background Data Summary: Mean=124.8, Std. Dev.=24.67, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9505, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

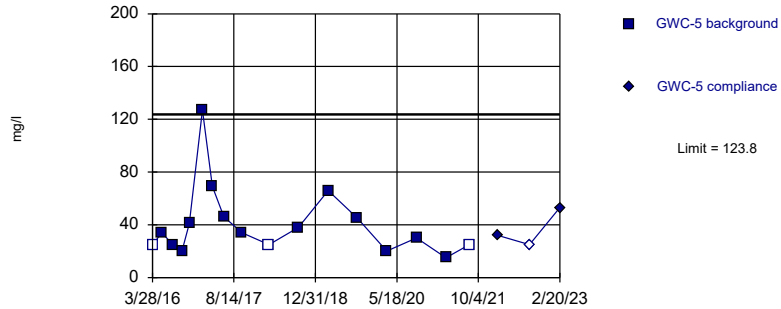


Background Data Summary (after Kaplan-Meier Adjustment): Mean=31.83, Std. Dev.=12.27, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8546, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

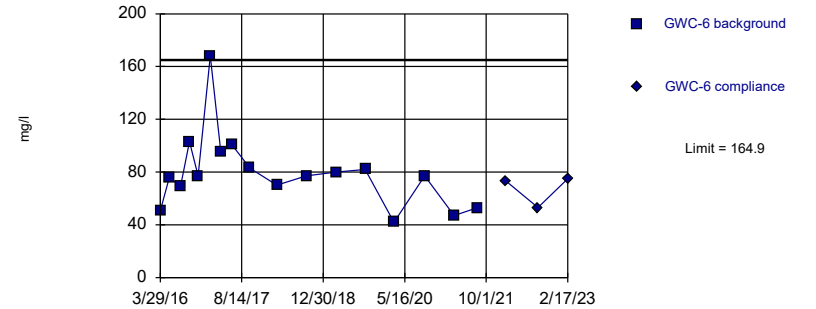


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=5.754, Std. Dev.=2.001, n=17, 17.65% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8654, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric



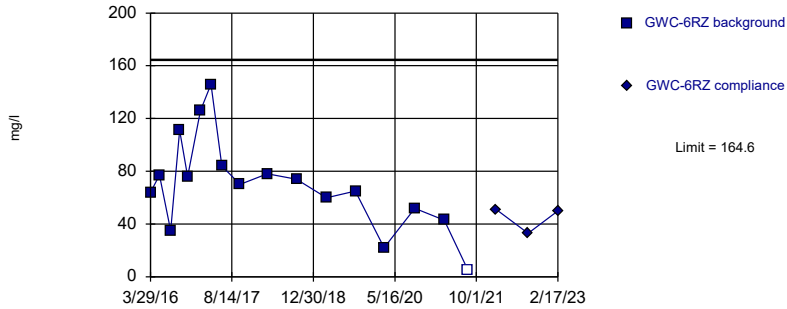
Background Data Summary (based on square root transformation): Mean=8.794, Std. Dev.=1.509, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9048, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



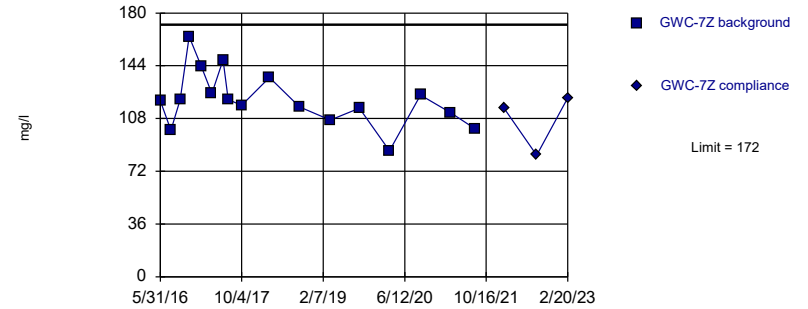
Background Data Summary: Mean=69.88, Std. Dev.=35.29, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.964, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



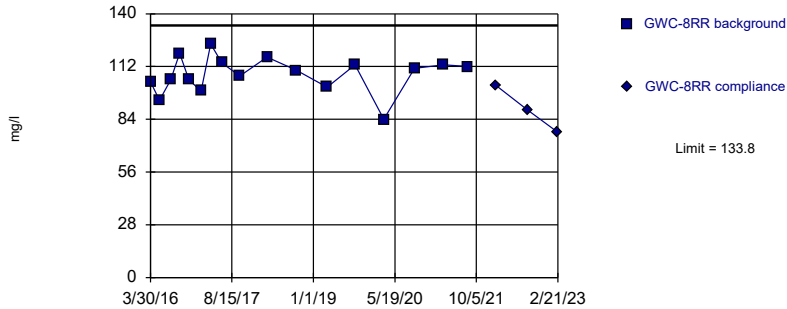
Background Data Summary: Mean=121, Std. Dev.=19, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.964, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



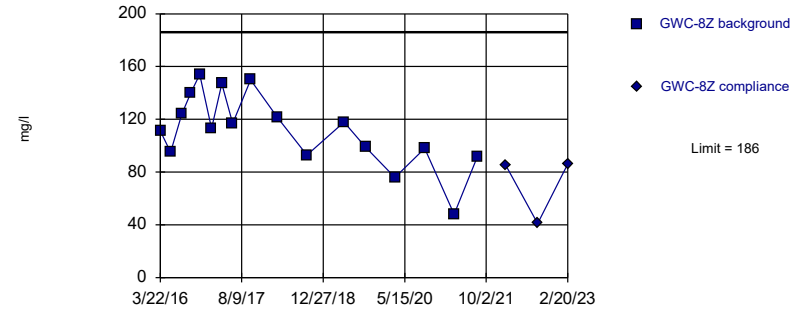
Background Data Summary: Mean=107.8, Std. Dev.=9.712, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.963, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



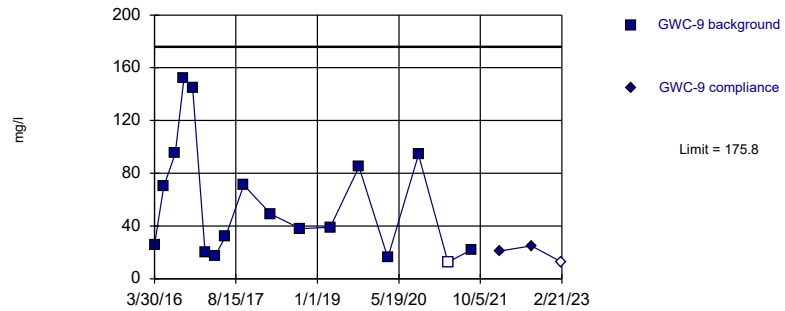
Background Data Summary: Mean=111.5, Std. Dev.=27.74, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.961, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=57.85, Std. Dev.=43.95, n=17, 5.882% NDs. Normality test: Shapiro Wilk
@alpha = 0.01, calculated = 0.8679, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132).
Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	<0.04	
5/19/2016	<0.04	
7/29/2016	<0.04	
9/23/2016	<0.04	
11/9/2016	<0.04	
1/30/2017	<0.04	
3/30/2017	0.0065 (J)	
6/9/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	<0.04	
9/17/2018	0.00625 (JD)	
3/20/2019	0.0042 (J)	
9/12/2019	<0.04	
3/11/2020	<0.04	
9/15/2020	0.01 (J)	
3/16/2021	<0.04	
8/9/2021	<0.04	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	<0.04	
5/20/2016	<0.04	
7/29/2016	<0.04	
9/23/2016	<0.04	
11/9/2016	<0.04	
1/31/2017	<0.04	
3/30/2017	<0.04	
6/12/2017	<0.04	
10/2/2017	<0.04	
3/19/2018	0.013 (J)	
9/14/2018	<0.04	
3/20/2019	<0.04	
9/12/2019	<0.04 (D)	
3/11/2020	0.0068 (J)	
9/15/2020	0.0053 (J)	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	<0.04	
5/19/2016	<0.04	
7/29/2016	<0.04	
9/22/2016	<0.04	
11/10/2016	<0.04	
1/31/2017	<0.04	
4/3/2017	<0.04	
6/9/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	0.0077 (J)	
9/14/2018	<0.04	
3/19/2019	0.014 (J)	
9/13/2019	0.012 (J)	
3/11/2020	0.017 (J)	
9/15/2020	0.0074 (J)	
3/16/2021	0.0061 (J)	
8/9/2021	0.012 (J)	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		0.017 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.04 (D)	
7/27/2016	<0.04 (*)	
2/21/2017	0.0218 (JD)	
3/27/2017	0.0262 (JD)	
6/8/2017	0.0067 (JD)	
7/17/2017	0.0165 (JD)	
7/27/2017	0.0138 (JD)	
8/9/2017	0.0069 (JD)	
9/29/2017	0.0066 (JD)	
3/16/2018	0.0067 (J)	
9/14/2018	0.0059 (J)	
3/14/2019	0.0059 (X)	
9/10/2019	0.0081 (X)	
3/9/2020	0.0065 (J)	
9/16/2020	0.015 (J)	
3/16/2021	<0.04	
8/6/2021	<0.04	
2/2/2022		<0.04
8/16/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.04	
5/11/2016	<0.04	
7/19/2016	<0.04 (*)	
9/15/2016	0.0067 (J)	
11/2/2016	<0.04	
1/18/2017	<0.04	
3/28/2017	<0.04	
6/7/2017	<0.04 (*)	
9/26/2017	<0.04	
3/14/2018	<0.04	
9/12/2018	<0.04	
3/15/2019	0.005 (X)	
9/9/2019	<0.04	
3/9/2020	<0.04	
9/10/2020	<0.04	
3/12/2021	0.011 (J)	
8/4/2021	<0.04	
1/31/2022		<0.04
8/10/2022		<0.04
2/13/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	<0.04	
5/23/2016	<0.04	
7/29/2016	<0.04	
9/22/2016	<0.04	
11/10/2016	<0.04	
1/31/2017	<0.04	
3/30/2017	<0.04	
6/12/2017	<0.04	
10/4/2017	<0.04	
3/19/2018	0.0057 (J)	
9/17/2018	<0.04	
3/20/2019	<0.04	
9/13/2019	<0.04	
3/11/2020	0.0071 (J)	
3/29/2021	<0.04	
8/9/2021	<0.04	
2/2/2022		<0.04
8/16/2022		<0.04
2/17/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.04	
5/11/2016	<0.04	
7/21/2016	<0.04	
9/15/2016	<0.04	
11/3/2016	<0.04 (*)	
1/17/2017	<0.04	
3/24/2017	<0.04	
5/24/2017	<0.04	
9/26/2017	0.0075 (J)	
3/14/2018	0.0093 (J)	
9/12/2018	<0.04	
3/13/2019	<0.04	
9/9/2019	<0.04	
3/9/2020	0.0074 (J)	
9/11/2020	<0.04	
3/10/2021	<0.04	
8/4/2021	<0.04	
1/31/2022		<0.04
8/12/2022		<0.04
2/13/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.04	
5/12/2016	<0.04	
7/20/2016	<0.04	
9/15/2016	<0.04	
11/3/2016	<0.04	
1/18/2017	<0.04	
3/24/2017	0.0154 (J)	
6/6/2017	<0.04	
9/25/2017	<0.04	
3/14/2018	0.011 (J)	
9/12/2018	<0.04	
3/14/2019	0.007 (X)	
9/10/2019	<0.04	
3/6/2020	0.013 (J)	
9/10/2020	<0.04	
3/11/2021	0.0075 (J)	
8/4/2021	<0.04	
1/31/2022		<0.04
8/11/2022		<0.04
2/13/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.04	
5/13/2016	<0.04	
7/21/2016	<0.04 (*)	
9/21/2016	<0.04 (*)	
11/3/2016	<0.04	
1/17/2017	<0.04	
3/27/2017	0.0173 (J)	
6/6/2017	<0.04 (*)	
9/25/2017	0.0141 (J)	
3/14/2018	0.014 (J)	
9/12/2018	0.013 (J)	
3/14/2019	0.015 (X)	
9/10/2019	0.015 (X)	
3/9/2020	0.021 (J)	
9/10/2020	0.016 (J)	
3/10/2021	0.0098 (J)	
8/4/2021	0.01 (J)	
1/31/2022		0.016 (J)
8/11/2022		<0.04
2/13/2023		0.017 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.04	
5/16/2016	<0.04	
7/22/2016	0.0076 (J)	
9/19/2016	<0.04	
11/3/2016	<0.04	
1/17/2017	<0.04	
3/27/2017	0.0101 (J)	
6/7/2017	<0.04 (*)	
9/26/2017	<0.04	
3/14/2018	<0.04	
9/14/2018	<0.04	
3/14/2019	<0.04	
9/10/2019	<0.04	
3/6/2020	0.0068 (J)	
9/10/2020	<0.04	
3/11/2021	<0.04	
8/4/2021	<0.04	
1/31/2022		<0.04
8/10/2022		<0.04
2/13/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.04	
5/13/2016	<0.04	
7/19/2016	<0.04 (*)	
9/16/2016	<0.04	
11/2/2016	<0.04	
1/18/2017	<0.04	
3/28/2017	<0.04	
6/6/2017	<0.04 (*)	
9/22/2017	<0.04	
3/14/2018	<0.04	
9/12/2018	<0.04	
3/13/2019	<0.04	
9/11/2019	0.0059 (X)	
3/9/2020	<0.04	
9/11/2020	<0.04	
3/11/2021	<0.04	
8/6/2021	<0.04	
1/31/2022		<0.04
8/11/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.04	
5/13/2016	<0.04	
7/19/2016	<0.04 (*)	
9/16/2016	0.0246 (J)	
11/2/2016	0.0279 (J)	
1/18/2017	0.0336 (J)	
3/28/2017	0.0313 (J)	
6/6/2017	<0.04 (*)	
9/22/2017	0.0294 (J)	
3/15/2018	0.018 (J)	
9/12/2018	0.018 (J)	
3/13/2019	0.012 (X)	
9/11/2019	0.021 (X)	
3/9/2020	0.017 (J)	
9/14/2020	0.018 (J)	
3/11/2021	0.017 (J)	
8/5/2021	0.0098 (J)	
1/31/2022		0.011 (J)
8/10/2022		0.01 (J)
2/13/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.022 (JD)	
4/7/2017	0.0082 (JD)	
6/14/2017	0.008 (JD)	
7/12/2017	0.0082 (JD)	
7/20/2017	0.0091 (JD)	
7/28/2017	<0.04 (D)	
8/9/2017	0.0071 (JD)	
8/24/2017	0.0062 (JD)	
10/3/2017	0.006 (JD)	
3/21/2018	0.0062 (J)	
9/18/2018	0.0096 (J)	
3/21/2019	0.0066 (JD)	
9/12/2019	0.012 (JD)	
3/12/2020	0.014 (J)	
9/17/2020	0.015 (J)	
3/16/2021	0.0092 (J)	
8/10/2021	0.01 (J)	
2/3/2022		<0.04
8/17/2022		<0.04
2/17/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	<0.04	
5/23/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/10/2016	<0.04	
1/30/2017	<0.04	
4/7/2017	0.008 (J)	
6/12/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	<0.04	
9/17/2018	<0.04	
3/19/2019	<0.04	
9/13/2019	<0.04	
3/11/2020	0.0063 (J)	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	<0.04	
5/25/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/11/2016	0.0193 (J)	
1/30/2017	<0.04	
4/3/2017	<0.04	
6/12/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	<0.04	
9/18/2018	<0.04	
3/19/2019	<0.04	
9/12/2019	<0.04	
3/11/2020	0.007 (J)	
9/15/2020	<0.04	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/16/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	<0.04	
5/26/2016	<0.04	
8/5/2016	<0.04	
9/28/2016	<0.04	
11/22/2016	<0.04	
2/7/2017	<0.04	
4/10/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/20/2018	0.004 (J)	
9/18/2018	<0.04	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	<0.04	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/10/2021	<0.04	
2/4/2022		<0.04
8/17/2022		<0.04
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	<0.04	
5/26/2016	<0.04	
8/3/2016	<0.04	
9/28/2016	0.0169 (J)	
11/22/2016	0.0067 (J)	
2/7/2017	<0.04	
4/10/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/21/2018	<0.04	
9/18/2018	<0.04	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	0.005 (J)	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	<0.04	
5/26/2016	<0.04	
8/3/2016	<0.04	
9/28/2016	<0.04	
11/22/2016	<0.04	
2/8/2017	0.0085 (J)	
4/10/2017	<0.04	
6/15/2017	<0.04	
10/4/2017	<0.04	
3/21/2018	<0.04	
9/18/2018	<0.04	
3/23/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	<0.04	
9/21/2020	<0.04	
3/19/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	<0.04	
5/26/2016	<0.04	
8/4/2016	<0.04	
9/28/2016	<0.04	
11/22/2016	0.0072 (J)	
2/8/2017	0.0069 (J)	
4/10/2017	<0.04	
6/15/2017	<0.04	
10/4/2017	0.0065 (J)	
3/22/2018	<0.04	
9/18/2018	<0.04	
3/23/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	0.0058 (J)	
9/21/2020	<0.04	
3/19/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	<0.04	
5/27/2016	<0.04	
8/3/2016	<0.04	
9/30/2016	<0.04	
11/22/2016	<0.04	
2/13/2017	<0.04	
4/11/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/22/2018	<0.04	
9/18/2018	<0.04	
3/23/2019	<0.04	
9/17/2019	<0.04 (D)	
3/12/2020	<0.04	
9/21/2020	<0.04	
3/19/2021	<0.04	
8/11/2021	<0.04	
2/2/2022		<0.04
8/18/2022		<0.04
2/21/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	<0.04	
5/31/2016	<0.04	
8/4/2016	<0.04	
9/29/2016	0.0192 (J)	
11/28/2016	0.0124 (J)	
2/9/2017	0.0157 (J)	
4/12/2017	0.0183 (J)	
6/16/2017	0.0269 (J)	
10/9/2017	0.0383 (J)	
3/21/2018	0.021 (J)	
9/19/2018	0.026 (J)	
3/23/2019	0.012 (J)	
9/18/2019	0.017 (J)	
3/13/2020	0.014 (J)	
9/22/2020	0.0087 (J)	
3/18/2021	0.0091 (J)	
8/11/2021	<0.04	
2/17/2022		0.015 (J)
8/18/2022		<0.04
2/22/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	<0.04	
6/1/2016	<0.04	
2/22/2017	0.02 (J)	
4/11/2017	<0.04	
6/16/2017	0.0163 (J)	
7/12/2017	0.0117 (J)	
7/28/2017	0.0071 (J)	
8/10/2017	0.0093 (J)	
10/6/2017	0.0148 (J)	
3/23/2018	0.017 (J)	
9/20/2018	0.016 (J)	
3/22/2019	0.013 (J)	
9/18/2019	0.014 (X)	
3/17/2020	0.017 (J)	
9/22/2020	0.01 (J)	
3/19/2021	0.014 (J)	
8/12/2021	0.014 (J)	
2/4/2022		0.017 (J)
8/19/2022		0.015 (J)
2/22/2023		0.013 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	<0.04	
6/1/2016	<0.04	
8/9/2016	0.0996 (O)	
11/28/2016	0.0072 (J)	
2/9/2017	<0.04	
4/11/2017	<0.04	
6/14/2017	<0.04	
7/12/2017	<0.04	
10/5/2017	0.0068 (J)	
3/22/2018	<0.04	
9/19/2018	<0.04	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/13/2020	0.0081 (J)	
9/21/2020	<0.04	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/22/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	<0.04	
5/31/2016	<0.04	
8/4/2016	<0.04	
9/29/2016	0.0106 (J)	
11/23/2016	0.0099 (J)	
2/10/2017	<0.04	
4/12/2017	0.009 (J)	
6/15/2017	<0.04	
10/6/2017	<0.04	
3/23/2018	0.0053 (J)	
9/19/2018	0.0049 (J)	
3/25/2019	<0.04	
9/17/2019	<0.04	
3/13/2020	0.0064 (J)	
9/21/2020	0.0075 (J)	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/19/2022		<0.04
2/22/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	<0.04	
5/31/2016	<0.04	
11/23/2016	0.0076 (J)	
2/10/2017	<0.04	
4/11/2017	<0.04	
6/15/2017	<0.04	
7/12/2017	<0.04	
7/26/2017	<0.04	
10/6/2017	0.0071 (J)	
3/23/2018	0.0092 (J)	
9/19/2018	0.0046 (J)	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/13/2020	0.0054 (J)	
9/21/2020	<0.04	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/7/2022		<0.04
8/19/2022		<0.04
2/22/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.04	
5/16/2016	<0.04	
7/25/2016	<0.04	
9/19/2016	<0.04	
11/3/2016	<0.04	
1/19/2017	<0.04	
3/28/2017	0.0113 (J)	
6/5/2017	<0.04 (*)	
9/26/2017	0.0084 (J)	
3/15/2018	0.014 (J)	
9/12/2018	0.0051 (J)	
3/14/2019	0.018 (X)	
9/11/2019	0.0088 (X)	
3/10/2020	0.019 (J)	
9/15/2020	0.0089 (J)	
3/11/2021	0.016 (J)	
8/4/2021	0.016 (J)	
1/31/2022		0.015 (J)
8/15/2022		0.011 (J)
2/14/2023		0.014 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.04	
5/16/2016	<0.04 (D)	
7/25/2016	<0.04 (D)	
9/19/2016	<0.04 (D)	
11/4/2016	<0.04 (D)	
1/23/2017	0.0086 (JD)	
3/29/2017	<0.04 (D)	
6/7/2017	<0.04 (*)	
9/27/2017	<0.04	
3/15/2018	0.0077 (J)	
9/13/2018	<0.04	
3/14/2019	<0.04 (D)	
9/11/2019	<0.04 (D)	
3/10/2020	<0.04	
9/11/2020	<0.04	
3/11/2021	<0.04	
8/6/2021	<0.04	
2/1/2022		0.019 (J)
8/12/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.04	
5/16/2016	<0.04 (D)	
7/25/2016	0.0054 (JD)	
9/19/2016	<0.04 (D)	
11/3/2016	<0.04 (D)	
1/20/2017	<0.04 (D)	
3/29/2017	<0.04 (D)	
6/7/2017	<0.04 (*)	
9/27/2017	<0.04	
3/15/2018	0.0063 (J)	
9/13/2018	<0.04	
3/14/2019	0.006 (JXD)	
9/11/2019	<0.04 (D)	
3/10/2020	0.009 (J)	
9/11/2020	0.0056 (J)	
3/11/2021	0.006 (J)	
8/6/2021	<0.04	
2/1/2022		0.022 (J)
8/12/2022		<0.04
2/14/2023		0.012 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.04	
5/17/2016	<0.04	
7/26/2016	0.0047 (J)	
9/20/2016	0.0254 (J)	
11/4/2016	<0.04	
1/20/2017	<0.04	
3/28/2017	<0.04	
6/7/2017	<0.04 (*)	
9/29/2017	<0.04	
3/15/2018	0.0042 (J)	
9/13/2018	<0.04	
3/18/2019	0.022 (X)	
9/11/2019	<0.04	
3/10/2020	<0.04	
9/14/2020	<0.04	
3/11/2021	<0.04	
8/5/2021	<0.04	
1/31/2022		<0.04
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.04	
5/18/2016	<0.04	
7/27/2016	<0.04 (*)	
9/20/2016	0.0133 (J)	
11/7/2016	0.0079 (J)	
1/23/2017	<0.04	
3/29/2017	<0.04	
6/8/2017	<0.04	
9/27/2017	<0.04	
3/15/2018	<0.04	
9/13/2018	<0.04	
3/15/2019	<0.04	
9/12/2019	<0.04	
3/9/2020	<0.04	
9/14/2020	<0.04	
3/11/2021	<0.04	
8/5/2021	<0.04	
2/1/2022		0.011 (J)
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.04	
5/18/2016	<0.04	
7/27/2016	<0.04	
9/20/2016	0.0109 (J)	
11/4/2016	<0.04	
1/20/2017	<0.04	
3/29/2017	<0.04	
6/8/2017	<0.04	
9/27/2017	<0.04	
3/16/2018	<0.04	
9/13/2018	<0.04	
3/19/2019	<0.04	
9/11/2019	0.0054 (X)	
3/9/2020	0.0051 (J)	
9/15/2020	<0.04	
3/11/2021	<0.04	
8/5/2021	<0.04	
2/1/2022		0.01 (J)
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.04	
5/17/2016	<0.04	
7/27/2016	<0.04 (*)	
9/20/2016	0.0078 (J)	
11/4/2016	<0.04	
1/23/2017	<0.04	
3/28/2017	<0.04	
6/8/2017	<0.04	
9/29/2017	<0.04	
3/15/2018	<0.04	
9/13/2018	<0.04	
3/15/2019	<0.04	
9/11/2019	<0.04	
3/9/2020	<0.04	
9/14/2020	<0.04	
3/11/2021	<0.04	
8/4/2021	<0.04	
1/31/2022		<0.04
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.04	
5/18/2016	<0.04	
7/27/2016	<0.04 (*)	
9/21/2016	<0.04 (*)	
11/4/2016	<0.04	
1/24/2017	<0.04	
3/29/2017	<0.04	
6/8/2017	<0.04	
9/29/2017	<0.04	
3/15/2018	<0.04	
9/13/2018	<0.04	
3/18/2019	0.0099 (X)	
9/11/2019	<0.04	
3/11/2020	<0.04	
9/11/2020	0.0057 (J)	
3/15/2021	0.01 (J)	
8/11/2021	<0.04	
2/1/2022		<0.04
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.04	
5/18/2016	<0.04	
7/28/2016	<0.04 (*)	
9/21/2016	<0.04 (*)	
11/7/2016	0.0138 (J)	
1/24/2017	<0.04	
3/30/2017	0.0077 (J)	
6/9/2017	<0.04	
9/29/2017	<0.04	
3/15/2018	0.0052 (J)	
9/14/2018	<0.04	
3/19/2019	0.0043 (X)	
9/11/2019	<0.04	
3/9/2020	0.0055 (J)	
9/14/2020	<0.04	
3/15/2021	0.0066 (J)	
8/5/2021	<0.04	
2/1/2022		0.0087 (J)
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	<0.04	
5/25/2016	<0.04	
8/1/2016	<0.04	
9/27/2016	<0.04	
11/11/2016	0.0083 (J)	
1/31/2017	<0.04	
4/3/2017	<0.04	
6/12/2017	<0.04	
10/3/2017	<0.04	
3/19/2018	0.0041 (J)	
9/17/2018	<0.04	
3/20/2019	<0.04	
9/16/2019	0.0051 (J)	
3/16/2020	<0.04	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/2/2022		<0.04
8/16/2022		<0.04
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	<0.04	
5/24/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/18/2016	<0.04	
2/1/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/19/2018	<0.04	
9/17/2018	<0.04	
3/21/2019	<0.04	
9/16/2019	<0.04	
3/12/2020	0.0061 (J)	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/17/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	<0.04	
5/24/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/14/2016	<0.04	
2/1/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/20/2018	0.0073 (J)	
9/17/2018	0.0046 (J)	
3/21/2019	<0.04	
9/16/2019	<0.04	
3/12/2020	0.0052 (J)	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/17/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.04	
8/2/2016	<0.04	
9/27/2016	0.0073 (J)	
11/21/2016	0.008 (J)	
2/1/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
7/14/2017	0.007 (J)	
10/3/2017	<0.04	
3/20/2018	0.0064 (J)	
9/18/2018	0.0045 (J)	
3/21/2019	<0.04	
9/13/2019	0.0065 (J)	
3/12/2020	0.0057 (J)	
9/16/2020	0.0052 (J)	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		0.011 (J)
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	<0.04	
5/24/2016	<0.04	
8/2/2016	<0.04	
9/27/2016	<0.04	
11/22/2016	0.0115 (J)	
2/6/2017	<0.04	
4/6/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/21/2018	<0.04	
9/18/2018	<0.04	
3/27/2019	0.0078 (J)	
9/16/2019	<0.04 (D)	
3/12/2020	<0.04	
9/17/2020	<0.04	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/21/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	<0.04	
5/25/2016	<0.04	
8/2/2016	<0.04	
9/26/2016	<0.04	
11/21/2016	<0.04	
2/3/2017	<0.04	
4/7/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/20/2018	<0.04	
9/18/2018	<0.04	
5/6/2019	0.0065 (J)	
9/16/2019	<0.04	
3/16/2020	<0.04	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		0.012 (J)
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	<0.04	
5/26/2016	<0.04	
8/5/2016	<0.04	
9/28/2016	<0.04	
11/21/2016	<0.04	
2/6/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/20/2018	0.0096 (J)	
9/18/2018	<0.04 (D)	
3/21/2019	0.006 (J)	
9/16/2019	<0.04	
3/12/2020	0.0058 (J)	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/21/2023		<0.04

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	32.6	
5/19/2016	33.4	
7/29/2016	26	
9/23/2016	28.8	
11/9/2016	27.9	
1/30/2017	29.2	
3/30/2017	30	
6/9/2017	30.9	
10/2/2017	31.5	
3/16/2018	28.5	
9/17/2018	30.8	
3/20/2019	30.1	
9/12/2019	31.9	
3/11/2020	31.8	
9/15/2020	30.8	
3/16/2021	34.6	
8/9/2021	32	
2/1/2022		34.1
8/16/2022		34
2/16/2023		33.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	54.1	
5/20/2016	23.9	
7/29/2016	25.3	
9/23/2016	26.6	
11/9/2016	16.1	
1/31/2017	5.68	
3/30/2017	25.2	
6/12/2017	34.2	
10/2/2017	1.69	
3/19/2018	63	
9/14/2018	2.4	
3/20/2019	4.3	
9/12/2019	1.8	
3/11/2020	66.6	
9/15/2020	18.4	
3/17/2021	40.4	
8/9/2021	41	
2/1/2022		48
8/16/2022		39.5
2/16/2023		60.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	46.5	
5/19/2016	24.6	
7/29/2016	14.9	
9/22/2016	15	
11/10/2016	12.6	
1/31/2017	16.5	
4/3/2017	16.6	
6/9/2017	17.8	
10/2/2017	20.6	
3/16/2018	33	
9/14/2018	22.8 (J)	
3/19/2019	59.2	
9/13/2019	27	
3/11/2020	46.8	
9/15/2020	21.4	
3/16/2021	26.7	
8/9/2021	31.5	
2/1/2022		34.1
8/16/2022		37.9
2/16/2023		51.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	27.8 (D)	
7/27/2016	21.2 (D)	
2/21/2017	31.7 (D)	
3/27/2017	31.9 (D)	
6/8/2017	35 (D)	
7/17/2017	35.9 (D)	
7/27/2017	34.9 (D)	
8/9/2017	33.7 (D)	
9/29/2017	33.4 (D)	
3/16/2018	32.6	
9/14/2018	29.2	
3/14/2019	33	
9/10/2019	33.8	
3/9/2020	35.6	
9/16/2020	34.9	
3/16/2021	32.4	
8/6/2021	33	
2/2/2022		32.6
8/16/2022		32
2/14/2023		31.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	20	
5/11/2016	9.76	
7/19/2016	3.04	
9/15/2016	4.78	
11/2/2016	2.46	
1/18/2017	5.46	
3/28/2017	13	
6/7/2017	17	
9/26/2017	24.9	
12/28/2017	17.9 (Y)	
3/14/2018	26.4	
9/12/2018	25.1	
3/15/2019	20.3 (X)	
9/9/2019	11.3	
3/9/2020	3.2	
9/10/2020	1	
3/12/2021	11	
8/4/2021	10.6	
1/31/2022		12.7
8/10/2022		8.7
2/13/2023		12.8

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	2.05	
5/23/2016	1.29	
7/29/2016	1.29	
9/22/2016	1.51	
11/10/2016	1.54	
1/31/2017	1.34	
3/30/2017	1.31	
6/12/2017	1.4	
10/4/2017	1.13	
3/19/2018	1.2	
9/17/2018	0.95	
3/20/2019	0.96	
9/13/2019	0.94	
3/11/2020	1	
3/29/2021	19	
8/9/2021	19.4	
2/2/2022		22.6
8/16/2022		22.2
2/17/2023		22.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	24	
5/11/2016	22.1	
7/21/2016	19.3	
9/15/2016	18.2	
11/3/2016	18.2	
1/17/2017	22	
3/24/2017	21.1	
5/24/2017	23.5	
9/26/2017	24.1	
3/14/2018	25.7	
9/12/2018	18.4 (J)	
3/13/2019	23.8 (X)	
9/9/2019	15.4	
3/9/2020	29.4	
9/11/2020	17.7	
3/10/2021	22.8	
8/4/2021	17.1	
1/31/2022		18.5
8/12/2022		18.5
2/13/2023		18.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	24	
5/12/2016	15.5	
7/20/2016	16.5	
9/15/2016	6.1	
11/3/2016	13.7	
1/18/2017	13.1	
3/24/2017	17.3	
6/6/2017	29.1	
9/25/2017	17.6	
3/14/2018	39.6	
9/12/2018	14.2 (J)	
3/14/2019	22.7 (X)	
9/10/2019	6	
3/6/2020	29.2	
9/10/2020	13.5	
3/11/2021	25.9	
8/4/2021	15.7	
1/31/2022		14.5
8/11/2022		16.2
2/13/2023		26.9

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	38	
5/13/2016	36	
7/21/2016	33.5	
9/21/2016	31.9	
11/3/2016	28.9	
1/17/2017	31.4	
3/27/2017	31.7	
6/6/2017	42.9	
9/25/2017	29.3	
3/14/2018	41.4	
9/12/2018	29	
3/14/2019	31.9	
9/10/2019	29.6	
3/9/2020	25.5	
9/10/2020	22.9	
3/10/2021	40.3	
8/4/2021	38.5	
1/31/2022		39.3
8/11/2022		39.7
2/13/2023		38.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	31	
5/16/2016	32	
7/22/2016	28.5	
9/19/2016	28.6	
11/3/2016	26.6	
1/17/2017	28.7	
3/27/2017	30.4	
6/7/2017	31.3	
9/26/2017	29.5	
3/14/2018	32.6	
9/14/2018	30.5	
3/14/2019	32	
9/10/2019	34	
3/6/2020	38	
9/10/2020	31.1	
3/11/2021	34.8	
8/4/2021	34	
1/31/2022		37.3
8/10/2022		40.5
2/13/2023		35.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	13	
5/13/2016	18.7	
7/19/2016	12	
9/16/2016	8.48	
11/2/2016	11.4	
1/18/2017	6.81	
3/28/2017	5.61	
6/6/2017	4.99	
9/22/2017	4.24	
3/14/2018	3.6	
9/12/2018	3.7	
3/13/2019	2.9	
9/11/2019	3.2	
3/9/2020	2.6	
9/11/2020	9	
3/11/2021	2.1	
8/6/2021	4	
1/31/2022		2.2
8/11/2022		4.8
2/14/2023		2.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	30	
5/13/2016	27.8	
7/19/2016	25.3	
9/16/2016	27.5	
11/2/2016	26.2	
1/18/2017	26.6	
3/28/2017	29	
6/6/2017	29.3	
9/22/2017	32.2	
12/28/2017	29 (Y)	
3/15/2018	28	
9/12/2018	28.7	
3/13/2019	29.2	
9/11/2019	29.5	
3/9/2020	31.7	
9/14/2020	31	
3/11/2021	31.2	
8/5/2021	29	
1/31/2022		30.6
8/10/2022		33.1
2/13/2023		28.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	54.7 (D)	
4/7/2017	46.8 (D)	
6/14/2017	52.4 (D)	
7/12/2017	51.1 (D)	
7/20/2017	47.5 (D)	
7/28/2017	44 (D)	
8/9/2017	48.3 (D)	
8/24/2017	41.9 (D)	
10/3/2017	47.7 (D)	
3/21/2018	47.5	
9/18/2018	48.1	
3/21/2019	49.9 (D)	
9/12/2019	49.9 (D)	
3/12/2020	54.2	
9/17/2020	48.4	
3/16/2021	53.7	
8/10/2021	56.5	
2/3/2022		57.7
8/17/2022		54.7
2/17/2023		59.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	3.89	
5/23/2016	2.16	
8/1/2016	1.37	
9/26/2016	1.86	
11/10/2016	1.86	
1/30/2017	2.86	
4/7/2017	2.34	
6/12/2017	1.87	
10/2/2017	2.53	
3/16/2018	1.8	
9/17/2018	2.3	
3/19/2019	4.2	
9/13/2019	1.9	
3/11/2020	1.6	
9/16/2020	1.7	
3/17/2021	1.4	
8/9/2021	1.5	
2/1/2022		1.5
8/16/2022		1.6
2/16/2023		1.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	7.04	
5/25/2016	13.5	
8/1/2016	2.2	
9/26/2016	5.72	
11/11/2016	2.5	
1/30/2017	2.01	
4/3/2017	6.26	
6/12/2017	7.44	
10/2/2017	6.55	
3/16/2018	2.6	
9/18/2018	1.3	
3/19/2019	4.6	
9/12/2019	3.7	
3/11/2020	1.2	
9/15/2020	0.94 (J)	
3/17/2021	5.4	
8/9/2021	1.7	
2/2/2022		0.93 (J)
8/17/2022		3.8
2/16/2023		0.81 (J)

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	36.4	
5/26/2016	37.6	
8/5/2016	30.7	
9/28/2016	32.4	
11/22/2016	31.4	
2/7/2017	30.1	
4/10/2017	23.6	
6/14/2017	34.6	
10/4/2017	35.2	
3/20/2018	12 (J)	
9/18/2018	36.7	
3/22/2019	15.4 (J)	
9/17/2019	36.7	
3/12/2020	18.6	
9/17/2020	32.6	
3/18/2021	27	
8/10/2021	29.4	
2/4/2022		21.3
8/17/2022		36.7
2/20/2023		9

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	45	
5/26/2016	41.7	
8/3/2016	35.2	
9/28/2016	39.2	
11/22/2016	37.2	
2/7/2017	38.4	
4/10/2017	38.7	
6/14/2017	40.8	
10/4/2017	40.1	
3/21/2018	43.3	
9/18/2018	45.4	
3/22/2019	37.2	
9/17/2019	40.5	
3/12/2020	43.2	
9/17/2020	39	
3/18/2021	43.8	
8/11/2021	44.3	
2/4/2022		46.3
8/18/2022		48.5
2/20/2023		46.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	21.3	
5/26/2016	22.5	
8/3/2016	17.5	
9/28/2016	24.1	
11/22/2016	15.7	
2/8/2017	18.3	
4/10/2017	18.5	
6/15/2017	21	
10/4/2017	9.4	
3/21/2018	19.7 (J)	
9/18/2018	17.6 (J)	
3/23/2019	7.8	
9/17/2019	16.8	
3/12/2020	8	
9/21/2020	17.7	
3/19/2021	19.7	
8/11/2021	9.1	
2/4/2022		19.2
8/18/2022		10.2
2/20/2023		7.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	27.9	
5/26/2016	28.7	
8/4/2016	18.6	
9/28/2016	17.7	
11/22/2016	20.2	
2/8/2017	24.3	
4/10/2017	29	
6/15/2017	29	
10/4/2017	23.9	
3/22/2018	27.5	
9/18/2018	26.3	
3/23/2019	28.3	
9/17/2019	27.6	
3/12/2020	32.5	
9/21/2020	26	
3/19/2021	31.3	
8/11/2021	33.2	
2/4/2022		34.8
8/18/2022		36.9
2/20/2023		32.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	8.63	
5/27/2016	9.07	
8/3/2016	6.82	
9/30/2016	8.8	
11/22/2016	8.08	
2/13/2017	8.51	
4/11/2017	7.5	
6/14/2017	7.82	
10/4/2017	8.32	
3/22/2018	7.5	
9/18/2018	8.2	
3/23/2019	7.5	
9/17/2019	7.8	
3/12/2020	8.1	
9/21/2020	8	
3/19/2021	7.8	
8/11/2021	8.4	
2/2/2022		8.4
8/18/2022		9.2
2/21/2023		7.9

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	36.9	
5/31/2016	43.9	
8/4/2016	45	
9/29/2016	60.5	
11/28/2016	54.7	
2/9/2017	61	
4/12/2017	52.3	
6/16/2017	62.3	
10/9/2017	58.6	
3/21/2018	40.9	
9/19/2018	45.9	
3/23/2019	29.6	
9/18/2019	40.7	
3/13/2020	33	
9/22/2020	43.1	
3/18/2021	30.8	
8/11/2021	28.4	
2/17/2022		29.3
8/18/2022		33
2/22/2023		26.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	26.5	
6/1/2016	26.6	
2/22/2017	51.6	
4/11/2017	45.2	
6/16/2017	47.5	
7/12/2017	51.6	
7/28/2017	46	
8/10/2017	52.2	
10/6/2017	42.2	
3/23/2018	41.4	
9/20/2018	47.5	
3/22/2019	40.5	
9/18/2019	42.9	
3/17/2020	44.9	
9/22/2020	47.7	
3/19/2021	43	
8/12/2021	43.1	
2/4/2022		43.9
8/19/2022		47.3
2/22/2023		40.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	35.7	
6/1/2016	28.2	
8/9/2016	43	
11/28/2016	24.8	
2/9/2017	21.2	
4/11/2017	21.1	
6/14/2017	20.6	
7/12/2017	17.7	
10/5/2017	20.1	
3/22/2018	18.6 (J)	
9/19/2018	20 (J)	
3/22/2019	16.7 (J)	
9/17/2019	11.4	
3/13/2020	17	
9/21/2020	13.1	
3/18/2021	13	
8/11/2021	14.3	
2/4/2022		14.3
8/18/2022		14.7
2/22/2023		14.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	37.7	
5/31/2016	38.4	
8/4/2016	28.6	
9/29/2016	31.4	
11/23/2016	62.5 (o)	
2/10/2017	31.2	
4/12/2017	34.1	
6/15/2017	34.2	
10/6/2017	35.4	
3/23/2018	35.6	
9/19/2018	35.7	
3/25/2019	35.6	
9/17/2019	39.5	
3/13/2020	41	
9/21/2020	36.5	
3/18/2021	42.1	
8/11/2021	38.6	
2/4/2022		41.7
8/19/2022		40.4
2/22/2023		38.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	12.2	
5/31/2016	8.24	
11/23/2016	24.5	
2/10/2017	23.8	
4/11/2017	25.7	
6/15/2017	24.8	
7/12/2017	27.7	
7/26/2017	25.6	
10/6/2017	24.7	
3/23/2018	24.3 (J)	
9/19/2018	23.7 (J)	
3/22/2019	21.3 (J)	
9/17/2019	22.1	
3/13/2020	24.2	
9/21/2020	22.6	
3/18/2021	27.4	
8/11/2021	25.4	
2/7/2022		26.1
8/19/2022		28.1
2/22/2023		24.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	5.5	
5/16/2016	4.3	
7/25/2016	1.41	
9/19/2016	1.01	
11/3/2016	0.884	
1/19/2017	1.41	
3/28/2017	4.23	
6/5/2017	10.1	
9/26/2017	4.14	
3/15/2018	9	
9/12/2018	4.1	
3/14/2019	17.2 (X)	
9/11/2019	7.1	
3/10/2020	16.9	
9/15/2020	8.3	
3/11/2021	11.9	
8/4/2021	12.5	
1/31/2022		11.2
8/15/2022		10.6
2/14/2023		12.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.8	
5/16/2016	0.877 (D)	
7/25/2016	0.781 (D)	
9/19/2016	0.775 (D)	
11/4/2016	0.792 (D)	
1/23/2017	0.782 (D)	
3/29/2017	0.756 (D)	
6/7/2017	0.944	
9/27/2017	0.773	
3/15/2018	0.77	
9/13/2018	0.79	
3/14/2019	0.9 (D)	
9/11/2019	0.83 (D)	
3/10/2020	0.89 (J)	
9/11/2020	0.81 (J)	
3/11/2021	0.93 (J)	
8/6/2021	0.94 (J)	
2/1/2022		1.1
8/12/2022		1.1
2/14/2023		1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	36	
5/16/2016	37.4 (D)	
7/25/2016	30.2 (D)	
9/19/2016	32.3 (D)	
11/3/2016	29.3 (D)	
1/20/2017	28.7 (D)	
3/29/2017	34.9 (D)	
6/7/2017	30.9	
9/27/2017	34.2	
3/15/2018	34.6	
9/13/2018	36.1	
3/14/2019	37 (D)	
9/11/2019	37.2 (D)	
3/10/2020	43.5	
9/11/2020	35.3	
3/11/2021	43.1	
8/6/2021	40.6	
2/1/2022		43.9
8/12/2022		43.3
2/14/2023		47.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	50	
5/17/2016	50.5	
7/26/2016	40.7	
9/20/2016	38.8	
11/4/2016	40.7	
1/20/2017	38.8	
3/28/2017	48.3	
6/7/2017	43.4	
9/29/2017	46.6	
3/15/2018	46.2	
9/13/2018	45.3	
3/18/2019	46.1	
9/11/2019	43.1	
3/10/2020	51.6	
9/14/2020	40.2	
3/11/2021	45.2	
8/5/2021	43.7	
1/31/2022		39.9
8/15/2022		38.7
2/14/2023		41.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	26	
5/18/2016	26.2	
7/27/2016	19.3	
9/20/2016	25.3	
11/7/2016	23.6	
1/23/2017	25.1	
3/29/2017	28.9	
6/8/2017	25.6	
9/27/2017	23.8	
3/15/2018	21.6 (J)	
9/13/2018	23.8 (J)	
3/15/2019	20.4 (X)	
9/12/2019	21.1	
3/9/2020	22.3	
9/14/2020	20.9	
3/11/2021	21.1	
8/5/2021	20.4	
2/1/2022		21.3
8/15/2022		33.7 (J)
2/14/2023		20.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	25	
5/18/2016	27.6	
7/27/2016	23.9	
9/20/2016	28.9	
11/4/2016	32.1	
1/20/2017	31.8	
3/29/2017	34.6	
6/8/2017	34	
9/27/2017	30.8	
3/16/2018	30.2	
9/13/2018	30.9	
3/19/2019	28.4	
9/11/2019	33.3	
3/9/2020	35	
9/15/2020	31.6	
3/11/2021	31.8	
8/5/2021	29	
2/1/2022		29.4
8/15/2022		22.3
2/14/2023		31.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	12	
5/17/2016	3.25	
7/27/2016	3.2	
9/20/2016	2.72	
11/4/2016	1.69	
1/23/2017	<0.5	
3/28/2017	1.72	
6/8/2017	3.11	
9/29/2017	2.71	
3/15/2018	3.5	
9/13/2018	2.5	
3/15/2019	4.4	
9/11/2019	2.9	
3/9/2020	4.5	
9/14/2020	3.5	
3/11/2021	5.9	
8/4/2021	2.8	
1/31/2022		2.8
8/15/2022		5.6
2/14/2023		3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	24	
5/18/2016	27.7	
7/27/2016	21.7	
9/21/2016	24.9	
11/4/2016	23.6	
1/24/2017	23	
3/29/2017	27.5	
6/8/2017	27.1	
9/29/2017	25.3	
3/15/2018	24.4 (J)	
9/13/2018	22.8 (J)	
3/18/2019	31	
9/11/2019	24.3	
3/11/2020	27.1	
9/11/2020	24.7	
3/15/2021	24.7	
8/11/2021	27.4	
2/1/2022		26
8/15/2022		25.4
2/14/2023		24.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	6.4	
5/18/2016	4.63	
7/28/2016	2.25	
9/21/2016	1.86	
11/7/2016	1.65	
1/24/2017	1.62	
3/30/2017	1.27	
6/9/2017	1.18	
9/29/2017	0.967	
3/15/2018	0.81	
9/14/2018	0.7	
3/19/2019	1.1	
9/11/2019	0.78	
3/9/2020	0.87 (J)	
9/14/2020	0.65 (J)	
3/15/2021	0.69 (J)	
8/5/2021	0.67 (J)	
2/1/2022		0.62 (J)
8/15/2022		0.7 (J)
2/14/2023		0.65 (J)

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	4.29	
5/25/2016	7.15	
8/1/2016	3.35	
9/27/2016	2.89	
11/11/2016	3.33	
1/31/2017	3.21	
4/3/2017	2.57	
6/12/2017	6.22	
10/3/2017	2.45	
3/19/2018	3.3	
9/17/2018	2	
3/20/2019	2.7	
9/16/2019	2.8	
3/16/2020	12.1	
9/16/2020	2.8	
3/17/2021	3	
8/9/2021	2.6	
2/2/2022		3.7
8/16/2022		3.7
2/20/2023		3.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	13.8	
5/24/2016	14.8	
9/26/2016	13.3	
11/18/2016	12.4	
2/1/2017	13.3	
4/6/2017	13.4	
6/13/2017	14.6	
10/3/2017	13.9	
3/19/2018	14.4 (J)	
9/17/2018	12.4 (J)	
3/21/2019	14.9 (J)	
9/16/2019	13.5	
3/12/2020	16.2	
9/16/2020	14.3	
3/17/2021	14.1	
8/10/2021	14.7	
2/2/2022		15.5
8/17/2022		15.8
2/17/2023		15.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	11.1	
5/24/2016	12.6	
9/26/2016	11.8	
11/14/2016	11.3	
2/1/2017	12.6	
4/6/2017	9.84	
6/13/2017	13	
10/3/2017	13.7	
3/20/2018	11.5 (J)	
9/17/2018	11 (J)	
3/21/2019	8.3	
9/16/2019	9.5	
3/12/2020	9.3	
9/16/2020	8.8	
3/17/2021	9.5	
8/10/2021	9.9	
2/2/2022		10.5
8/17/2022		10
2/17/2023		9.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	25.7	
8/2/2016	22.9	
9/27/2016	22.2	
11/21/2016	22.1	
2/1/2017	21.7	
4/6/2017	21.4	
6/13/2017	24.4	
7/14/2017	24.8	
10/3/2017	23.6	
3/20/2018	22.9 (J)	
9/18/2018	20.8 (J)	
3/21/2019	25.2	
9/13/2019	24.6	
3/12/2020	26.4	
9/16/2020	24.4	
3/17/2021	23.9	
8/10/2021	26.2	
2/2/2022		26.9
8/17/2022		27.2
2/20/2023		26.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	22.2	
5/24/2016	25.2	
8/2/2016	20.8	
9/27/2016	23.1	
11/22/2016	22.3	
2/6/2017	21.4	
4/6/2017	21.1	
6/14/2017	22.1	
10/4/2017	23.1	
3/21/2018	22.5 (J)	
9/18/2018	20.8 (J)	
3/27/2019	20.6 (J)	
9/16/2019	23	
3/12/2020	21.8	
9/17/2020	21.4	
3/17/2021	22.4	
8/10/2021	23.5	
2/2/2022		23.9
8/17/2022		24
2/21/2023		18

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	25.1	
5/25/2016	23.7	
8/2/2016	21.5	
9/26/2016	21.4	
11/21/2016	21	
2/3/2017	20	
6/13/2017	21.5	
10/3/2017	22.8	
3/20/2018	20.3 (J)	
9/18/2018	15.5 (J)	
5/6/2019	20 (J)	
9/16/2019	20.3	
3/16/2020	19.4	
9/17/2020	18.1	
3/18/2021	9.6	
8/10/2021	20	
2/2/2022		20.8
8/17/2022		10.4
2/20/2023		18.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	9.07	
5/26/2016	15.8	
8/5/2016	20.5	
9/28/2016	24.9	
11/21/2016	23.4	
2/6/2017	1.7	
4/6/2017	1.6	
6/13/2017	3.82	
10/3/2017	9.77	
3/20/2018	1.4	
9/18/2018	3.35 (D)	
3/21/2019	4.8	
9/16/2019	12	
3/12/2020	1.8	
9/17/2020	18.3	
3/18/2021	1.9	
8/10/2021	1.9	
2/2/2022		2.2
8/17/2022		2.5
2/21/2023		2.3

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	0.0614 (J)	
5/19/2016	0.064 (J)	
7/29/2016	0.11 (J)	
9/23/2016	0.03 (J)	
11/9/2016	0.1 (J)	
1/30/2017	<0.1	
3/30/2017	0.01 (J)	
6/9/2017	0.04 (J)	
10/2/2017	0.07 (J)	
3/16/2018	0.029 (J)	
9/17/2018	<0.1 (D)	
3/20/2019	<0.1	
9/12/2019	0.051 (J)	
3/11/2020	0.052 (J)	
9/15/2020	0.05 (J)	
3/16/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.089 (J)
2/16/2023		0.07 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	0.0477 (J)	
5/20/2016	0.033 (J)	
7/29/2016	0.16 (J)	
9/23/2016	0.1 (J)	
11/9/2016	0.04 (J)	
1/31/2017	<0.1	
3/30/2017	0.02 (J)	
6/12/2017	0.17 (J)	
10/2/2017	<0.1	
3/19/2018	1.1 (O)	
9/14/2018	<0.1	
3/20/2019	<0.1	
9/12/2019	<0.1 (D)	
3/11/2020	<0.1	
9/15/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.086 (J)
2/16/2023		0.061 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	0.0826 (J)	
5/19/2016	0.0409 (J)	
7/29/2016	0.07 (J)	
9/22/2016	<0.1	
11/10/2016	0.03 (J)	
1/31/2017	<0.1	
4/3/2017	0.02 (J)	
6/9/2017	0.06 (J)	
10/2/2017	<0.1	
3/16/2018	<0.1	
9/14/2018	<0.1	
3/19/2019	0.056 (J)	
9/13/2019	0.055 (J)	
3/11/2020	0.052 (J)	
9/15/2020	<0.1	
3/16/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.09 (J)
2/16/2023		0.079 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0202 (JD)	
7/27/2016	0.08 (JD)	
2/21/2017	0.17 (JD)	
3/27/2017	0.09 (JD)	
6/8/2017	0.05 (JD)	
7/17/2017	0.05 (JD)	
7/27/2017	0.08 (JD)	
8/9/2017	<0.1 (*)	
9/29/2017	0.04 (JD)	
3/16/2018	0.27 (J)	
9/14/2018	0.1 (J)	
3/14/2019	0.066 (X)	
9/10/2019	0.055 (X)	
3/9/2020	<0.1	
9/16/2020	<0.1	
3/16/2021	<0.1	
8/6/2021	<0.1	
2/2/2022		<0.1
8/16/2022		<0.1
2/14/2023		0.074 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.0657 (J)	
5/11/2016	0.0401 (J)	
7/19/2016	<0.1	
9/15/2016	<0.1	
11/2/2016	0.04 (J)	
1/18/2017	0.03 (J)	
3/28/2017	0.06 (J)	
6/7/2017	0.06 (J)	
9/26/2017	0.04 (J)	
3/14/2018	0.14 (J)	
9/12/2018	<0.1	
3/15/2019	<0.1	
9/9/2019	0.054 (X)	
3/9/2020	<0.1	
9/10/2020	<0.1	
3/12/2021	0.051 (J)	
8/4/2021	<0.1	
1/31/2022		<0.1
8/10/2022		0.075 (J)
2/13/2023		0.064 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	<0.1	
5/23/2016	<0.1	
7/29/2016	<0.1	
9/22/2016	<0.1	
11/10/2016	<0.1	
1/31/2017	<0.1	
3/30/2017	<0.1	
6/12/2017	<0.1	
10/4/2017	<0.1	
3/19/2018	<0.1	
9/17/2018	<0.1	
3/20/2019	<0.1	
9/13/2019	<0.1	
3/11/2020	<0.1	
3/29/2021	0.053 (J)	
8/9/2021	0.055 (J)	
2/2/2022		<0.1
8/16/2022		0.082 (J)
2/17/2023		0.055 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	0.0267 (J)	
5/11/2016	0.0255 (J)	
7/21/2016	<0.1	
9/19/2016	<0.1	
11/3/2016	0.11 (J)	
1/17/2017	0.02 (J)	
3/24/2017	<0.1	
5/24/2017	<0.1	
9/26/2017	<0.1	
3/14/2018	0.055 (J)	
9/12/2018	<0.1	
3/13/2019	0.045 (X)	
9/9/2019	<0.1	
3/9/2020	<0.1	
9/11/2020	<0.1	
3/10/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/12/2022		0.068 (J)
2/13/2023		0.054 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	0.0285 (J)	
5/12/2016	0.022 (J)	
7/20/2016	<0.1	
9/15/2016	<0.1	
11/3/2016	0.05 (J)	
1/18/2017	0.02 (J)	
3/24/2017	<0.1	
6/6/2017	<0.1	
9/25/2017	<0.1	
3/14/2018	<0.1	
9/12/2018	<0.1	
3/14/2019	0.039 (X)	
9/10/2019	<0.1	
3/6/2020	<0.1	
9/10/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/11/2022		<0.1
2/13/2023		0.05 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	0.0394 (J)	
5/13/2016	0.0234 (J)	
7/21/2016	<0.1	
9/21/2016	<0.1	
11/3/2016	0.12 (J)	
1/17/2017	0.01 (J)	
3/27/2017	<0.1	
6/6/2017	<0.1	
9/25/2017	<0.1	
3/14/2018	<0.1	
9/12/2018	<0.1	
3/14/2019	0.04 (X)	
9/10/2019	<0.1	
3/9/2020	<0.1	
9/10/2020	<0.1	
3/10/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/11/2022		<0.1
2/13/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.0296 (J)	
5/16/2016	0.0287 (J)	
7/22/2016	0.04 (J)	
9/19/2016	<0.1	
11/3/2016	0.04 (J)	
1/17/2017	0.02 (J)	
3/27/2017	<0.1	
6/7/2017	<0.1	
9/26/2017	<0.1	
3/14/2018	0.06 (J)	
9/14/2018	<0.1	
3/14/2019	0.058 (X)	
9/10/2019	<0.1	
3/6/2020	<0.1	
9/10/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/10/2022		0.068 (J)
2/13/2023		0.056 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.0329 (J)	
5/13/2016	0.0459 (J)	
7/19/2016	<0.1	
9/16/2016	<0.1	
11/2/2016	0.04 (J)	
1/18/2017	<0.1	
3/28/2017	<0.1	
6/6/2017	<0.1	
9/22/2017	<0.1	
3/14/2018	<0.1	
9/12/2018	<0.1	
3/13/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/11/2020	<0.1	
3/11/2021	<0.1	
8/6/2021	<0.1	
1/31/2022		<0.1
8/11/2022		<0.1
2/14/2023		0.052 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.0141 (J)	
5/13/2016	0.0141 (J)	
7/19/2016	<0.1	
9/16/2016	<0.1	
11/2/2016	0.04 (J)	
1/18/2017	0.02 (J)	
3/28/2017	<0.1	
6/6/2017	<0.1	
9/22/2017	<0.1	
3/15/2018	<0.1	
9/12/2018	<0.1	
3/13/2019	0.036 (X)	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
1/31/2022		<0.1
8/10/2022		0.062 (J)
2/13/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.3 (D)	
4/7/2017	0.19 (JD)	
6/14/2017	0.19 (JD)	
7/12/2017	0.18 (JD)	
7/20/2017	0.17 (JD)	
7/28/2017	0.13 (JD)	
8/9/2017	0.245 (JD)	
8/24/2017	0.16 (JD)	
10/3/2017	0.17 (JD)	
3/21/2018	0.24 (J)	
9/18/2018	<0.3	
3/21/2019	0.19 (JD)	
9/12/2019	0.1 (JD)	
3/12/2020	0.18 (J)	
9/17/2020	0.12 (J)	
3/16/2021	0.1	
8/10/2021	0.087 (J)	
2/3/2022		0.15
8/17/2022		0.11
2/17/2023		0.11

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	0.0314 (J)	
5/23/2016	0.027 (J)	
8/1/2016	<0.1	
9/26/2016	<0.1	
11/10/2016	0.04 (J)	
1/30/2017	<0.1	
4/7/2017	<0.1	
6/12/2017	0.07 (J)	
10/2/2017	<0.1	
3/16/2018	<0.1	
9/17/2018	<0.1	
3/19/2019	<0.1	
9/13/2019	<0.1	
3/11/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.06 (J)
2/16/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	0.0326 (J)	
5/25/2016	0.0285 (J)	
8/1/2016	<0.1	
9/26/2016	<0.1	
11/11/2016	<0.1	
1/30/2017	<0.1	
4/3/2017	0.04 (J)	
6/12/2017	0.06 (J)	
10/2/2017	<0.1	
3/16/2018	<0.1	
9/18/2018	<0.1	
3/19/2019	<0.1	
9/12/2019	<0.1	
3/11/2020	<0.1	
9/15/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.063 (J)
2/16/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	0.0389 (J)	
5/26/2016	0.0375 (J)	
8/5/2016	0.03 (J)	
9/28/2016	<0.1	
11/22/2016	0.04 (J)	
2/7/2017	<0.1	
4/10/2017	<0.1	
6/14/2017	0.02 (J)	
10/4/2017	<0.1	
3/20/2018	<0.1	
9/18/2018	<0.1	
3/22/2019	0.045 (J)	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/10/2021	<0.1	
2/4/2022		<0.1
8/17/2022		0.094 (J)
2/20/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	0.0209 (J)	
5/26/2016	0.037 (J)	
8/3/2016	<0.1	
9/28/2016	0.05 (J)	
11/22/2016	0.04 (J)	
2/7/2017	<0.1	
4/10/2017	<0.1	
6/14/2017	<0.1	
10/4/2017	<0.1	
3/21/2018	<0.1	
9/18/2018	<0.1	
3/22/2019	<0.1	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		0.051 (J)
2/20/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	0.0357 (J)	
5/26/2016	0.042 (J)	
8/3/2016	0.04 (J)	
9/28/2016	<0.1	
11/22/2016	0.06 (J)	
2/8/2017	0.05 (J)	
4/10/2017	<0.1	
6/15/2017	0.03 (J)	
10/4/2017	<0.1	
3/21/2018	<0.1	
9/18/2018	<0.1	
3/23/2019	<0.1	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/21/2020	<0.1	
3/19/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		<0.1
2/20/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	0.022 (J)	
5/26/2016	0.023 (J)	
8/4/2016	0.05 (J)	
9/28/2016	<0.1	
11/22/2016	0.04 (J)	
2/8/2017	<0.1	
4/10/2017	<0.1	
6/15/2017	<0.1	
10/4/2017	<0.1	
3/22/2018	<0.1	
9/18/2018	<0.1	
3/23/2019	<0.1	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/21/2020	<0.1	
3/19/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		<0.1
2/20/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	0.035 (J)	
5/27/2016	0.032 (J)	
8/3/2016	<0.1	
9/30/2016	<0.1	
11/22/2016	0.03 (J)	
2/13/2017	<0.1	
4/11/2017	<0.1	
6/14/2017	0.01 (J)	
10/4/2017	<0.1	
3/22/2018	<0.1	
9/18/2018	<0.1	
3/23/2019	<0.1	
9/17/2019	<0.1 (D)	
3/12/2020	<0.1	
9/21/2020	<0.1	
3/19/2021	<0.1	
8/11/2021	<0.1	
2/2/2022		<0.1
8/18/2022		0.052 (J)
2/21/2023		0.054 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	0.026 (J)	
5/31/2016	0.0234 (J)	
8/4/2016	0.09 (J)	
9/29/2016	<0.1	
11/28/2016	0.08 (J)	
2/9/2017	0.24 (J)	
4/12/2017	<0.1	
6/16/2017	0.04 (J)	
10/9/2017	<0.1	
3/21/2018	<0.1	
9/19/2018	<0.1	
3/23/2019	<0.1	
9/18/2019	<0.1	
3/13/2020	<0.1	
9/22/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/17/2022		<0.1
8/18/2022		0.061 (J)
2/22/2023		0.06 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	0.044 (J)	
6/1/2016	0.0338 (J)	
2/22/2017	0.22 (J)	
4/11/2017	0.16 (J)	
6/16/2017	0.2 (J)	
7/12/2017	0.2 (J)	
7/28/2017	0.18 (J)	
8/10/2017	<0.3	
10/6/2017	0.14 (J)	
3/23/2018	0.24 (J)	
9/20/2018	<0.3	
3/22/2019	0.12 (J)	
9/18/2019	0.17 (X)	
3/17/2020	0.11 (J)	
9/22/2020	0.1 (J)	
3/19/2021	0.12	
8/12/2021	0.11	
2/4/2022		0.13
8/19/2022		0.14
2/22/2023		0.15

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	0.019 (J)	
6/1/2016	0.0148 (J)	
8/9/2016	0.04 (J)	
11/28/2016	0.07 (J)	
2/9/2017	0.08 (J)	
4/11/2017	<0.1	
6/14/2017	0.01 (J)	
7/12/2017	0.05 (J)	
10/5/2017	<0.1	
3/22/2018	<0.1	
9/19/2018	<0.1	
3/22/2019	<0.1	
9/17/2019	<0.1	
3/13/2020	<0.1	
9/21/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		<0.1
2/22/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	0.027 (J)	
5/31/2016	0.0233 (J)	
8/4/2016	<0.1	
9/29/2016	<0.1	
11/23/2016	0.04 (J)	
2/10/2017	<0.1	
4/12/2017	<0.1	
6/15/2017	0.06 (J)	
10/6/2017	<0.1	
3/23/2018	<0.1	
9/19/2018	<0.1	
3/25/2019	<0.1	
9/17/2019	<0.1	
3/13/2020	<0.1	
9/21/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/19/2022		0.054 (J)
2/22/2023		0.05 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	0.053 (J)	
5/31/2016	0.0669 (J)	
11/23/2016	0.03 (J)	
2/10/2017	<0.1	
4/11/2017	<0.1	
6/15/2017	0.02 (J)	
7/12/2017	0.04 (J)	
7/26/2017	0.03 (J)	
10/6/2017	<0.1	
3/23/2018	<0.1	
9/19/2018	<0.1	
3/22/2019	<0.1	
9/17/2019	<0.1	
3/13/2020	<0.1	
9/21/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/7/2022		<0.1
8/19/2022		0.053 (J)
2/22/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.0657 (J)	
5/16/2016	0.0415 (J)	
7/25/2016	0.14 (J)	
9/19/2016	<0.1	
11/3/2016	0.06 (J)	
1/19/2017	0.009 (J)	
3/28/2017	0.04 (J)	
6/5/2017	0.06 (J)	
7/20/2017	0.21 (J)	
9/26/2017	0.14 (J)	
3/15/2018	0.11 (J)	
9/12/2018	0.062 (J)	
3/14/2019	0.13 (X)	
9/11/2019	<0.1	
3/10/2020	0.13 (J)	
9/15/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/15/2022		0.056 (J)
2/14/2023		0.075 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.1	
5/16/2016	<0.1 (D)	
7/25/2016	0.02 (JD)	
9/19/2016	<0.1 (D)	
11/4/2016	0.04 (JD)	
1/23/2017	0.006 (JD)	
3/29/2017	<0.1 (D)	
6/7/2017	<0.1	
9/27/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/14/2019	<0.1 (D)	
9/11/2019	<0.1 (D)	
3/10/2020	<0.1	
9/11/2020	<0.1	
3/11/2021	<0.1	
8/6/2021	<0.1	
2/1/2022		<0.1
8/12/2022		<0.1
2/14/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.0167 (J)	
5/16/2016	0.0161 (JD)	
7/25/2016	0.14 (JD)	
9/19/2016	<0.1 (D)	
11/3/2016	0.08 (JD)	
1/20/2017	0.01 (JD)	
3/29/2017	<0.1 (D)	
6/7/2017	<0.1	
9/27/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/14/2019	0.039 (JXD)	
9/11/2019	<0.1 (D)	
3/10/2020	<0.1	
9/11/2020	<0.1	
3/11/2021	<0.1	
8/6/2021	<0.1	
2/1/2022		<0.1
8/12/2022		0.063 (J)
2/14/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	0.0235 (J)	
5/17/2016	0.0281 (J)	
7/26/2016	<0.1	
9/20/2016	<0.1	
11/4/2016	0.05 (J)	
1/20/2017	0.01 (J)	
3/28/2017	<0.1	
6/7/2017	<0.1	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/18/2019	<0.1	
9/11/2019	<0.1	
3/10/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
1/31/2022		<0.1
8/15/2022		0.06 (J)
2/14/2023		0.091 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.0439 (J)	
5/18/2016	0.059 (J)	
7/27/2016	0.1 (J)	
9/20/2016	0.04 (J)	
11/7/2016	0.1 (J)	
1/23/2017	0.13 (J)	
3/29/2017	0.04 (J)	
6/8/2017	0.05 (J)	
9/27/2017	0.04 (J)	
3/15/2018	<0.1	
9/13/2018	0.047 (J)	
3/15/2019	<0.1	
9/12/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
2/1/2022		<0.1
8/15/2022		0.058 (J)
2/14/2023		0.064 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.0551 (J)	
5/18/2016	0.065 (J)	
7/27/2016	0.09 (J)	
9/20/2016	<0.1	
11/4/2016	0.04 (J)	
1/20/2017	0.009 (J)	
3/29/2017	<0.1	
6/8/2017	<0.1 (*)	
9/27/2017	<0.1	
3/16/2018	0.13 (J)	
9/13/2018	<0.1	
3/19/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/15/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
2/1/2022		<0.1
8/15/2022		0.069 (J)
2/14/2023		0.081 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.0195 (J)	
5/17/2016	0.0156 (J)	
7/27/2016	<0.1	
9/20/2016	0.03 (J)	
11/4/2016	0.06 (J)	
1/23/2017	0.02 (J)	
3/28/2017	<0.1	
6/8/2017	0.06 (J)	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/15/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/15/2022		0.065 (J)
2/14/2023		0.058 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	0.0257 (J)	
5/18/2016	0.022 (J)	
7/27/2016	0.07 (J)	
9/21/2016	<0.1	
11/4/2016	0.03 (J)	
1/24/2017	<0.1	
3/29/2017	<0.1	
6/8/2017	<0.1 (*)	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/18/2019	<0.1	
9/11/2019	<0.1	
3/11/2020	<0.1	
9/11/2020	<0.1	
3/15/2021	<0.1	
8/11/2021	<0.1	
2/1/2022		<0.1
8/15/2022		<0.1
2/14/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.017 (J)	
5/18/2016	0.015 (J)	
7/28/2016	0.08 (J)	
9/21/2016	<0.1	
11/7/2016	<0.1	
1/24/2017	<0.1	
3/30/2017	<0.1	
6/9/2017	<0.1	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/14/2018	<0.1	
3/19/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/15/2021	<0.1	
8/5/2021	<0.1	
2/1/2022		<0.1
8/15/2022		<0.1
2/14/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	0.0284 (J)	
5/25/2016	0.0207 (J)	
8/1/2016	<0.1	
9/27/2016	<0.1	
11/11/2016	0.04 (J)	
1/31/2017	<0.1	
4/3/2017	<0.1	
6/12/2017	0.02 (J)	
10/3/2017	<0.1	
3/19/2018	<0.1	
9/17/2018	<0.1	
3/20/2019	<0.1	
9/16/2019	<0.1	
3/16/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/2/2022		<0.1
8/16/2022		0.062 (J)
2/20/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	0.0239 (J)	
5/24/2016	0.023 (J)	
8/1/2016	<0.1	
9/26/2016	<0.1	
11/18/2016	0.02 (J)	
2/1/2017	<0.1	
4/6/2017	<0.1	
6/13/2017	0.006 (J)	
10/3/2017	<0.1	
3/19/2018	<0.1	
9/17/2018	<0.1	
3/21/2019	<0.1	
9/16/2019	<0.1	
3/12/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.064 (J)
2/17/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	0.0364 (J)	
5/24/2016	0.0286 (J)	
8/1/2016	0.08 (J)	
9/26/2016	<0.1	
11/14/2016	0.08 (J)	
2/1/2017	<0.1	
4/6/2017	<0.1	
6/13/2017	0.05 (J)	
10/3/2017	<0.1	
3/20/2018	<0.1	
9/17/2018	<0.1	
3/21/2019	<0.1	
9/16/2019	<0.1	
3/12/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.07 (J)
2/17/2023		0.052 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	0.043 (J)	
8/2/2016	<0.1	
9/27/2016	<0.1	
11/21/2016	0.22 (J)	
2/1/2017	<0.1	
4/6/2017	0.008 (J)	
6/13/2017	0.03 (J)	
7/14/2017	0.05 (J)	
10/3/2017	0.06 (J)	
3/20/2018	<0.1	
9/18/2018	<0.1	
3/21/2019	<0.1	
9/13/2019	<0.1	
3/12/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.073 (J)
2/20/2023		0.057 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	0.0228 (J)	
5/24/2016	0.019 (J)	
8/2/2016	<0.1	
9/27/2016	<0.1	
11/22/2016	0.02 (J)	
2/6/2017	<0.1	
4/6/2017	<0.1	
6/14/2017	<0.1	
10/4/2017	<0.1	
3/21/2018	<0.1	
9/18/2018	<0.1	
3/27/2019	<0.1	
9/16/2019	<0.1 (D)	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.062 (J)
2/21/2023		0.057 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	0.048 (J)	
5/25/2016	0.0345 (J)	
8/2/2016	0.08 (J)	
9/26/2016	0.07 (J)	
11/21/2016	0.07 (J)	
2/3/2017	<0.1	
4/7/2017	0.03 (J)	
6/13/2017	0.05 (J)	
10/3/2017	0.1 (J)	
3/20/2018	<0.1	
9/18/2018	<0.1	
5/6/2019	<0.1	
9/16/2019	<0.1	
3/16/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.062 (J)
2/20/2023		0.061 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	0.0241 (J)	
5/26/2016	0.0307 (J)	
8/5/2016	<0.1	
9/28/2016	<0.1	
11/21/2016	0.05 (J)	
2/6/2017	<0.1	
4/6/2017	<0.1	
6/13/2017	<0.1	
10/3/2017	<0.1	
3/20/2018	<0.1	
9/18/2018	<0.1 (D)	
3/21/2019	<0.1	
9/16/2019	<0.1	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.067 (J)
2/21/2023		<0.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	2.3685	
5/19/2016	2.14	
7/29/2016	1.9	
9/23/2016	2	
11/9/2016	1.6	
1/30/2017	1.8	
3/30/2017	1.6	
6/9/2017	1.7	
10/2/2017	1.8	
3/16/2018	1.5	
9/17/2018	1.3 (D)	
3/20/2019	1.5	
9/12/2019	0.98 (J)	
3/11/2020	0.94 (J)	
9/15/2020	0.96 (J)	
3/16/2021	0.99 (J)	
8/9/2021	1.3	
2/1/2022		0.93 (J)
8/16/2022		0.78 (J)
2/16/2023		1.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	105.552	
5/20/2016	44.3	
7/29/2016	48	
9/23/2016	43	
11/9/2016	31	
1/31/2017	4.2	
3/30/2017	53	
6/12/2017	95	
10/2/2017	3.5	
3/19/2018	147	
9/14/2018	7.7	
3/20/2019	3.6	
9/12/2019	5.2	
3/11/2020	131	
9/15/2020	35.3	
3/17/2021	90.7	
8/9/2021	84.7	
2/1/2022		86.1
8/16/2022		58.5
2/16/2023		115

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	26.8249	
5/19/2016	3.81	
7/29/2016	1.1	
9/22/2016	0.96 (J)	
11/10/2016	0.72 (J)	
1/31/2017	1.5	
4/3/2017	1.3	
6/9/2017	1.2	
10/2/2017	1.7	
3/16/2018	14.8 (J)	
9/14/2018	2.1	
3/19/2019	32.5 (J)	
9/13/2019	3.8	
3/11/2020	34.3	
9/15/2020	1	
3/16/2021	3.3	
8/9/2021	1.6	
2/1/2022		1.5
8/16/2022		7.8
2/16/2023		38.9

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	2.4 (D)	
7/27/2016	3.6 (D)	
2/21/2017	26 (D)	
3/27/2017	10 (D)	
6/8/2017	6.7 (D)	
7/17/2017	6.4 (D)	
7/27/2017	18 (D)	
8/9/2017	18 (D)	
9/29/2017	21 (D)	
3/16/2018	15.5	
9/14/2018	11.6	
3/14/2019	9.3	
9/10/2019	14	
3/9/2020	5.8	
9/16/2020	8.6	
3/16/2021	3.5	
8/6/2021	4.2	
2/2/2022		4.5
8/16/2022		4.5
2/14/2023		6.3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Inrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	4.2598	
5/11/2016	6.05	
7/19/2016	9.5	
9/15/2016	6.7	
11/2/2016	5.4	
1/18/2017	5.5	
3/28/2017	2.9	
6/7/2017	2.3	
9/26/2017	3.2	
3/14/2018	3.8	
9/12/2018	3.7	
3/15/2019	3	
9/9/2019	2.4	
3/9/2020	0.84 (J)	
9/10/2020	0.95 (J)	
3/12/2021	2	
8/4/2021	1.3	
1/31/2022		1.2
8/10/2022		1.3
2/13/2023		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	0.8724 (J)	
5/23/2016	0.805 (J)	
7/29/2016	0.84 (J)	
9/22/2016	0.94 (J)	
11/10/2016	1.1	
1/31/2017	0.92 (J)	
3/30/2017	0.77 (J)	
6/12/2017	0.68 (J)	
10/4/2017	0.5 (J)	
3/19/2018	0.49 (J)	
9/17/2018	0.36 (J)	
3/20/2019	0.38 (J)	
9/13/2019	<1	
3/11/2020	<1	
3/29/2021	5.4	
8/9/2021	5	
2/2/2022		3.4
8/16/2022		3.5
2/17/2023		2.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	1.2104	
5/11/2016	1.28	
7/21/2016	0.91 (J)	
9/19/2016	1.3	
11/3/2016	1.5	
1/17/2017	<1.2 (*)	
3/24/2017	0.86 (J)	
5/24/2017	1.2	
9/26/2017	4.2	
12/28/2017	7.4 (Y)	
3/14/2018	3.8	
9/12/2018	1.7	
3/13/2019	2.1	
9/9/2019	1.6	
3/9/2020	1.2	
9/11/2020	1.3	
3/10/2021	1.5	
8/4/2021	1.4	
1/31/2022		1.2
8/12/2022		1.2
2/13/2023		1.4

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	4.9347	
5/12/2016	2.3	
7/20/2016	2	
9/15/2016	1.1	
11/3/2016	1.6	
1/18/2017	1.5	
3/24/2017	1.6	
6/6/2017	4.1	
9/25/2017	1.9	
3/14/2018	11.5	
9/12/2018	1.8	
3/14/2019	6.2	
9/10/2019	1.2	
3/6/2020	10	
9/10/2020	1.7	
3/11/2021	6.1	
8/4/2021	1.7	
1/31/2022		1.8
8/11/2022		1.9
2/13/2023		6

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	6.4987	
5/13/2016	3.68	
7/21/2016	4.5	
9/21/2016	2.8	
11/3/2016	6.7	
1/17/2017	<1.1 (*)	
3/27/2017	0.85 (J)	
6/6/2017	6.1	
9/25/2017	3.5	
3/14/2018	10.9 (J)	
9/12/2018	3.7	
3/14/2019	8.9	
9/10/2019	8.4	
3/9/2020	8.5	
9/10/2020	5.9	
3/10/2021	8.4	
8/4/2021	6.4	
1/31/2022		8.5
8/11/2022		4.7
2/13/2023		10.2

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	1.4538	
5/16/2016	1.18	
7/22/2016	1.8	
9/19/2016	1.4	
11/3/2016	1.6	
1/17/2017	<1.8 (*)	
3/27/2017	2	
6/7/2017	1.9	
9/26/2017	2	
3/14/2018	2.1	
9/14/2018	1.6	
3/14/2019	2.2	
9/10/2019	1.2	
3/6/2020	1.7	
9/10/2020	0.95 (J)	
3/11/2021	1.6	
8/4/2021	1.4	
1/31/2022		1.1
8/10/2022		1
2/13/2023		1.6

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	1.1313	
5/13/2016	1.96	
7/19/2016	1.3	
9/16/2016	1.1	
11/2/2016	1.2	
1/18/2017	0.84 (J)	
3/28/2017	0.7 (J)	
6/6/2017	0.47 (J)	
9/22/2017	0.59 (J)	
3/14/2018	0.39 (J)	
9/12/2018	0.3 (J)	
3/13/2019	0.43 (X)	
9/11/2019	<1	
3/9/2020	<1	
9/11/2020	<1	
3/11/2021	<1	
8/6/2021	<1	
1/31/2022		<1
8/11/2022		<1
2/14/2023		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	3.8282	
5/13/2016	3.56	
7/19/2016	5.6	
9/16/2016	6.7	
11/2/2016	8.1	
1/18/2017	8.9	
3/28/2017	8.2	
6/6/2017	7	
9/22/2017	8.3	
3/15/2018	5.1	
9/12/2018	5.6	
3/13/2019	4.4	
9/11/2019	5	
3/9/2020	3.9	
9/14/2020	4.9	
3/11/2021	4.3	
8/5/2021	2.9	
1/31/2022		2.5
8/10/2022		2.5
2/13/2023		2.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	22 (D)	
4/7/2017	18 (D)	
6/14/2017	20 (D)	
7/12/2017	18 (D)	
7/20/2017	20 (D)	
7/28/2017	18 (D)	
8/9/2017	19 (D)	
8/24/2017	21 (D)	
10/3/2017	25 (D)	
12/28/2017	26 (Y)	
3/21/2018	25.4	
9/18/2018	22.8	
3/21/2019	24.9 (D)	
9/12/2019	16.5 (D)	
3/12/2020	20.8	
9/17/2020	20.3	
3/16/2021	22.1	
8/10/2021	20.7	
2/3/2022		20.7
8/17/2022		18.1
2/17/2023		21.2

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	0.7283 (J)	
5/23/2016	0.728 (J)	
8/1/2016	0.78 (J)	
9/26/2016	0.82 (J)	
11/10/2016	0.92 (J)	
1/30/2017	<1	
4/7/2017	0.82 (J)	
6/12/2017	0.78 (J)	
10/2/2017	0.71 (J)	
3/16/2018	0.67 (J)	
9/17/2018	0.47 (J)	
3/19/2019	0.52 (J)	
9/13/2019	0.55 (J)	
3/11/2020	<1	
9/16/2020	<1	
3/17/2021	<1	
8/9/2021	<1	
2/1/2022		<1
8/16/2022		<1
2/16/2023		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	0.9594 (J)	
5/25/2016	1.59	
8/1/2016	1	
9/26/2016	1.2	
11/11/2016	1.2	
1/30/2017	<1	
4/3/2017	1.3	
6/12/2017	1.1	
10/2/2017	1.1	
3/16/2018	0.87 (J)	
9/18/2018	0.87 (J)	
3/19/2019	0.97 (J)	
9/12/2019	0.8 (J)	
3/11/2020	0.85 (J)	
9/15/2020	0.54 (J)	
3/17/2021	0.86 (J)	
8/9/2021	0.77 (J)	
2/2/2022		0.53 (J)
8/17/2022		0.55 (J)
2/16/2023		0.58 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	1.17	
5/26/2016	1.01	
8/5/2016	1.1	
9/28/2016	1	
11/22/2016	1.8	
2/7/2017	1.7	
4/10/2017	1.9	
6/14/2017	1.1	
10/4/2017	1.8	
3/20/2018	1.4	
9/18/2018	1.6	
3/22/2019	1.6	
9/17/2019	1.2	
3/12/2020	1.3	
9/17/2020	0.87 (J)	
3/18/2021	1.2	
8/10/2021	1.3	
2/4/2022		1.2
8/17/2022		1.1
2/20/2023		1.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	1.5	
5/26/2016	1.51	
8/3/2016	1.4	
9/28/2016	1.6	
11/22/2016	1.6	
2/7/2017	2	
4/10/2017	1.7	
6/14/2017	1.4	
10/4/2017	1.4	
3/21/2018	1.1	
9/18/2018	1.9	
3/22/2019	1.3	
9/17/2019	1.6	
3/12/2020	0.99 (J)	
9/17/2020	0.95 (J)	
3/18/2021	0.96 (J)	
8/11/2021	1	
2/4/2022		1.1
8/18/2022		1.5 (J)
2/20/2023		1.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	2.57	
5/26/2016	2.5	
8/3/2016	3	
9/28/2016	2.3	
11/22/2016	3.8	
2/8/2017	3.1	
4/10/2017	2.5	
6/15/2017	2.5	
10/4/2017	2.5	
3/21/2018	2.4	
9/18/2018	2.8	
3/23/2019	2.1	
9/17/2019	2.6	
3/12/2020	1.8	
9/21/2020	2	
3/19/2021	1.9	
8/11/2021	1.4	
2/4/2022		1.7
8/18/2022		1.6
2/20/2023		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	2.99	
5/26/2016	2.68	
8/4/2016	3.6	
9/28/2016	4.4	
11/22/2016	3.8	
2/8/2017	2.7	
4/10/2017	2.2	
6/15/2017	2.3	
10/4/2017	2.8	
3/22/2018	2.2	
9/18/2018	2.6	
3/23/2019	2.1	
9/17/2019	2	
3/12/2020	1.5	
9/21/2020	1.8	
3/19/2021	1.5	
8/11/2021	1.5	
2/4/2022		1.5
8/18/2022		1.9
2/20/2023		1.8

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	0.3574 (J)	
5/27/2016	<1	
8/3/2016	0.35 (J)	
9/30/2016	0.47 (J)	
11/22/2016	0.36 (J)	
2/13/2017	0.79 (J)	
4/11/2017	0.42 (J)	
6/14/2017	0.3 (J)	
10/4/2017	0.36 (J)	
3/22/2018	0.3 (J)	
9/18/2018	<1	
3/23/2019	0.3 (J)	
9/17/2019	<1 (D)	
3/12/2020	<1	
9/21/2020	<1	
3/19/2021	<1	
8/11/2021	<1	
2/2/2022		<1
8/18/2022		<1
2/21/2023		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	24.8	
5/31/2016	42.5	
8/4/2016	91	
9/29/2016	110	
11/28/2016	120	
2/9/2017	150	
4/12/2017	120	
6/16/2017	120	
10/9/2017	130	
3/21/2018	59.1	
9/19/2018	64.5	
3/23/2019	15.5 (J)	
9/18/2019	50.7	
3/13/2020	16.9	
9/22/2020	39.6	
3/18/2021	19.3	
8/11/2021	9.7	
2/17/2022		6.9
8/18/2022		16
2/22/2023		8.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	17.5	
6/1/2016	20.9	
2/22/2017	48	
4/11/2017	41	
6/16/2017	33	
7/12/2017	58	
7/28/2017	55	
8/10/2017	66	
10/6/2017	77	
3/23/2018	75.8	
9/20/2018	72.2	
3/22/2019	57.9	
9/18/2019	68.1	
3/17/2020	72.1	
9/22/2020	69.8	
3/19/2021	74.2	
8/12/2021	56.7	
2/4/2022		63.1
8/19/2022		65.7
2/22/2023		59.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	1.65	
6/1/2016	1.75	
11/28/2016	2.7	
2/9/2017	2.7	
4/11/2017	4.9	
6/14/2017	2.4	
7/12/2017	4.1	
10/5/2017	1.6	
3/22/2018	2.5	
9/19/2018	1.7	
3/22/2019	6.2	
9/17/2019	6.1	
3/13/2020	11.1	
9/21/2020	5.5	
3/18/2021	7.8	
8/11/2021	6.9	
2/4/2022		6.4
8/18/2022		9.2
2/22/2023		10.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	7.45	
5/31/2016	7.29	
8/4/2016	7.6	
9/29/2016	6.1	
11/23/2016	10	
2/10/2017	6.7	
4/12/2017	9.2	
6/15/2017	9.2	
10/6/2017	10	
3/23/2018	10.6	
9/19/2018	10.4	
3/25/2019	11.2	
9/17/2019	13.1	
3/13/2020	8.8	
9/21/2020	9	
3/18/2021	10.4	
8/11/2021	9.1	
2/4/2022		8.3
8/19/2022		6.9
2/22/2023		7.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	10.1	
5/31/2016	12.1	
11/23/2016	1.3	
2/10/2017	4.2	
4/11/2017	3.2	
6/15/2017	2.5	
7/12/2017	6.9	
7/26/2017	2.9	
10/6/2017	6.6	
3/23/2018	1.6	
9/19/2018	2.6	
3/22/2019	2.1	
9/17/2019	1.6	
3/13/2020	1.1	
9/21/2020	0.9 (J)	
3/18/2021	0.76 (J)	
8/11/2021	0.65 (J)	
2/7/2022		0.64 (J)
8/19/2022		0.87 (J)
2/22/2023		0.81 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	14.7828	
5/16/2016	10.2	
7/25/2016	8.4	
9/19/2016	2.5	
11/3/2016	3.3	
1/19/2017	3.2	
3/28/2017	16 (J)	
6/5/2017	38	
7/20/2017	48	
9/26/2017	18	
3/15/2018	32.4	
9/12/2018	16	
3/14/2019	79.7 (O)	
9/11/2019	19.8	
3/10/2020	48.5	
9/15/2020	23.1	
3/11/2021	35.5	
8/4/2021	35.1	
1/31/2022		29.7
8/15/2022		27.6
2/14/2023		33.8

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.6294 (J)	
5/16/2016	0.5151 (JD)	
7/25/2016	0.84 (J*D)	
9/19/2016	0.72 (JD)	
11/4/2016	0.75 (JD)	
1/23/2017	0.99 (JD)	
3/29/2017	1.5 (D)	
6/7/2017	0.63 (J)	
9/27/2017	1.2	
3/15/2018	0.75 (J)	
9/13/2018	1.3	
3/14/2019	0.72 (JXD)	
9/11/2019	<1 (D)	
3/10/2020	0.61 (J)	
9/11/2020	<1	
3/11/2021	<1	
8/6/2021	<1	
2/1/2022		<1
8/12/2022		<1
2/14/2023		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	2.8721	
5/16/2016	2.27 (D)	
7/25/2016	2.6 (D)	
9/19/2016	2.8 (D)	
11/3/2016	2.6 (D)	
1/20/2017	2.8 (D)	
3/29/2017	3.1 (D)	
6/7/2017	3.2	
9/27/2017	2.5	
3/15/2018	2.9	
9/13/2018	2.3	
3/14/2019	4.3 (D)	
9/11/2019	2.6 (D)	
3/10/2020	5.2	
9/11/2020	2.8	
3/11/2021	4.2	
8/6/2021	4	
2/1/2022		6.1
8/12/2022		3.6
2/14/2023		10.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	5.7554	
5/17/2016	8.67	
7/26/2016	6.6	
9/20/2016	5.8	
11/4/2016	6.1	
1/20/2017	7	
3/28/2017	7.7	
6/7/2017	6.4	
9/29/2017	8.4	
3/15/2018	6.4	
9/13/2018	7.2	
3/18/2019	4.4	
9/11/2019	7	
3/10/2020	5.5	
9/14/2020	6.9	
3/11/2021	6.7	
8/5/2021	6	
1/31/2022		5.2
8/15/2022		5.6
2/14/2023		4.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	3.4409	
5/18/2016	4.09	
7/27/2016	4	
9/20/2016	4.3	
11/7/2016	4.1	
1/23/2017	5.1	
3/29/2017	5.2	
6/8/2017	3.8	
9/27/2017	4.3	
3/15/2018	3.7	
9/13/2018	4.8	
3/15/2019	4.2	
9/12/2019	4.7	
3/9/2020	4.3	
9/14/2020	4.3	
3/11/2021	4.7	
8/5/2021	4.3	
2/1/2022		4.3
8/15/2022		8.4 (J)
2/14/2023		4.3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	9.1279	
5/18/2016	10.1	
7/27/2016	7	
9/20/2016	6.7	
11/4/2016	7.9	
1/20/2017	6.6	
3/29/2017	6.2	
6/8/2017	7.5	
9/27/2017	7.5	
3/16/2018	13.4	
9/13/2018	11.6	
3/19/2019	14.8	
9/11/2019	10.7	
3/9/2020	10.4	
9/15/2020	9.6	
3/11/2021	10.4	
8/5/2021	10.3	
2/1/2022		9.4
8/15/2022		4.3
2/14/2023		12.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	2.6569	
5/17/2016	2.39	
7/27/2016	<1.6 (*)	
9/20/2016	2.4	
11/4/2016	2.1	
1/23/2017	2.1	
3/28/2017	2.1	
6/8/2017	1.3	
9/29/2017	3.7	
12/28/2017	1.7 (Y)	
3/15/2018	0.76 (J)	
9/13/2018	1.6	
3/15/2019	1.7	
9/11/2019	0.86 (X)	
3/9/2020	1.6	
9/14/2020	5.4	
3/11/2021	15.4	
5/26/2021	20.2	
8/4/2021	1.5	
1/31/2022		1.2
8/15/2022		10.4
2/14/2023		3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	3.4197	
5/18/2016	3.06	
7/27/2016	2.6	
9/21/2016	3.1	
11/4/2016	3.1	
1/24/2017	3	
3/29/2017	2.5	
6/8/2017	3.3	
9/29/2017	4.2	
12/28/2017	3.8 (Y)	
3/15/2018	3.1	
9/13/2018	3.6	
3/18/2019	5.8	
9/11/2019	5.7	
3/11/2020	3.3	
9/11/2020	2.1	
3/15/2021	2.6	
8/11/2021	2.4	
2/1/2022		2.5
8/15/2022		2.5
2/14/2023		1.8

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	5.3658	
5/18/2016	4.44	
7/28/2016	9.9	
9/21/2016	2.2	
11/7/2016	2.2	
1/24/2017	1.5	
3/30/2017	1.7	
6/9/2017	1.7	
9/29/2017	2.2	
3/15/2018	2.4	
9/14/2018	2.4	
3/19/2019	2.2	
9/11/2019	1.5	
3/9/2020	1.5	
9/14/2020	1.2	
3/15/2021	1.5	
8/5/2021	1.1	
2/1/2022		0.93 (J)
8/15/2022		0.98 (J)
2/14/2023		0.84 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	1.87	
5/25/2016	1.41	
8/1/2016	1.5	
9/27/2016	1.4	
11/11/2016	1.5	
1/31/2017	1.8	
4/3/2017	1.5	
6/12/2017	2.1	
10/3/2017	1.4	
3/19/2018	1.3	
9/17/2018	1.3	
3/20/2019	1.3	
9/16/2019	1.2	
3/16/2020	1.1	
9/16/2020	1.1	
3/17/2021	1.1	
8/9/2021	1.2	
2/2/2022		1
8/16/2022		1
2/20/2023		1.4

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	3.5801	
5/24/2016	2.79	
8/1/2016	2.2	
9/26/2016	1.8	
11/18/2016	1.8	
2/1/2017	2.8	
4/6/2017	<2.5	
6/13/2017	2.8	
10/3/2017	2.6	
3/19/2018	2.6	
9/17/2018	2.2	
3/21/2019	2.7	
9/16/2019	2	
3/12/2020	2.1	
9/16/2020	1.8	
3/17/2021	2.2	
8/10/2021	1.7	
2/2/2022		1.7
8/17/2022		1.6
2/17/2023		2

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	1.4863	
5/24/2016	1.62	
8/1/2016	2.3	
9/26/2016	2.4	
11/14/2016	2.8	
2/1/2017	2.6	
4/6/2017	<2.3	
6/13/2017	2.2	
10/3/2017	2.6	
3/20/2018	2.5	
9/17/2018	2.5	
3/21/2019	1.7	
9/16/2019	1.6	
3/12/2020	1.4	
9/16/2020	1.3	
3/17/2021	1.8	
8/10/2021	1.4	
2/2/2022		1.5
8/17/2022		1.2
2/17/2023		1.8

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	2.03	
8/2/2016	0.96 (J)	
9/27/2016	0.87 (J)	
11/21/2016	0.93 (J)	
2/1/2017	0.76 (J)	
4/6/2017	<1	
6/13/2017	0.58 (J)	
7/14/2017	0.04 (J)	
10/3/2017	0.87 (J)	
3/20/2018	0.5 (J)	
9/18/2018	0.65 (J)	
3/21/2019	1.9	
9/13/2019	0.76 (J)	
3/12/2020	1.7	
9/16/2020	1.1	
3/17/2021	1.3	
8/10/2021	1.1	
2/2/2022		1.3
8/17/2022		0.91 (J)
2/20/2023		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	1.9542	
5/24/2016	0.989 (J)	
8/2/2016	1	
9/27/2016	0.95 (J)	
11/22/2016	1.1	
2/6/2017	0.96 (J)	
4/6/2017	<1	
6/14/2017	0.97 (J)	
10/4/2017	0.84 (J)	
3/21/2018	1.2	
9/18/2018	0.9 (J)	
3/27/2019	1.5	
9/16/2019	0.69 (JD)	
3/12/2020	1.8	
9/17/2020	0.6 (J)	
3/17/2021	0.72 (J)	
8/10/2021	0.64 (J)	
2/2/2022		0.72 (J)
8/17/2022		0.53 (J)
2/21/2023		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	3.9321	
5/25/2016	2.68	
8/2/2016	2.7	
9/26/2016	2.9	
11/21/2016	2.8	
2/3/2017	2.7	
4/7/2017	2.3	
6/13/2017	2	
10/3/2017	1.9	
3/20/2018	1.6	
9/18/2018	1.6	
5/6/2019	2.1	
9/16/2019	1	
3/16/2020	0.66 (J)	
9/17/2020	0.74 (J)	
3/18/2021	1.1	
8/10/2021	0.72 (J)	
2/2/2022		0.72 (J)
8/17/2022		0.58 (J)
2/20/2023		1.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	2	
5/26/2016	2.93	
8/5/2016	3.6	
9/28/2016	3.2	
11/21/2016	3.3	
2/6/2017	1.3	
4/6/2017	<1.2	
6/13/2017	2	
10/3/2017	2.8	
3/20/2018	1.2	
9/18/2018	2.6	
3/21/2019	2.3	
9/16/2019	3	
3/12/2020	1.1	
9/17/2020	3.5	
3/18/2021	2.1	
8/10/2021	1.7	
2/2/2022		2.5
8/17/2022		2.5
2/21/2023		3

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	150	
5/19/2016	150	
7/29/2016	146	
9/23/2016	163	
11/9/2016	147	
1/30/2017	127	
3/30/2017	137	
6/9/2017	164	
10/2/2017	137	
3/16/2018	140	
9/17/2018	162	
3/20/2019	175	
9/12/2019	174	
3/11/2020	172	
9/15/2020	156	
3/16/2021	155	
8/9/2021	150	
2/1/2022		143
8/16/2022		159
2/16/2023		152 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	259	
5/20/2016	122	
7/29/2016	156	
9/23/2016	150	
11/9/2016	87	
1/31/2017	63	
3/30/2017	112	
6/12/2017	216	
10/2/2017	<25	
3/19/2018	295	
9/14/2018	30	
3/20/2019	49	
9/12/2019	44	
3/11/2020	309	
9/15/2020	28	
3/17/2021	211	
8/9/2021	207	
2/1/2022		202
8/16/2022		182
2/16/2023		267 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	174	
5/19/2016	93	
7/29/2016	68	
9/22/2016	91	
11/10/2016	96	
1/31/2017	206	
4/3/2017	118	
6/9/2017	87	
10/2/2017	73	
3/16/2018	130	
9/14/2018	103	
3/19/2019	208	
9/13/2019	113	
3/11/2020	170	
9/15/2020	89	
3/16/2021	102	
8/9/2021	127	
2/1/2022		114
8/16/2022		123
2/16/2023		197 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	114 (D)	
7/27/2016	107 (D)	
2/21/2017	229 (D)	
3/27/2017	239 (D)	
6/8/2017	179 (D)	
7/17/2017	180 (D)	
7/27/2017	190 (D)	
8/9/2017	153 (D)	
9/29/2017	173 (D)	
3/16/2018	150	
9/14/2018	165	
3/14/2019	154	
9/10/2019	181	
3/9/2020	173	
9/16/2020	156	
3/16/2021	142	
8/6/2021	133	
2/2/2022		143
8/16/2022		125
2/14/2023		149 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	106	
5/11/2016	58	
7/19/2016	46	
9/15/2016	41	
11/2/2016	37	
1/18/2017	29	
3/28/2017	40	
9/26/2017	107	
3/14/2018	126	
9/12/2018	134	
3/15/2019	107	
9/9/2019	93	
3/9/2020	58	
9/10/2020	16	
3/12/2021	55	
8/4/2021	60	
1/31/2022		61
8/10/2022		50
2/13/2023		105 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	<25	
5/23/2016	<25	
7/29/2016	17 (J)	
9/22/2016	33	
11/10/2016	41	
1/31/2017	58	
3/30/2017	<25	
6/12/2017	20 (J)	
10/4/2017	<25	
3/19/2018	<25	
9/17/2018	32	
3/20/2019	30	
9/13/2019	19	
3/11/2020	24	
3/29/2021	76	
8/9/2021	95	
2/2/2022		104
8/16/2022		85
2/17/2023		117 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	107	
5/11/2016	80	
7/21/2016	76	
9/19/2016	108	
11/3/2016	90	
1/17/2017	128	
3/24/2017	91	
5/24/2017	152	
9/26/2017	103	
3/14/2018	123	
9/12/2018	105	
3/13/2019	130	
9/9/2019	108	
3/9/2020	131	
9/11/2020	102	
3/10/2021	60	
8/4/2021	66	
1/31/2022		81
8/12/2022		91
2/13/2023		259 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	110	
5/12/2016	49	
7/20/2016	72	
9/15/2016	18 (J)	
11/3/2016	70	
1/18/2017	63	
3/24/2017	63	
6/6/2017	128	
9/25/2017	109	
3/14/2018	192	
9/12/2018	82	
3/14/2019	119	
9/10/2019	36	
3/6/2020	137	
9/10/2020	35	
3/11/2021	101	
8/4/2021	77	
1/31/2022		63
8/11/2022		73
2/13/2023		111 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	78	
5/13/2016	178	
7/21/2016	168	
9/21/2016	123	
11/3/2016	157	
1/17/2017	170	
3/27/2017	158	
6/6/2017	212	
9/25/2017	145	
3/14/2018	210	
9/12/2018	159	
3/14/2019	157	
9/10/2019	113	
3/9/2020	249	
9/10/2020	111	
3/10/2021	148	
8/4/2021	176	
1/31/2022		184
8/11/2022		170
2/13/2023		163 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	139	
5/16/2016	112	
7/22/2016	136	
9/19/2016	121	
11/3/2016	132	
1/17/2017	150	
3/27/2017	148	
6/7/2017	181	
9/26/2017	113	
3/14/2018	134	
9/14/2018	139	
3/14/2019	157	
9/10/2019	105	
3/6/2020	143	
9/10/2020	120	
3/11/2021	109	
8/4/2021	141	
1/31/2022		132
8/10/2022		134
2/13/2023		226

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	69	
5/13/2016	88	
7/19/2016	56	
9/16/2016	31	
11/2/2016	48	
1/18/2017	44	
3/28/2017	<35	
6/6/2017	36	
9/22/2017	41	
3/14/2018	<35	
9/12/2018	<35	
3/13/2019	31	
9/11/2019	21	
3/9/2020	51	
9/11/2020	31	
3/11/2021	14	
8/6/2021	33	
1/31/2022		25
8/11/2022		28
2/14/2023		60.9

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	144	
5/13/2016	142	
7/19/2016	135	
9/16/2016	144	
11/2/2016	152	
1/18/2017	125	
3/28/2017	109	
6/6/2017	154	
9/22/2017	157	
3/15/2018	117	
9/12/2018	151	
3/13/2019	152	
9/11/2019	151	
3/9/2020	174	
9/14/2020	146	
3/11/2021	98	
8/5/2021	126	
1/31/2022		128
8/10/2022		145
2/13/2023		126

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	329 (D)	
4/7/2017	295 (D)	
6/14/2017	237 (D)	
7/12/2017	400 (D)	
7/20/2017	203 (D)	
7/28/2017	262 (D)	
8/9/2017	195 (D)	
8/24/2017	236 (D)	
10/3/2017	224 (D)	
3/21/2018	237	
9/18/2018	227	
3/21/2019	367 (D)	
9/12/2019	200 (D)	
3/12/2020	247	
9/17/2020	223	
3/16/2021	196	
8/10/2021	238	
2/3/2022		243
8/17/2022		226
2/17/2023		252 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	<25	
5/23/2016	32	
8/1/2016	<25	
9/26/2016	45	
11/10/2016	38	
1/30/2017	<25	
4/7/2017	18 (J)	
6/12/2017	15 (J)	
10/2/2017	17 (J)	
3/16/2018	<25	
9/17/2018	38	
3/19/2019	34	
9/13/2019	19	
3/11/2020	17	
9/16/2020	20	
3/17/2021	<25	
8/9/2021	14	
2/1/2022		21
8/16/2022		<25
2/16/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	46	
5/25/2016	57	
8/1/2016	<25	
9/26/2016	60	
11/11/2016	13 (J)	
1/30/2017	<25	
4/3/2017	100	
6/12/2017	51	
10/2/2017	32	
3/16/2018	<25	
9/18/2018	15 (J)	
3/19/2019	48	
9/12/2019	46	
3/11/2020	24	
9/15/2020	12	
3/17/2021	31	
8/9/2021	<25	
2/2/2022		15
8/17/2022		18 (J)
2/16/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	122	
5/26/2016	143	
8/5/2016	143	
9/28/2016	160	
11/22/2016	149	
2/7/2017	123	
4/10/2017	95	
6/14/2017	150	
10/4/2017	140	
3/20/2018	93	
9/18/2018	155	
3/22/2019	95	
9/17/2019	165	
3/12/2020	63	
9/17/2020	140	
3/18/2021	74	
8/10/2021	120	
2/4/2022		102
8/17/2022		128
2/20/2023		47

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	135	
5/26/2016	163	
8/3/2016	159	
9/28/2016	208	
11/22/2016	152	
2/7/2017	128	
4/10/2017	186	
6/14/2017	150	
10/4/2017	153	
3/21/2018	192	
9/18/2018	155	
3/22/2019	140	
9/17/2019	172	
3/12/2020	81	
9/17/2020	125	
3/18/2021	62	
8/11/2021	138	
2/4/2022		156
8/18/2022		135
2/20/2023		154

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	79	
5/26/2016	105	
8/3/2016	106	
9/28/2016	148	
11/22/2016	88	
2/8/2017	62	
4/10/2017	92	
6/15/2017	96	
10/4/2017	78	
3/21/2018	111	
9/18/2018	106	
3/23/2019	64	
9/17/2019	101	
3/12/2020	96	
9/21/2020	93	
3/19/2021	79	
8/11/2021	53	
2/4/2022		120
8/18/2022		59
2/20/2023		98

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	135	
5/26/2016	124	
8/4/2016	109	
9/28/2016	104	
11/22/2016	94	
2/8/2017	141 (J)	
4/10/2017	114	
6/15/2017	153	
10/4/2017	121	
3/22/2018	139	
9/18/2018	139	
3/23/2019	148	
9/17/2019	143	
3/12/2020	125	
9/21/2020	145	
3/19/2021	135	
8/11/2021	149	
2/4/2022		157
8/18/2022		141
2/20/2023		149

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	58	
5/27/2016	66	
8/3/2016	65	
9/30/2016	60	
11/22/2016	63	
2/13/2017	104 (J)	
4/11/2017	63	
6/14/2017	97	
10/4/2017	74	
3/22/2018	54	
9/18/2018	73	
3/23/2019	58	
9/17/2019	62	
3/12/2020	64	
9/21/2020	62	
3/19/2021	53	
8/11/2021	58	
2/2/2022		54
8/18/2022		48
2/21/2023		42

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	156	
5/31/2016	192	
8/4/2016	269	
9/29/2016	288	
11/28/2016	224	
2/9/2017	386	
4/12/2017	254	
6/16/2017	309	
10/9/2017	269	
3/21/2018	211	
9/19/2018	222	
3/23/2019	135	
9/18/2019	200	
3/13/2020	143	
9/22/2020	176	
3/18/2021	82	
8/11/2021	131	
2/17/2022		119
8/18/2022		132
2/22/2023		1020

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	110	
6/1/2016	121	
2/22/2017	311	
4/11/2017	212	
6/16/2017	262	
7/12/2017	310	
7/28/2017	289	
8/10/2017	288	
10/6/2017	268	
3/23/2018	281	
9/20/2018	297	
3/22/2019	249	
9/18/2019	281	
3/17/2020	256	
9/22/2020	248	
3/19/2021	250	
8/12/2021	263	
2/4/2022		262
8/19/2022		243
2/22/2023		254

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	42	
6/1/2016	63	
8/9/2016	267	
11/28/2016	116	
2/9/2017	212 (J)	
4/11/2017	113	
6/14/2017	120	
7/12/2017	153	
10/5/2017	102	
3/22/2018	115	
9/19/2018	114	
3/22/2019	104	
9/17/2019	86	
3/13/2020	59	
9/21/2020	94	
3/18/2021	57	
8/11/2021	77	
2/4/2022		92
8/18/2022		83
2/22/2023		65

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	103	
5/31/2016	157	
8/4/2016	154	
9/29/2016	142	
11/23/2016	172	
2/10/2017	237	
4/12/2017	168	
6/15/2017	176	
10/6/2017	155	
3/23/2018	170	
9/19/2018	181	
3/25/2019	167	
9/17/2019	179	
3/13/2020	169	
9/21/2020	186	
3/18/2021	153	
8/11/2021	181	
2/4/2022		162
8/19/2022		152
2/22/2023		174

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	53	
5/31/2016	70	
11/23/2016	118	
2/10/2017	214	
4/11/2017	127	
6/15/2017	126	
7/12/2017	164	
7/26/2017	129	
10/6/2017	140	
3/23/2018	119	
9/19/2018	138	
3/22/2019	116	
9/17/2019	117	
3/13/2020	76	
9/21/2020	122	
3/18/2021	54	
8/11/2021	122	
2/7/2022		121
8/19/2022		112
2/22/2023		111

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<36	
5/16/2016	35	
7/25/2016	24 (J)	
9/19/2016	19 (J)	
11/3/2016	34	
1/19/2017	13 (J)	
3/28/2017	<36	
6/5/2017	206	
7/20/2017	72	
9/26/2017	35	
3/15/2018	41	
9/12/2018	<36	
3/14/2019	110	
9/11/2019	58	
3/10/2020	127	
9/15/2020	56	
3/11/2021	43	
8/4/2021	62	
1/31/2022		63
8/15/2022		50
2/14/2023		70.9

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<10	
5/16/2016	<10 (D)	
7/25/2016	16 (JD)	
9/19/2016	12 (JD)	
11/4/2016	13 (JD)	
1/23/2017	15 (JD)	
3/29/2017	<10 (D)	
6/7/2017	26	
9/27/2017	<10	
3/15/2018	<10	
9/13/2018	<10	
3/14/2019	39 (XJD)	
9/11/2019	<10 (D)	
3/10/2020	60	
9/11/2020	11	
3/11/2021	12	
8/6/2021	17	
2/1/2022		70
8/12/2022		14
2/14/2023		33.9

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	89	
5/16/2016	169 (D)	
7/25/2016	159 (D)	
9/19/2016	152 (D)	
11/3/2016	150 (D)	
1/20/2017	152 (D)	
3/29/2017	143 (D)	
6/7/2017	192	
9/27/2017	159	
3/15/2018	146	
9/13/2018	185	
3/14/2019	195 (D)	
9/11/2019	172 (D)	
3/10/2020	245	
9/11/2020	146	
3/11/2021	167	
8/6/2021	186	
2/1/2022		201
8/12/2022		159
2/14/2023		206

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	253	
5/17/2016	251	
7/26/2016	249	
9/20/2016	195	
11/4/2016	209	
1/20/2017	211	
3/28/2017	199	
6/7/2017	251	
9/29/2017	255	
3/15/2018	231	
9/13/2018	263	
3/18/2019	251	
9/11/2019	234	
3/10/2020	273	
9/14/2020	232	
3/11/2021	209	
8/5/2021	210	
1/31/2022		197
8/15/2022		187
2/14/2023		199

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	152	
5/18/2016	123	
7/27/2016	113	
9/20/2016	126	
11/7/2016	167	
1/23/2017	125	
3/29/2017	116	
6/8/2017	131	
9/27/2017	117	
3/15/2018	102	
9/13/2018	144	
3/15/2019	125	
9/12/2019	121	
3/9/2020	147	
9/14/2020	129	
3/11/2021	106	
8/5/2021	90	
2/1/2022		107
8/15/2022		141 (J)
2/14/2023		111 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	149	
5/18/2016	162	
7/27/2016	132	
9/20/2016	155	
11/4/2016	169	
1/20/2017	135	
3/29/2017	147	
6/8/2017	159	
9/27/2017	167	
3/16/2018	141	
9/13/2018	175	
3/19/2019	154	
9/11/2019	164	
3/9/2020	44	
9/15/2020	108	
3/11/2021	143	
8/5/2021	142	
2/1/2022		157
8/15/2022		104
2/14/2023		151

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	63	
5/17/2016	<31	
7/27/2016	11 (J)	
9/20/2016	14 (J)	
11/4/2016	27	
1/23/2017	15 (J)	
3/28/2017	<31	
6/8/2017	29	
9/29/2017	21 (J)	
3/15/2018	<31	
9/13/2018	<31	
3/15/2019	41	
9/11/2019	20	
3/9/2020	100	
9/14/2020	47	
3/11/2021	40	
8/4/2021	34	
1/31/2022		31
8/15/2022		37
2/14/2023		30.9

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	103	
5/18/2016	129	
7/27/2016	108	
9/21/2016	102	
11/4/2016	130	
1/24/2017	152	
3/29/2017	95	
6/8/2017	176	
9/29/2017	118	
3/15/2018	88	
9/13/2018	137	
3/18/2019	170	
9/11/2019	138	
3/11/2020	125	
9/11/2020	127	
3/15/2021	107	
8/11/2021	116	
2/1/2022		125
8/15/2022		103
2/14/2023		114

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	31	
5/18/2016	43	
7/28/2016	43	
9/21/2016	<25	
11/7/2016	50	
1/24/2017	63	
3/30/2017	<25	
6/9/2017	20 (J)	
9/29/2017	22 (J)	
3/15/2018	<25	
9/14/2018	29	
3/19/2019	35	
9/11/2019	27	
3/9/2020	51	
9/14/2020	25	
3/15/2021	30	
8/5/2021	<25	
2/1/2022		27
8/15/2022		<25
2/14/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	<25	
5/25/2016	34	
8/1/2016	25	
9/27/2016	20 (J)	
11/11/2016	41	
1/31/2017	127	
4/3/2017	69	
6/12/2017	46	
10/3/2017	34	
3/19/2018	<25	
9/17/2018	38	
3/20/2019	66	
9/16/2019	45	
3/16/2020	20	
9/16/2020	30	
3/17/2021	15	
8/9/2021	<25	
2/2/2022		32
8/16/2022		<25
2/20/2023		53

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	51	
5/24/2016	76	
8/1/2016	69	
9/26/2016	103	
11/18/2016	77	
2/1/2017	168	
4/6/2017	95	
6/13/2017	101	
10/3/2017	83	
3/19/2018	70	
9/17/2018	77	
3/21/2019	80	
9/16/2019	82	
3/12/2020	42	
9/16/2020	77	
3/17/2021	47	
8/10/2021	53	
2/2/2022		73
8/17/2022		53
2/17/2023		75 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	64	
5/24/2016	77	
8/1/2016	35	
9/26/2016	111	
11/14/2016	76	
2/1/2017	126	
4/6/2017	146	
6/13/2017	84	
10/3/2017	70	
3/20/2018	78	
9/17/2018	74	
3/21/2019	60	
9/16/2019	65	
3/12/2020	22	
9/16/2020	52	
3/17/2021	43	
8/10/2021	<10	
2/2/2022		51
8/17/2022		33
2/17/2023		50 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	120	
8/2/2016	100	
9/27/2016	121	
11/21/2016	164	
2/1/2017	144	
4/6/2017	125	
6/13/2017	148	
7/14/2017	121	
10/3/2017	117	
3/20/2018	136	
9/18/2018	116	
3/21/2019	107	
9/13/2019	115	
3/12/2020	86	
9/16/2020	124	
3/17/2021	112	
8/10/2021	101	
2/2/2022		115
8/17/2022		83
2/20/2023		122

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	104	
5/24/2016	94	
8/2/2016	105	
9/27/2016	119	
11/22/2016	105	
2/6/2017	99	
4/6/2017	124	
6/14/2017	114	
10/4/2017	107	
3/21/2018	117	
9/18/2018	110	
3/27/2019	101	
9/16/2019	113	
3/12/2020	84	
9/17/2020	111	
3/17/2021	113	
8/10/2021	112	
2/2/2022		102
8/17/2022		89
2/21/2023		77

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	111	
5/25/2016	95	
8/2/2016	124	
9/26/2016	140	
11/21/2016	154	
2/3/2017	113	
4/7/2017	147	
6/13/2017	117	
10/3/2017	150	
3/20/2018	121	
9/18/2018	93	
5/6/2019	118	
9/16/2019	99	
3/16/2020	76	
9/17/2020	98	
3/18/2021	48	
8/10/2021	92	
2/2/2022		85
8/17/2022		41
2/20/2023		86

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	26	
5/26/2016	70	
8/5/2016	95	
9/28/2016	152	
11/21/2016	145	
2/6/2017	20 (J)	
4/6/2017	17 (J)	
6/13/2017	32	
10/3/2017	71	
3/20/2018	49	
9/18/2018	38	
3/21/2019	39	
9/16/2019	85	
3/12/2020	16	
9/17/2020	94	
3/18/2021	<25	
8/10/2021	22	
2/2/2022		21
8/17/2022		25
2/21/2023		<25

FIGURE I.

Appendix III Interwell Prediction Limits -Two-Step - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWC-13	400	n/a	2/22/2023	1020	Yes	298	n/a	n/a	7.047	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2

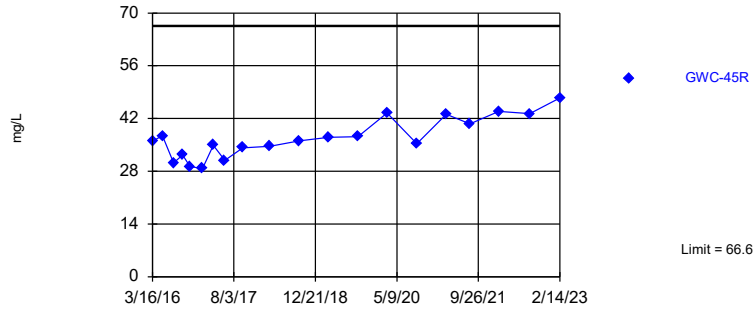
Appendix III Interwell Prediction Limits -Two-Step - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-45R	66.6	n/a	2/14/2023	47.5	No	301	n/a	n/a	0	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	GWC-45R	147	n/a	2/14/2023	10.1	No	301	n/a	n/a	7.309	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	400	n/a	2/22/2023	1020	Yes	298	n/a	n/a	7.047	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

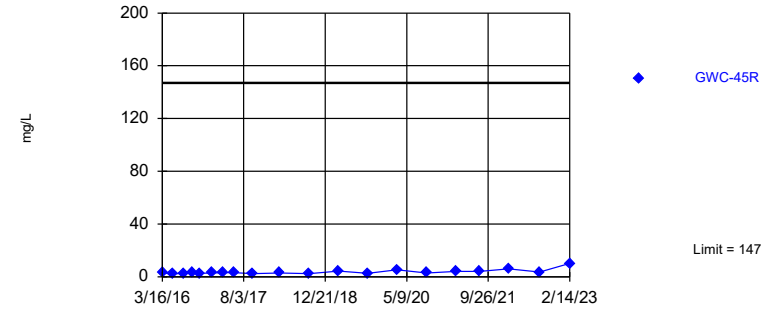


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 301 background values. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Calcium, total Analysis Run 3/27/2023 4:14 PM View: Appendix III Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric

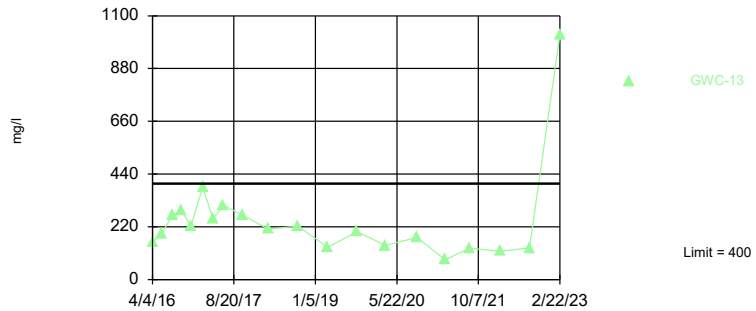


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 301 background values. 7.309% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Sulfate, total Analysis Run 3/27/2023 4:14 PM View: Appendix III Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit: GWC-13

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 298 background values. 7.047% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:14 PM View: Appendix III Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWA-1 (bg)
3/11/2016	30	13	31						
3/14/2016				20					
3/15/2016					38	24	24		
3/16/2016								36	
3/22/2016									32.6
3/23/2016									
3/28/2016									
5/11/2016				9.76			22.1		
5/12/2016						15.5			
5/13/2016	27.8	18.7			36				
5/16/2016			32					37.4 (D)	
5/19/2016									33.4
5/20/2016									
5/23/2016									
5/25/2016									
7/19/2016	25.3	12		3.04					
7/20/2016						16.5			
7/21/2016					33.5		19.3		
7/22/2016			28.5						
7/25/2016								30.2 (D)	
7/27/2016									
7/29/2016									26
8/1/2016									
9/15/2016				4.78		6.1	18.2		
9/16/2016	27.5	8.48							
9/19/2016			28.6					32.3 (D)	
9/21/2016					31.9				
9/22/2016									
9/23/2016									28.8
9/26/2016									
11/2/2016	26.2	11.4		2.46					
11/3/2016			26.6		28.9	13.7	18.2	29.3 (D)	
11/9/2016									27.9
11/10/2016									
11/11/2016									
1/17/2017			28.7		31.4		22		
1/18/2017	26.6	6.81		5.46		13.1			
1/20/2017								28.7 (D)	
1/30/2017									29.2
1/31/2017									
2/21/2017									
2/22/2017									
3/24/2017						17.3	21.1		
3/27/2017			30.4		31.7				
3/28/2017	29	5.61		13					
3/29/2017								34.9 (D)	
3/30/2017									30
4/3/2017									
4/7/2017									
5/24/2017							23.5		
6/6/2017	29.3	4.99			42.9	29.1			
6/7/2017			31.3	17				30.9	

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/11/2016							
3/14/2016							
3/15/2016							
3/16/2016							
3/22/2016							
3/23/2016	46.5	2.05	54.1				
3/28/2016				7.04	3.89		
5/11/2016							
5/12/2016							
5/13/2016							
5/16/2016						27.8 (D)	
5/19/2016	24.6						
5/20/2016			23.9				
5/23/2016		1.29			2.16		
5/25/2016				13.5			
7/19/2016							
7/20/2016							
7/21/2016							
7/22/2016							
7/25/2016							
7/27/2016						21.2 (D)	
7/29/2016	14.9	1.29	25.3				
8/1/2016				2.2	1.37		
9/15/2016							
9/16/2016							
9/19/2016							
9/21/2016							
9/22/2016	15	1.51					
9/23/2016			26.6				
9/26/2016				5.72	1.86		
11/2/2016							
11/3/2016							
11/9/2016			16.1				
11/10/2016	12.6	1.54			1.86		
11/11/2016				2.5			
1/17/2017							
1/18/2017							
1/20/2017							
1/30/2017				2.01	2.86		
1/31/2017	16.5	1.34	5.68				
2/21/2017						31.7 (D)	
2/22/2017							54.7 (D)
3/24/2017							
3/27/2017						31.9 (D)	
3/28/2017							
3/29/2017							
3/30/2017		1.31	25.2				
4/3/2017	16.6			6.26			
4/7/2017					2.34		46.8 (D)
5/24/2017							
6/6/2017							
6/7/2017							

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/10/2021							
3/11/2021							
3/12/2021							
3/16/2021	26.7					32.4	53.7
3/17/2021			40.4	5.4	1.4		
3/29/2021		19					
8/4/2021							
8/5/2021							
8/6/2021						33	
8/9/2021	31.5	19.4	41	1.7	1.5		
8/10/2021							56.5
1/31/2022							
2/1/2022	34.1		48		1.5		
2/2/2022		22.6		0.93 (J)		32.6	
2/3/2022							57.7
8/10/2022							
8/11/2022							
8/12/2022							
8/16/2022	37.9	22.2	39.5		1.6	32	
8/17/2022				3.8			54.7
2/13/2023							
2/14/2023						31.4	
2/16/2023	51.6		60.5	0.81 (J)	1.4		
2/17/2023		22.4					59.4

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWA-1 (bg)
3/11/2016	3.8282	1.1313	1.4538						
3/14/2016				4.2598					
3/15/2016					6.4987	4.9347	1.2104		
3/16/2016								2.8721	
3/22/2016									2.3685
3/23/2016									
3/28/2016									
5/11/2016				6.05			1.28		
5/12/2016						2.3			
5/13/2016	3.56	1.96			3.68				
5/16/2016			1.18					2.27 (D)	
5/19/2016									2.14
5/20/2016									
5/23/2016									
5/25/2016									
7/19/2016	5.6	1.3		9.5					
7/20/2016						2			
7/21/2016					4.5		0.91 (J)		
7/22/2016			1.8						
7/25/2016								2.6 (D)	
7/27/2016									
7/29/2016									1.9
8/1/2016									
9/15/2016				6.7		1.1			
9/16/2016	6.7	1.1							
9/19/2016			1.4				1.3	2.8 (D)	
9/21/2016					2.8				
9/22/2016									
9/23/2016									2
9/26/2016									
11/2/2016	8.1	1.2		5.4					
11/3/2016			1.6		6.7	1.6	1.5	2.6 (D)	
11/9/2016									1.6
11/10/2016									
11/11/2016									
1/17/2017			<1 (*)		<1 (*)		<1 (*)		
1/18/2017	8.9	0.84 (J)		5.5		1.5			
1/20/2017								2.8 (D)	
1/30/2017									1.8
1/31/2017									
2/21/2017									
2/22/2017									
3/24/2017						1.6	0.86 (J)		
3/27/2017			2		0.85 (J)				
3/28/2017	8.2	0.7 (J)		2.9					
3/29/2017								3.1 (D)	
3/30/2017									1.6
4/3/2017									
4/7/2017									
5/24/2017							1.2		
6/6/2017	7	0.47 (J)			6.1	4.1			
6/7/2017			1.9	2.3				3.2	

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWA-1 (bg)
6/8/2017									
6/9/2017									1.7
6/12/2017									
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017	8.3	0.59 (J)							
9/25/2017					3.5	1.9			
9/26/2017			2	3.2			4.2		
9/27/2017								2.5	
9/29/2017									
10/2/2017									1.8
10/3/2017									
10/4/2017									
12/28/2017							7.4 (Y)		
3/14/2018		0.39 (J)	2.1	3.8	10.9 (J)	11.5	3.8		
3/15/2018	5.1							2.9	
3/16/2018									1.5
3/19/2018									
3/21/2018									
9/12/2018	5.6	0.3 (J)		3.7	3.7	1.8	1.7		
9/13/2018								2.3	
9/14/2018			1.6						
9/17/2018									1.3 (D)
9/18/2018									
3/13/2019	4.4	0.43 (X)					2.1		
3/14/2019			2.2		8.9	6.2		4.3 (D)	
3/15/2019				3					
3/19/2019									
3/20/2019									1.5
3/21/2019									
9/9/2019				2.4			1.6		
9/10/2019			1.2		8.4	1.2			
9/11/2019	5	<1						2.6 (D)	
9/12/2019									0.98 (J)
9/13/2019									
3/6/2020			1.7			10			
3/9/2020	3.9	<1		0.84 (J)	8.5		1.2		
3/10/2020								5.2	
3/11/2020									0.94 (J)
3/12/2020									
9/10/2020			0.95 (J)	0.95 (J)	5.9	1.7			
9/11/2020		<1					1.3	2.8	
9/14/2020	4.9								
9/15/2020									0.96 (J)
9/16/2020									
9/17/2020									

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWA-1 (bg)
3/10/2021					8.4		1.5		
3/11/2021	4.3	<1	1.6			6.1		4.2	
3/12/2021				2					
3/16/2021									0.99 (J)
3/17/2021									
3/29/2021									
8/4/2021			1.4	1.3	6.4	1.7	1.4		
8/5/2021	2.9								
8/6/2021		<1						4	
8/9/2021									1.3
8/10/2021									
1/31/2022	2.5	<1	1.1	1.2	8.5	1.8	1.2		
2/1/2022								6.1	0.93 (J)
2/2/2022									
2/3/2022									
8/10/2022	2.5		1	1.3					
8/11/2022		<1			4.7	1.9			
8/12/2022							1.2	3.6	
8/16/2022									0.78 (J)
8/17/2022									
2/13/2023	2.5		1.6	1.7	10.2	6	1.4		
2/14/2023		<1						10.1	
2/16/2023									1.1
2/17/2023									

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/11/2016							
3/14/2016							
3/15/2016							
3/16/2016							
3/22/2016							
3/23/2016	26.8249	0.8724 (J)	105.552				
3/28/2016				0.9594 (J)	0.7283 (J)		
5/11/2016							
5/12/2016							
5/13/2016							
5/16/2016						2.4 (D)	
5/19/2016	3.81						
5/20/2016			44.3				
5/23/2016		0.805 (J)			0.728 (J)		
5/25/2016				1.59			
7/19/2016							
7/20/2016							
7/21/2016							
7/22/2016							
7/25/2016							
7/27/2016						3.6 (D)	
7/29/2016	1.1	0.84 (J)	48				
8/1/2016				1	0.78 (J)		
9/15/2016							
9/16/2016							
9/19/2016							
9/21/2016							
9/22/2016	0.96 (J)	0.94 (J)					
9/23/2016			43				
9/26/2016				1.2	0.82 (J)		
11/2/2016							
11/3/2016							
11/9/2016			31				
11/10/2016	0.72 (J)	1.1			0.92 (J)		
11/11/2016				1.2			
1/17/2017							
1/18/2017							
1/20/2017							
1/30/2017				<1	<1		
1/31/2017	1.5	0.92 (J)	4.2				
2/21/2017						26 (D)	
2/22/2017							22 (D)
3/24/2017							
3/27/2017						10 (D)	
3/28/2017							
3/29/2017							
3/30/2017		0.77 (J)	53				
4/3/2017	1.3			1.3			
4/7/2017					0.82 (J)		18 (D)
5/24/2017							
6/6/2017							
6/7/2017							

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
6/8/2017						6.7 (D)	
6/9/2017	1.2						
6/12/2017		0.68 (J)	95	1.1	0.78 (J)		
6/14/2017							20 (D)
7/12/2017							18 (D)
7/17/2017						6.4 (D)	
7/20/2017							20 (D)
7/27/2017						18 (D)	
7/28/2017							18 (D)
8/9/2017						18 (D)	19 (D)
8/24/2017							21 (D)
9/22/2017							
9/25/2017							
9/26/2017							
9/27/2017							
9/29/2017						21 (D)	
10/2/2017	1.7		3.5	1.1	0.71 (J)		
10/3/2017							25 (D)
10/4/2017		0.5 (J)					
12/28/2017							26 (Y)
3/14/2018							
3/15/2018							
3/16/2018	14.8 (J)			0.87 (J)	0.67 (J)	15.5	
3/19/2018		0.49 (J)	147				
3/21/2018							25.4
9/12/2018							
9/13/2018							
9/14/2018	2.1		7.7			11.6	
9/17/2018		0.36 (J)			0.47 (J)		
9/18/2018				0.87 (J)			22.8
3/13/2019							
3/14/2019						9.3	
3/15/2019							
3/19/2019	32.5 (J)			0.97 (J)	0.52 (J)		
3/20/2019		0.38 (J)	3.6				
3/21/2019							24.9 (D)
9/9/2019							
9/10/2019						14	
9/11/2019							
9/12/2019			5.2	0.8 (J)			16.5 (D)
9/13/2019	3.8	<1			0.55 (J)		
3/6/2020							
3/9/2020						5.8	
3/10/2020							
3/11/2020	34.3	<1	131	0.85 (J)	<1		
3/12/2020							20.8
9/10/2020							
9/11/2020							
9/14/2020							
9/15/2020	1		35.3	0.54 (J)			
9/16/2020					<1	8.6	
9/17/2020							20.3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/10/2021							
3/11/2021							
3/12/2021							
3/16/2021	3.3					3.5	22.1
3/17/2021			90.7	0.86 (J)	<1		
3/29/2021		5.4					
8/4/2021							
8/5/2021							
8/6/2021						4.2	
8/9/2021	1.6	5	84.7	0.77 (J)	<1		
8/10/2021							20.7
1/31/2022							
2/1/2022	1.5		86.1		<1		
2/2/2022		3.4		0.53 (J)		4.5	
2/3/2022							20.7
8/10/2022							
8/11/2022							
8/12/2022							
8/16/2022	7.8	3.5	58.5		<1	4.5	
8/17/2022				0.55 (J)			18.1
2/13/2023							
2/14/2023						6.3	
2/16/2023	38.9		115	0.58 (J)	<1		
2/17/2023		2.5					21.2

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-1 (bg)	GWA-2R (bg)
3/11/2016	144	69	139						
3/14/2016				106					
3/15/2016					78	110	107		
3/22/2016								150	
3/23/2016									174
3/28/2016									
4/4/2016									
5/11/2016				58			80		
5/12/2016						49			
5/13/2016	142	88			178				
5/16/2016			112						
5/19/2016								150	93
5/20/2016									
5/23/2016									
5/25/2016									
5/31/2016									
7/19/2016	135	56		46					
7/20/2016						72			
7/21/2016					168		76		
7/22/2016			136						
7/27/2016									
7/29/2016								146	68
8/1/2016									
8/4/2016									
9/15/2016				41		18 (J)			
9/16/2016	144	31							
9/19/2016			121				108		
9/21/2016					123				
9/22/2016									91
9/23/2016								163	
9/26/2016									
9/29/2016									
11/2/2016	152	48		37					
11/3/2016			132		157	70	90		
11/9/2016								147	
11/10/2016									96
11/11/2016									
11/28/2016									
1/17/2017			150		170		128		
1/18/2017	125	44		29		63			
1/30/2017								127	
1/31/2017									206
2/9/2017									
2/21/2017									
2/22/2017									
3/24/2017						63	91		
3/27/2017			148		158				
3/28/2017	109	<25		40					
3/30/2017								137	
4/3/2017									118
4/7/2017									
4/12/2017									

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-1 (bg)	GWA-2R (bg)
5/24/2017							152		
6/6/2017	154	36			212	128			
6/7/2017			181						
6/8/2017									
6/9/2017								164	87
6/12/2017									
6/14/2017									
6/16/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017	157	41			145	109			
9/25/2017									
9/26/2017			113	107			103		
9/29/2017									
10/2/2017								137	73
10/3/2017									
10/4/2017									
10/9/2017									
3/14/2018		<25	134	126	210	192	123		
3/15/2018	117								
3/16/2018								140	130
3/19/2018									
3/21/2018									
9/12/2018	151	<25		134	159	82	105		
9/14/2018			139						103
9/17/2018								162	
9/18/2018									
9/19/2018									
3/13/2019	152	31					130		
3/14/2019			157		157	119			
3/15/2019				107					
3/19/2019									208
3/20/2019								175	
3/21/2019									
3/23/2019									
9/9/2019				93			108		
9/10/2019			105		113	36			
9/11/2019	151	21							
9/12/2019								174	
9/13/2019									113
9/18/2019									
3/6/2020			143			137			
3/9/2020	174	51		58	249		131		
3/11/2020								172	170
3/12/2020									
3/13/2020									
9/10/2020			120	16	111	35			

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
3/11/2016							
3/14/2016							
3/15/2016							
3/22/2016							
3/23/2016	<25	259					
3/28/2016			<25	46			
4/4/2016					156		
5/11/2016							
5/12/2016							
5/13/2016							
5/16/2016						114 (D)	
5/19/2016							
5/20/2016		122					
5/23/2016	<25		32				
5/25/2016				57			
5/31/2016					192		
7/19/2016							
7/20/2016							
7/21/2016							
7/22/2016							
7/27/2016						107 (D)	
7/29/2016	17 (J)	156					
8/1/2016			<25	<25			
8/4/2016					269		
9/15/2016							
9/16/2016							
9/19/2016							
9/21/2016							
9/22/2016	33						
9/23/2016		150					
9/26/2016			45	60			
9/29/2016					288		
11/2/2016							
11/3/2016							
11/9/2016		87					
11/10/2016	41		38				
11/11/2016				13 (J)			
11/28/2016					224		
1/17/2017							
1/18/2017							
1/30/2017			<25	<25			
1/31/2017	58	63					
2/9/2017					386		
2/21/2017						229 (D)	
2/22/2017							329 (D)
3/24/2017							
3/27/2017						239 (D)	
3/28/2017							
3/30/2017	<25	112					
4/3/2017				100			
4/7/2017			18 (J)				295 (D)
4/12/2017					254		

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
5/24/2017							
6/6/2017							
6/7/2017							
6/8/2017						179 (D)	
6/9/2017							
6/12/2017	20 (J)	216	15 (J)	51			
6/14/2017							237 (D)
6/16/2017					309		
7/12/2017							400 (D)
7/17/2017						180 (D)	
7/20/2017							203 (D)
7/27/2017						190 (D)	
7/28/2017							262 (D)
8/9/2017						153 (D)	195 (D)
8/24/2017							236 (D)
9/22/2017							
9/25/2017							
9/26/2017							
9/29/2017						173 (D)	
10/2/2017		<25	17 (J)	32			
10/3/2017							224 (D)
10/4/2017	<25						
10/9/2017					269		
3/14/2018							
3/15/2018							
3/16/2018			<25	<25		150	
3/19/2018	<25	295					
3/21/2018					211		237
9/12/2018							
9/14/2018		30				165	
9/17/2018	32		38				
9/18/2018				15 (J)			227
9/19/2018					222		
3/13/2019							
3/14/2019						154	
3/15/2019							
3/19/2019			34	48			
3/20/2019	30	49					
3/21/2019							367 (D)
3/23/2019					135		
9/9/2019							
9/10/2019						181	
9/11/2019							
9/12/2019		44		46			200 (D)
9/13/2019	19		19				
9/18/2019					200		
3/6/2020							
3/9/2020						173	
3/11/2020	24	309	17	24			
3/12/2020							247
3/13/2020					143		
9/10/2020							

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
9/11/2020							
9/14/2020							
9/15/2020		28		12			
9/16/2020			20			156	
9/17/2020							223
9/22/2020					176		
3/10/2021							
3/11/2021							
3/12/2021							
3/16/2021						142	196
3/17/2021		211	<25	31			
3/18/2021					82		
3/29/2021	76						
8/4/2021							
8/5/2021							
8/6/2021						133	
8/9/2021	95	207	14	<25			
8/10/2021							238
8/11/2021					131		
1/31/2022							
2/1/2022		202	21				
2/2/2022	104			15		143	
2/3/2022							243
2/17/2022					119		
8/10/2022							
8/11/2022							
8/12/2022							
8/16/2022	85	182	<25			125	
8/17/2022				18 (J)			226
8/18/2022					132		
2/13/2023							
2/14/2023						149 (J)	
2/16/2023		267 (J)	<25	<25			
2/17/2023	117 (J)						252 (J)
2/22/2023					1020		

FIGURE J.

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH_units)	GWC-44	8.04	4.73	2/14/2023	3.95	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.73	2/14/2023	4.26	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	4.73	2/21/2023	4.59	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

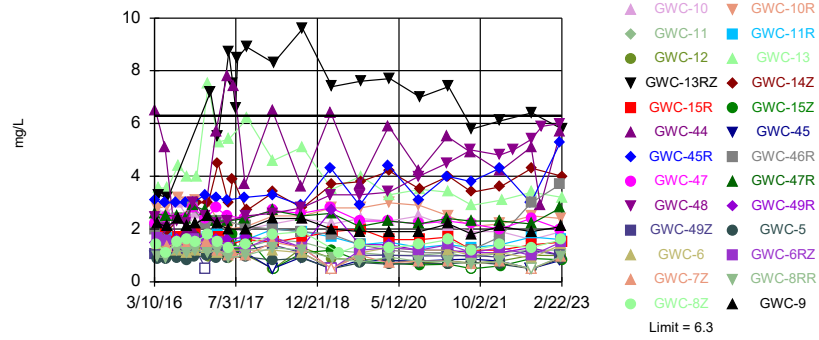
Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-10	6.3	n/a	2/20/2023	1.9	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10R	6.3	n/a	2/20/2023	2.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	6.3	n/a	2/20/2023	1.2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11R	6.3	n/a	2/20/2023	1.6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-12	6.3	n/a	2/21/2023	0.99J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13	6.3	n/a	2/22/2023	3.2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13RZ	6.3	n/a	2/22/2023	5.8	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14Z	6.3	n/a	2/22/2023	4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15R	6.3	n/a	2/22/2023	1.5	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15Z	6.3	n/a	2/22/2023	0.83J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-44	6.3	n/a	2/14/2023	5.7	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45	6.3	n/a	2/14/2023	0.81J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45R	6.3	n/a	2/14/2023	5.3	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-46R	6.3	n/a	2/14/2023	3.7	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47	6.3	n/a	2/14/2023	2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47R	6.3	n/a	2/14/2023	2.8	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-48	6.3	n/a	2/14/2023	6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49R	6.3	n/a	2/14/2023	1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49Z	6.3	n/a	2/14/2023	1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-5	6.3	n/a	2/20/2023	0.88J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6	6.3	n/a	2/17/2023	1.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6RZ	6.3	n/a	2/17/2023	1.5	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7Z	6.3	n/a	2/20/2023	0.94J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8RR	6.3	n/a	2/21/2023	0.97J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8Z	6.3	n/a	2/20/2023	1.6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-9	6.3	n/a	2/21/2023	2.1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10	8.04	4.73	2/20/2023	5.39	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10R	8.04	4.73	2/20/2023	7.08	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11	8.04	4.73	2/20/2023	5.52	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11R	8.04	4.73	2/20/2023	7.2	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-12	8.04	4.73	2/21/2023	6.18	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	4.73	2/22/2023	6.96	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13RZ	8.04	4.73	2/22/2023	7.15	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-14Z	8.04	4.73	2/22/2023	5.97	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15R	8.04	4.73	2/22/2023	7.32	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15Z	8.04	4.73	2/22/2023	7.49	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	4.73	2/14/2023	3.95	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.73	2/14/2023	4.26	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45R	8.04	4.73	2/14/2023	6.71	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-46R	8.04	4.73	2/14/2023	7.49	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47	8.04	4.73	2/14/2023	7.2	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47R	8.04	4.73	2/14/2023	7.38	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	4.73	2/14/2023	4.75	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49R	8.04	4.73	2/14/2023	7.75	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49Z	8.04	4.73	2/14/2023	5.15	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-5	8.04	4.73	2/20/2023	5.78	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6	8.04	4.73	2/17/2023	7.11	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6RZ	8.04	4.73	2/17/2023	6.41	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-7Z	8.04	4.73	2/20/2023	7.4	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8RR	8.04	4.73	2/21/2023	7.88	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8Z	8.04	4.73	2/20/2023	6.87	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	4.73	2/21/2023	4.59	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
 Interwell Non-parametric

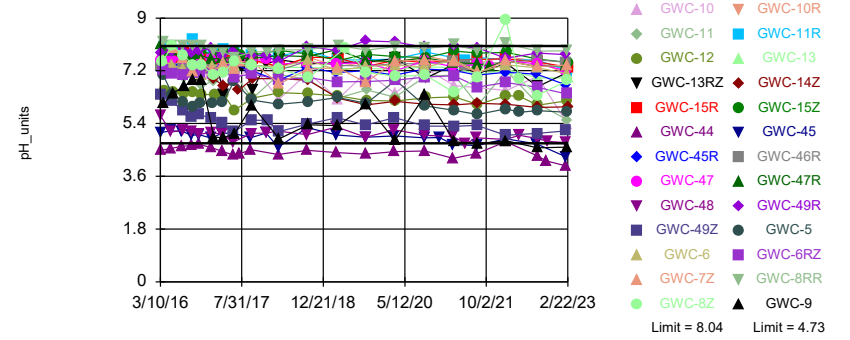


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 300 background values. 2.667% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Chloride, Total Analysis Run 3/31/2023 12:21 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limits: GWC-44, GWC-45, GWC-9

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 310 background values. Annual per-constituent alpha = 0.005086. Individual comparison alpha = 0.00009793 (1 of 2). Comparing 26 points to limit.

Constituent: pH Analysis Run 3/31/2023 12:21 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47R	GWC-46R	GWC-48	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-41R (bg)
3/27/2019									
5/6/2019									
9/9/2019								1.2	
9/10/2019					2				1.7
9/11/2019		2.1	1.4	3.3		3.1	1.3		
9/12/2019	2.3								
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020					2.7				
3/9/2020	2.3	2.3		3.4		2.2	1.2	1.2	1.3
3/10/2020			1.2						
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020					2			1.2	1.4
9/11/2020							1.3		
9/14/2020	2.2		1.1	4		3.3			
9/15/2020		2.2							
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021									1.6
3/11/2021	2.3	2.4	1.1	4.5	2.5	2.7	1.3		
3/12/2021								1.2	
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021				5	2.3			1.1	1.3
8/5/2021	2.2	2.3	1.2			1.9			
8/6/2021							1.3		
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
1/31/2022			1.7	4.8	2	1.7	1.1	1	1
2/1/2022	2	2.3							
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022				5					
8/10/2022					1.8	1.7		0.93 (J)	
8/11/2022							1.4		1.4

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWA-41 (bg)	GWC-44	GWC-45R	GWC-45	GWC-49Z	GWC-49R	GWA-1 (bg)	GWC-8Z
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016	1.2	1.6	2	3 (D)					
11/4/2016					1 (D)		1.6		
11/7/2016						1.4			
11/9/2016								2	
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									1.5
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017	1								
1/18/2017		1.5							
1/19/2017			2.6						
1/20/2017				3.3 (D)					
1/23/2017					1.2 (D)				
1/24/2017						<1 (*)	1.7		
1/30/2017								1.5	
1/31/2017									
2/1/2017									
2/3/2017									1.8
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017	1.2	1.4							
3/27/2017									
3/28/2017			5.7						
3/29/2017				3.2 (D)	1.1 (D)		1.6		
3/30/2017						1.2		1.8	
4/3/2017									
4/6/2017									
4/7/2017									1.5
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017	1.5								
6/5/2017			7.8						
6/6/2017		2.8							
6/7/2017				3.1	1				
6/8/2017							1.6		
6/9/2017						1.1		1.6	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWA-41 (bg)	GWC-44	GWC-45R	GWC-45	GWC-49Z	GWC-49R	GWA-1 (bg)	GWC-8Z
6/12/2017									
6/13/2017									1.3
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017			7.4						
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017		1.8							
9/26/2017	2.4		3.7						
9/27/2017				3.2	1.1				
9/29/2017						1.2	1.7		
10/2/2017								1.6	
10/3/2017									1.4
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017	3.9 (Y)								
3/14/2018	2.4	3							
3/15/2018			6.5	3.3	<1	1.4	1.6		
3/16/2018								1.7	
3/19/2018									
3/20/2018									1.8
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	1	1.4	3.6						
9/13/2018				2.9	0.93		1.3		
9/14/2018						1.1			
9/17/2018								1.55 (D)	
9/18/2018									1.9
9/19/2018									
9/20/2018									
3/13/2019	2.2								
3/14/2019		2.6	6.4	4.3 (D)	<1 (D)				
3/15/2019									
3/18/2019							2.7		
3/19/2019						<1			
3/20/2019								<1	
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWA-41 (bg)	GWC-44	GWC-45R	GWC-45	GWC-49Z	GWC-49R	GWA-1 (bg)	GWC-8Z
3/27/2019									
5/6/2019									1.1
9/9/2019	0.83 (X)								
9/10/2019		1.1							
9/11/2019			3.7	2.9 (D)	0.81 (JXD)	1	1.4		
9/12/2019								1.3	
9/13/2019									
9/16/2019									1.4
9/17/2019									
9/18/2019									
3/6/2020		1.3							
3/9/2020	1.5					1			
3/10/2020			5.9	4.4	0.8 (J)				
3/11/2020							1.4	1.4	
3/12/2020									
3/13/2020									
3/16/2020									1.3
3/17/2020									
9/10/2020		1.2							
9/11/2020	0.77 (J)			3.1	0.79 (J)		1.2		
9/14/2020						0.98 (J)			
9/15/2020			4.2					1.3	
9/16/2020									
9/17/2020									1.4
9/21/2020									
9/22/2020									
3/10/2021	0.97 (J)								
3/11/2021		1.5	5.5	4	0.83 (J)				
3/12/2021									
3/15/2021						0.98 (J)	1.2		
3/16/2021								1.3	
3/17/2021									
3/18/2021									1.6
3/19/2021									
3/29/2021									
8/4/2021	0.82 (J)	1.2	4.9						
8/5/2021						1			
8/6/2021				3.8	0.86 (J)				
8/9/2021								1.3	
8/10/2021									1.2
8/11/2021							1.1		
8/12/2021									
1/31/2022	0.71 (J)	1	4.2						
2/1/2022				4.3	0.79 (J)	0.93 (J)	1.1	1.2	
2/2/2022									1.4
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022									
8/11/2022		1.3							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWA-41 (bg)	GWC-44	GWC-45R	GWC-45	GWC-49Z	GWC-49R	GWA-1 (bg)	GWC-8Z
8/12/2022	<1			3	<1				
8/15/2022			5.1			1.2	1.3		
8/16/2022								0.99 (J)	
8/17/2022									1.3
8/18/2022									
8/19/2022									
10/11/2022			2.9 (R)						
10/21/2022									
2/13/2023	1.1	1.6							
2/14/2023			5.7	5.3	0.81 (J)	1	1		
2/16/2023								1.2	
2/17/2023									
2/20/2023									1.6
2/21/2023									
2/22/2023									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-8RR
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	2.4904	1.6092	0.9079						
3/28/2016				1.14	0.9204	0.8659			
3/29/2016							1.3977	1.6645	
3/30/2016									0.9409
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016			0.9136						
5/20/2016	1.71								
5/23/2016		1.52		1.19					
5/24/2016							1.33	1.58	0.92
5/25/2016					1.04	0.8639			
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	2	1.5	1.1						
8/1/2016				1.2	0.85	0.93	1.2	1.4	
8/2/2016									1.2
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016		1.4	1						
9/23/2016	1.8								
9/26/2016				1.1	0.87		1.1	1.4	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-8RR
9/27/2016						0.8			1.1
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016	1.6								
11/10/2016		1.6	1.2	1.3					
11/11/2016					0.99	0.95			
11/14/2016								1.6	
11/18/2016							1.2		
11/21/2016									
11/22/2016									1.2
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017				1.2	0.95				
1/31/2017	1.3	1.6	1.2			0.99			
2/1/2017							1.3	1.4	
2/3/2017									
2/6/2017									1.1
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	1.6	1.4							
4/3/2017			0.99		0.88	0.93			
4/6/2017							1.1	1.5	1.2
4/7/2017				1.2					
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017			0.87						

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-8RR
6/12/2017	1.6	1.4		1.1	0.83	0.91			
6/13/2017							1.2	1.3	
6/14/2017									0.92
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	0.94		1	1.2	0.94				
10/3/2017						0.95	1.2	1.3	
10/4/2017		1.5							1
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017									
3/14/2018									
3/15/2018									
3/16/2018			1.6	1.4	<1				
3/19/2018	1.9	1.5				0.82	1.2		
3/20/2018								1.7	
3/21/2018									1.3
3/22/2018									
3/23/2018									
9/12/2018									
9/13/2018									
9/14/2018	0.98		0.92						
9/17/2018		1.5		1.1		0.9	1.1	1.3	
9/18/2018					1				1.2
9/19/2018									
9/20/2018									
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019			2	<1	<1				
3/20/2019	<1	<1				<1			
3/21/2019							<1	<1	
3/22/2019									
3/23/2019									
3/25/2019									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-8RR
8/12/2022									
8/15/2022									
8/16/2022	1.1	2.5	0.82 (J)	0.69 (J)		<1			
8/17/2022					<1		0.89 (J)	0.99 (J)	<1
8/18/2022									
8/19/2022									
10/11/2022									
10/21/2022									
2/13/2023									
2/14/2023									
2/16/2023	1.6		1.9	0.91 (J)	0.71 (J)				
2/17/2023		6.3					1.4	1.5	
2/20/2023						0.88 (J)			
2/21/2023									0.97 (J)
2/22/2023									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13RZ	GWC-13	GWC-15R
6/12/2017									
6/13/2017	2								
6/14/2017		1.9	2			0.89			
6/15/2017				1.2	1.5				1.4
6/16/2017							8.7	5.4	
7/12/2017							7.5		
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017							6.6		
8/9/2017									
8/10/2017							8.5		
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017									
10/3/2017	2								
10/4/2017		2	2.1	1.3	1.6	1			
10/5/2017									
10/6/2017							8.9		1.6
10/9/2017								6.2	
12/28/2017									
3/14/2018									
3/15/2018									
3/16/2018									
3/19/2018									
3/20/2018	2.4	2.2							
3/21/2018			2.5	1.6				4.6	
3/22/2018					2	<1			
3/23/2018							8.3		1.5
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018									
9/18/2018	2.4 (D)	2.4	2.5	1.5	1.9	1.3			
9/19/2018								5.1	1.7
9/20/2018							9.6		
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019	2								
3/22/2019		2.2	2.8				7.4		
3/23/2019				1.2	1.7	0.88		3.5	
3/25/2019									1.9

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13RZ	GWC-13	GWC-15R
8/12/2022									
8/15/2022									
8/16/2022									
8/17/2022	1.9	1.6							
8/18/2022			2.5 (J)	1.2	1.7	1		3.4	
8/19/2022							6.4		1.4
10/11/2022									
10/21/2022									
2/13/2023									
2/14/2023									
2/16/2023									
2/17/2023									
2/20/2023		1.9	2.4	1.2	1.6				
2/21/2023	2.1					0.99 (J)			
2/22/2023							5.8	3.2	1.5

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-15Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016					
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016	1.93	0.9439			
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			1.74 (D)		
5/17/2016					
5/18/2016					
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016		1		1.33	
6/1/2016	1.93				
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016			2.1 (D)		
7/28/2016					
7/29/2016					
8/1/2016					
8/2/2016				1.5	
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016	2.4				
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016					
9/22/2016					
9/23/2016					
9/26/2016					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-15Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
9/27/2016				1.4	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016					
11/7/2016					
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				1.5	
11/22/2016					
11/23/2016		1.7			
11/28/2016	3				
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017					
1/30/2017					
1/31/2017					
2/1/2017				1.5	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017	3				
2/10/2017		1.6			
2/13/2017					
2/21/2017			4 (D)		
2/22/2017					3.7 (D)
3/24/2017					
3/27/2017			2.6 (D)		
3/28/2017					
3/29/2017					
3/30/2017					
4/3/2017					
4/6/2017				1.2	
4/7/2017					2.5 (D)
4/10/2017					
4/11/2017	4.5	1.5			
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017			2.1 (D)		
6/9/2017					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-15Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
6/12/2017					
6/13/2017				0.98	
6/14/2017	3				2.6 (D)
6/15/2017		1			
6/16/2017					
7/12/2017	3.9	1.8			2.8 (D)
7/14/2017				1.1	
7/17/2017			1.9 (D)		
7/20/2017					2.3 (D)
7/26/2017		1.2			
7/27/2017			3 (D)		
7/28/2017					2 (D)
8/9/2017			2.5 (D)		1.8 (D)
8/10/2017					
8/24/2017					2.9 (D)
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017			2.7 (D)		
10/2/2017					
10/3/2017				1	2.8 (D)
10/4/2017					
10/5/2017	2.7				
10/6/2017		1.7			
10/9/2017					
12/28/2017					
3/14/2018					
3/15/2018					
3/16/2018			2.6		
3/19/2018					
3/20/2018				1.5	
3/21/2018					2.9
3/22/2018	3.4				
3/23/2018		<1			
9/12/2018					
9/13/2018					
9/14/2018			1.9		
9/17/2018					
9/18/2018				1.3	3.1
9/19/2018	2.8	1.1			
9/20/2018					
3/13/2019					
3/14/2019			2.8		
3/15/2019					
3/18/2019					
3/19/2019					
3/20/2019					
3/21/2019				<1	3.6 (D)
3/22/2019	3.7	1.2			
3/23/2019					
3/25/2019					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-15Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019			2.3		
9/11/2019					
9/12/2019					2.1 (D)
9/13/2019				1	
9/16/2019					
9/17/2019	3.8	0.78 (X)			
9/18/2019					
3/6/2020					
3/9/2020			1.5		
3/10/2020					
3/11/2020					
3/12/2020				0.72 (J)	2.3
3/13/2020	4.2	0.7 (J)			
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020					
9/14/2020					
9/15/2020					
9/16/2020			1.7	0.79 (J)	
9/17/2020					2.4
9/21/2020	3.5	0.64 (J)			
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021					
3/16/2021			1.3		2.7
3/17/2021				0.79 (J)	
3/18/2021	4	0.67 (J)			
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021					
8/6/2021			1.3		
8/9/2021					
8/10/2021				0.68 (J)	2.8
8/11/2021	3.4	<1			
8/12/2021					
1/31/2022					
2/1/2022					
2/2/2022			1.5	0.76 (J)	
2/3/2022					2.6
2/4/2022	3.6				
2/7/2022		0.6 (J)			
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-15Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/12/2022					
8/15/2022					
8/16/2022			1.6		
8/17/2022				<1	2.6
8/18/2022	4.3				
8/19/2022		0.88 (J)			
10/11/2022					
10/21/2022					
2/13/2023					
2/14/2023			1.6		
2/16/2023					
2/17/2023					3
2/20/2023				0.94 (J)	
2/21/2023					
2/22/2023	4	0.83 (J)			

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-47R	GWC-47	GWC-46R	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/11/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/19/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/8/2017									
8/9/2017									
8/10/2017									
8/23/2017									
8/24/2017									
9/22/2017					7.8	5.77			
9/25/2017									6.63
9/26/2017							7.59	7.05	
9/27/2017		7.62	7.55						
9/29/2017	5.06			7.42					
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017	5.07 (Y)		7.59 (Y)		7.78 (Y)			6.79 (Y)	
12/29/2017									
1/9/2018									
1/10/2018									
3/14/2018						5.85	7.6	7.42	7.08
3/15/2018	5.14		7.42	7.22	7.66				
3/16/2018		7.72							
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018					7.75	5.65		6.86	6.54
9/13/2018	5.02	7.68	7.49	7.52					
9/14/2018							7.37		
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019					7.84	5.63			
3/14/2019							7.57		6.58
3/15/2019	5.28		7.45					6.78	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-47R	GWC-47	GWC-46R	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)
3/18/2019				7.39					
3/19/2019		7.93							
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019								6.49	
9/10/2019							7.53		5.66
9/11/2019	4.93	7.55		7.36	7.75	5.53			
9/12/2019			7.48						
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020							7.42		6.82
3/9/2020	5.18	7.51	7.19		7.73	5.5		5.9	
3/10/2020				7.44					
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020							7.48	5.53	6.4
9/11/2020						6.25			
9/14/2020	5		7.54	7.43	7.76				
9/15/2020		7.64							
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
12/15/2020									
3/10/2021									
3/11/2021	4.95	7.48	7.34	7.53	7.81	5.55	7.53		6.8
3/12/2021								6.39	
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
5/26/2021	4.72			7.39					
8/4/2021	4.91						7.35	6.21	6.34
8/5/2021		7.45	7.41	7.44	7.75				
8/6/2021						5.52			
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
10/28/2021		7.36	7.34						

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWA-41R (bg)	GWC-45R	GWC-45	GWC-44	GWC-49Z	GWC-49R	GWC-8Z	GWA-1 (bg)
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016	7.13	7.4	7.52		4.69				
11/4/2016				5.02			7.89		
11/7/2016						5.71			
11/9/2016									7.45
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016								7.4	
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017	7.51	7.06							
1/18/2017									
1/19/2017					4.58				
1/20/2017			7.3						
1/23/2017				4.9					
1/24/2017						5.58	7.97		
1/30/2017									7.64
1/31/2017									
2/1/2017									
2/3/2017								7.05	
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017	7.55								
3/27/2017		7.13							
3/28/2017					4.45				
3/29/2017			7.29	5.08			7.71		
3/30/2017						5.44			7.51
4/3/2017									
4/6/2017									
4/7/2017								7.14	
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017	7.6								
6/5/2017					4.33				
6/6/2017		7.18							
6/7/2017			7.43	5.06					
6/8/2017							7.86		
6/9/2017						5.11			7.6

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWC-5	GWA-50R (bg)	GWC-6	GWC-6RZ	GWC-8RR
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	7.45	5.96	6.7						
3/28/2016				6.22	7.04	6.45			
3/29/2016							7.54	7.24	
3/30/2016									8.2
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016	7.5								
5/20/2016			6.36						
5/23/2016		5.73		5.86					
5/24/2016							7.39	7.1	8.07
5/25/2016					6.39	6.96			
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	7.59	5.51	6.75						
8/1/2016				6.39	6.13	5.64	7.26	7.07	
8/2/2016									8.07
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016	7.44	5.45							
9/23/2016			6.62						
9/26/2016				5.74		6.26	7.19	7.15	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-10R	GWC-10	GWC-11R	GWC-13	GWC-11	GWC-12	GWC-15Z	GWC-15R
1/31/2022									
2/1/2022									
2/2/2022	4.81						6.35		
2/3/2022									
2/4/2022		7.69	6.53	7.58		7.2			7.61
2/7/2022								7.83	
2/17/2022					7.24				
4/28/2022							6.33		
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022									
8/17/2022	4.57		7.01						
8/18/2022		7.52		7.57	6.95	6.08	6.03		
8/19/2022								7.6	7.5
10/11/2022									
10/21/2022									
2/13/2023									
2/14/2023									
2/16/2023									
2/17/2023									
2/20/2023		7.08	5.39	7.2		5.52			
2/21/2023	4.59						6.18		
2/22/2023					6.96			7.49	7.32

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWA-4RZ (bg)	GWC-13RZ
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016					
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					8.56 (o)
4/5/2016			10.61 (o)		
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016	7.61 (D)				
5/17/2016					
5/18/2016					
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016		7.98			
6/1/2016			10.32 (o)		9.83 (o)
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016	7.51 (D)				
7/28/2016					
7/29/2016					
8/1/2016					
8/2/2016		7.64			
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016			8.23 (o)		
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016					
9/22/2016					
9/23/2016					
9/26/2016					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWA-4RZ (bg)	GWC-13RZ
9/27/2016		7.18			
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016					
11/7/2016					
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016		7.49			
11/22/2016					
11/23/2016					
11/28/2016			7.29		
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017					
1/30/2017					
1/31/2017					
2/1/2017		7.2			
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017			6.91		
2/10/2017					
2/13/2017					
2/21/2017	7.76 (D)				
2/22/2017				7.38 (D)	7.45
3/24/2017					
3/27/2017	7.7 (D)				
3/28/2017					
3/29/2017					
3/30/2017					
4/3/2017					
4/6/2017		7.42			
4/7/2017				7.35 (D)	
4/10/2017					
4/11/2017			6.68		6.37
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017	7.69 (D)				
6/9/2017					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWA-4RZ (bg)	GWC-13RZ
6/12/2017					
6/13/2017		7.25			
6/14/2017			6.84	7.3 (D)	
6/15/2017					
6/16/2017					7.33
7/11/2017				7.39	
7/12/2017			6.54	7.39 (D)	7.46
7/14/2017		7.5			
7/17/2017	7.57 (D)				
7/19/2017				7.44	
7/20/2017				7.44 (D)	
7/26/2017	7.63				
7/27/2017	7.63			7.5	7.37
7/28/2017				7.5	7.37
8/8/2017	7.73			7.52	
8/9/2017	7.73			7.52	7.38
8/10/2017					7.38
8/23/2017				7.5	
8/24/2017				7.5	
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	7.7 (D)				
10/2/2017					
10/3/2017		7.5		7.51 (D)	
10/4/2017					
10/5/2017			6.93		
10/6/2017					6.55
10/9/2017					
12/28/2017				7.32 (Y)	7.43 (Y)
12/29/2017					
1/9/2018					
1/10/2018					
3/14/2018					
3/15/2018					
3/16/2018	7.49				
3/19/2018					
3/20/2018		6.76			
3/21/2018				7.3	
3/22/2018			6.93		
3/23/2018					7.58
9/12/2018					
9/13/2018					
9/14/2018	7.32				
9/17/2018					
9/18/2018		7.26		7.26	
9/19/2018			6.88		
9/20/2018					7.43
3/13/2019					
3/14/2019	7.46				
3/15/2019					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWA-4RZ (bg)	GWC-13RZ
3/18/2019					
3/19/2019					
3/20/2019					
3/21/2019		7.3		7.28 (D)	
3/22/2019			6.27		7.49
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019	7.48				
9/11/2019					
9/12/2019				7.2 (D)	
9/13/2019		6.8			
9/16/2019					
9/17/2019			6.04		
9/18/2019					7.5
3/6/2020					
3/9/2020	7.68				
3/10/2020					
3/11/2020					
3/12/2020		7.53		7.55	
3/13/2020			6.16		
3/16/2020					
3/17/2020					7.62
9/10/2020					
9/11/2020					
9/14/2020					
9/15/2020					
9/16/2020	7.68	7.56			
9/17/2020				7.42	
9/21/2020			6.06		
9/22/2020					6.95
12/15/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021					
3/16/2021	7.85			7.4	
3/17/2021		7.52			
3/18/2021			6.04		
3/19/2021					7.42
3/29/2021					
5/26/2021					
8/4/2021					
8/5/2021					
8/6/2021	7.09				
8/9/2021					
8/10/2021		7.13		7.2	
8/11/2021			6.09		
8/12/2021					7.11
10/28/2021					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWA-4RZ (bg)	GWC-13RZ
1/31/2022					
2/1/2022					
2/2/2022	6.89	7.54			
2/3/2022				7.2	
2/4/2022			6.06		7.46
2/7/2022					
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022					
8/16/2022	7.45				
8/17/2022		7.34		6.49	
8/18/2022			5.95		
8/19/2022					6.66
10/11/2022					
10/21/2022					
2/13/2023					
2/14/2023	7.48				
2/16/2023					
2/17/2023				6.98	
2/20/2023		7.4			
2/21/2023					
2/22/2023			5.97		7.15

FIGURE K.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-1 (bg)	0.7099	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2R (bg)	3.533	94	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-42 (bg)	1.166	118	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43 (bg)	-1.324	-127	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-4RZ (bg)	1.477	83	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50R (bg)	-0.5529	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-45R	1.944	112	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.02937	-92	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08025	-96	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.07	-98	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.09802	-91	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1449	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1017	-117	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.1457	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05445	-105	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.05745	-129	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-9	-0.2073	-105	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-1 (bg)	-0.1981	-142	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39Z (bg)	-0.7464	-121	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43R (bg)	-0.6329	-88	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50R (bg)	-0.0917	-105	-81	Yes	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-45R	0.3351	90	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43 (bg)	-4.009	-86	-81	Yes	20	15	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-1 (bg)	0.7099	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2 (bg)	3.025	34	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2R (bg)	3.533	94	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-39RZ (bg)	0.009273	3	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-39Z (bg)	0.1302	6	87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-3A (bg)	0.1539	22	74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-40 (bg)	-0.2282	-27	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-41 (bg)	0.4269	22	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-41R (bg)	0.07606	5	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-42 (bg)	1.166	118	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43 (bg)	-1.324	-127	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43R (bg)	0.5773	83	87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-4RZ (bg)	1.477	83	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50 (bg)	-0.1015	-76	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50R (bg)	-0.5529	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-45R	1.944	112	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.02937	-92	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2 (bg)	-0.01046	-15	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08025	-96	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39RZ (bg)	-0.03559	-68	-92	No	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39Z (bg)	-0.04078	-28	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-3A (bg)	-0.01772	-7	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.07	-98	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41 (bg)	-0.04957	-47	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.09802	-91	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-42 (bg)	-0.03284	-68	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1449	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43R (bg)	-0.007213	-29	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-4RZ (bg)	-0.03583	-82	-118	No	26	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1017	-117	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.1457	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05445	-105	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.05745	-129	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-9	-0.2073	-105	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-1 (bg)	-0.1981	-142	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-2 (bg)	3.418	24	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-2R (bg)	0.477	49	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39RZ (bg)	-0.9006	-42	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39Z (bg)	-0.7464	-121	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-3A (bg)	0.05533	10	74	No	19	10.53	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-40 (bg)	0.01668	13	87	No	21	4.762	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-41 (bg)	0.04258	20	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-41R (bg)	0.5682	62	81	No	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-42 (bg)	-0.03222	-18	-81	No	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43 (bg)	-0.01969	-36	-81	No	20	40	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43R (bg)	-0.6329	-88	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-4RZ (bg)	0.1435	21	87	No	21	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50 (bg)	0.03359	52	81	No	20	40	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50R (bg)	-0.0917	-105	-81	Yes	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-45R	0.3351	90	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-1 (bg)	1.275	24	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-2 (bg)	6.246	8	81	No	20	5	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-2R (bg)	5.089	42	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-39RZ (bg)	-7.475	-59	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-39Z (bg)	0.5237	7	74	No	19	0	n/a	n/a	0.01	NP

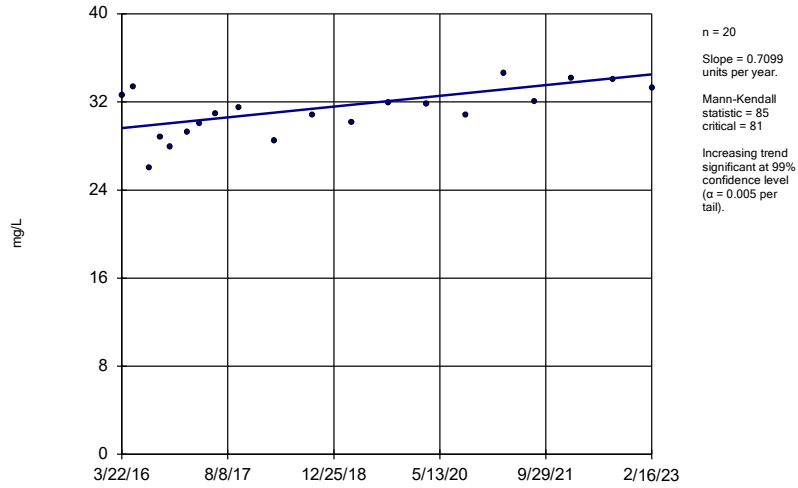
Appendix III Trend Tests - Prediction Limit Exceedances - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Total Dissolved Solids [TDS] (mg/l)	GWA-3A (bg)	9.481	67	74	No	19	26.32	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-40 (bg)	0.9167	10	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-41 (bg)	2.151	19	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-41R (bg)	1.424	20	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-42 (bg)	0.8627	11	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43 (bg)	-4.009	-86	-81	Yes	20	15	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43R (bg)	-1.172	-12	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-4RZ (bg)	-4.716	-29	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-50 (bg)	-0.9754	-37	-81	No	20	35	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-50R (bg)	-3.458	-62	-81	No	20	25	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWC-13	-22.1	-65	-81	No	20	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

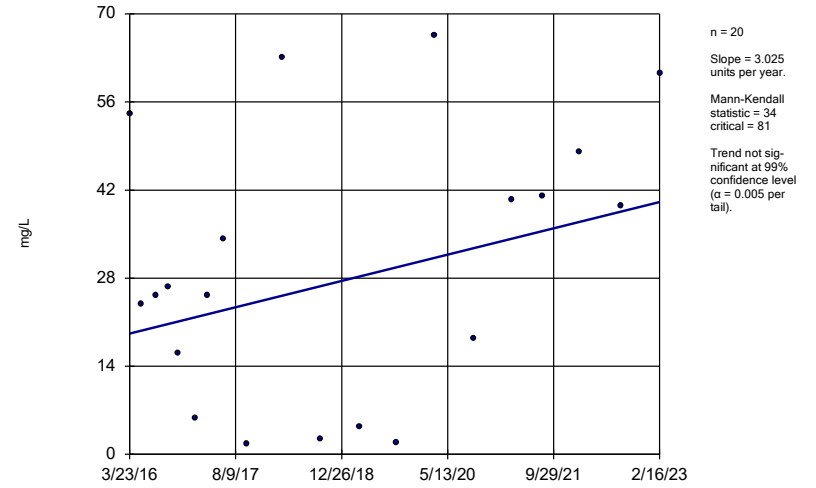
GWA-1 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

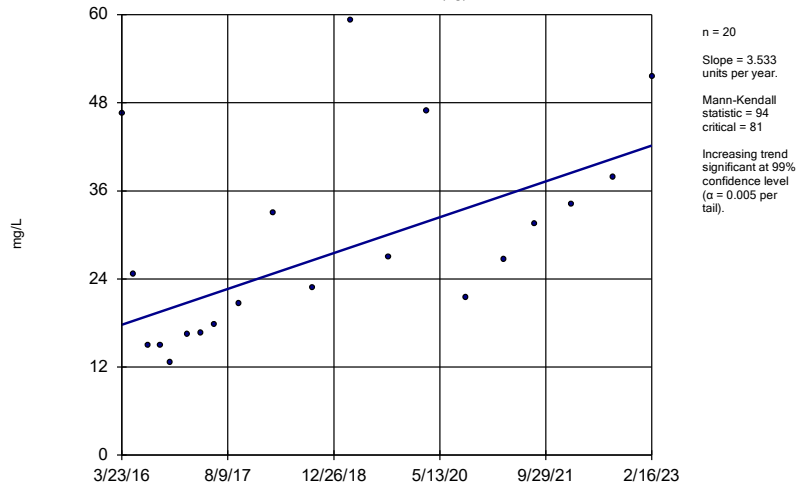
GWA-2 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

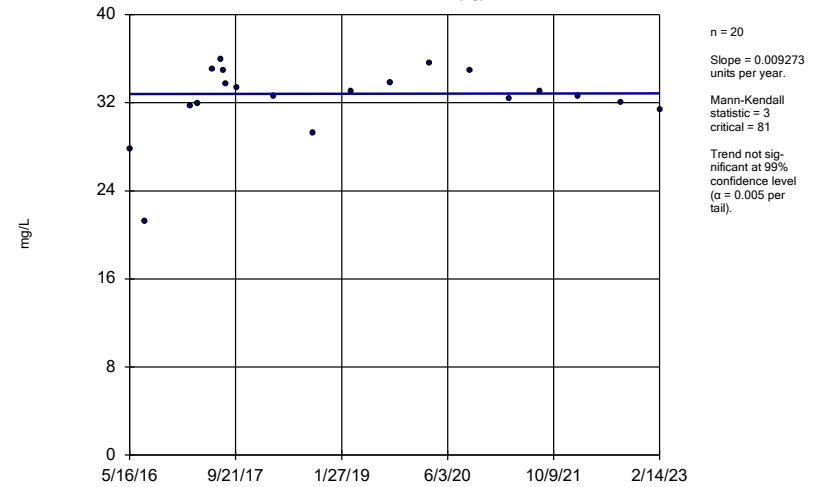
GWA-2R (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

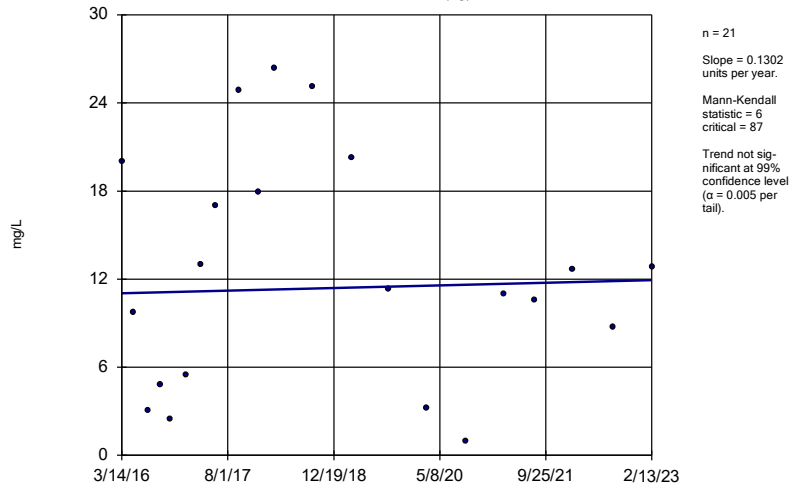
GWA-39RZ (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

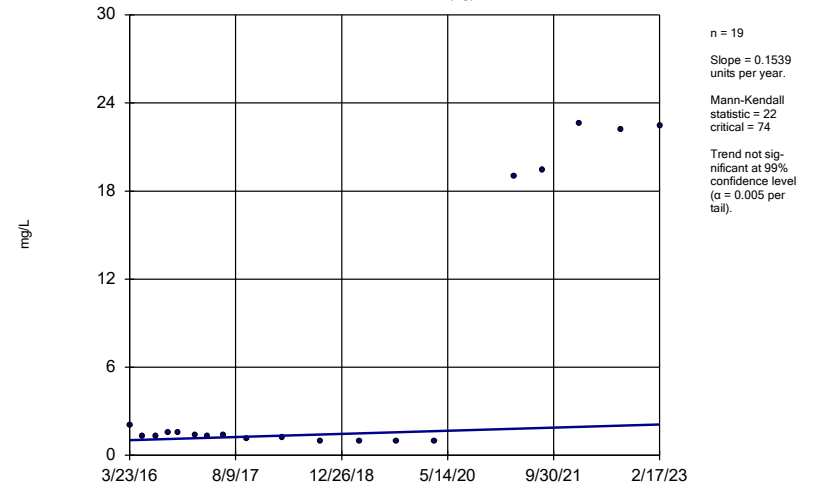
GWA-39Z (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

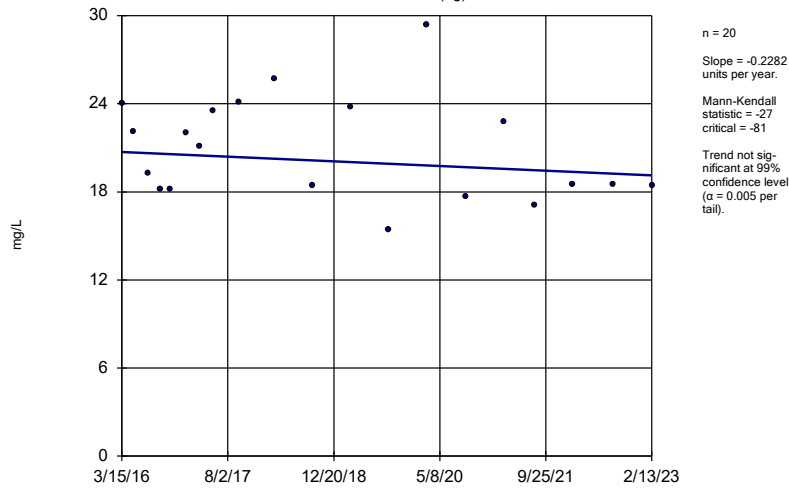
GWA-3A (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

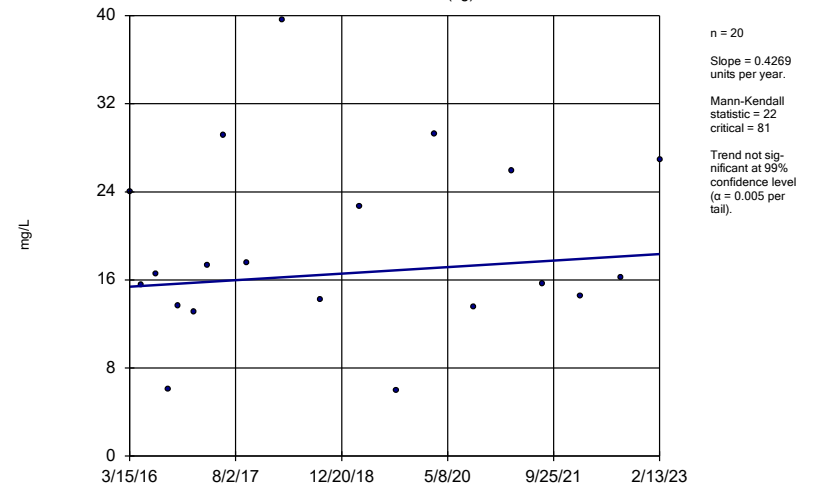
GWA-40 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

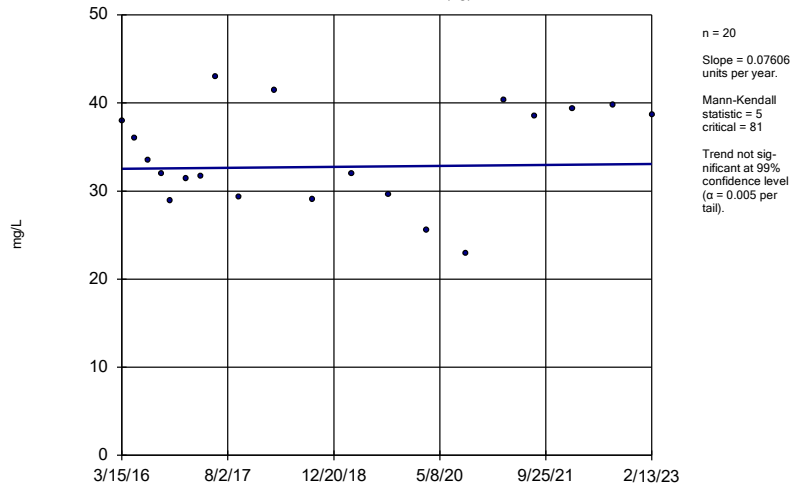
GWA-41 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

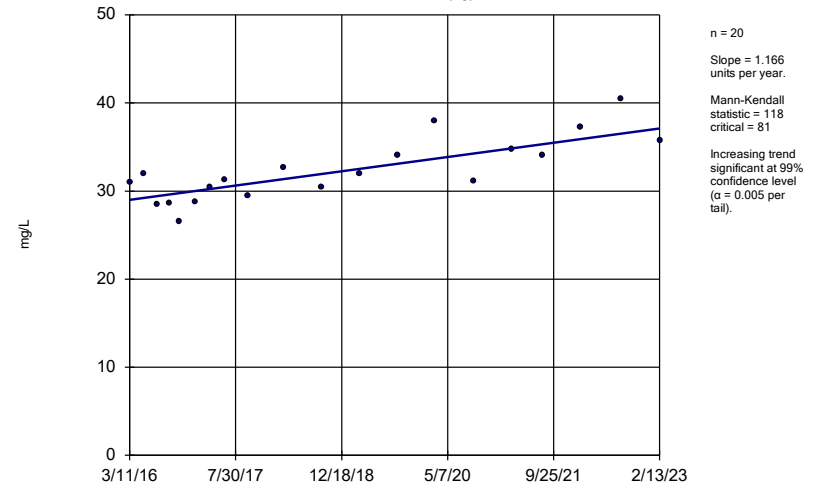
GWA-41R (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

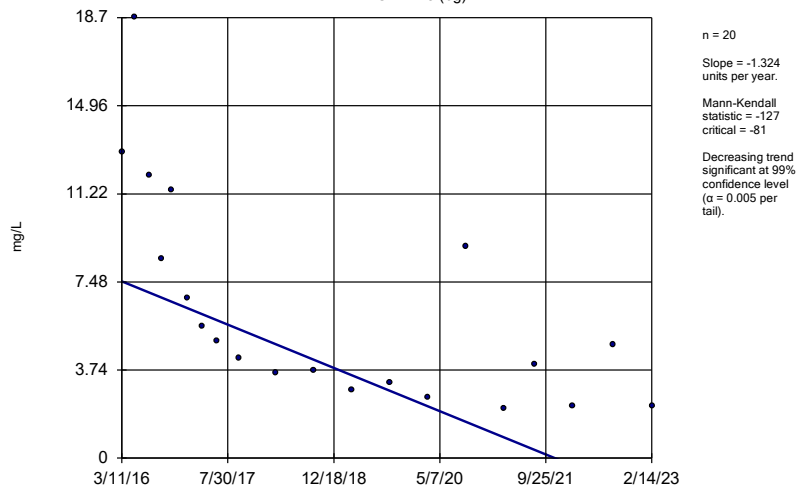
GWA-42 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

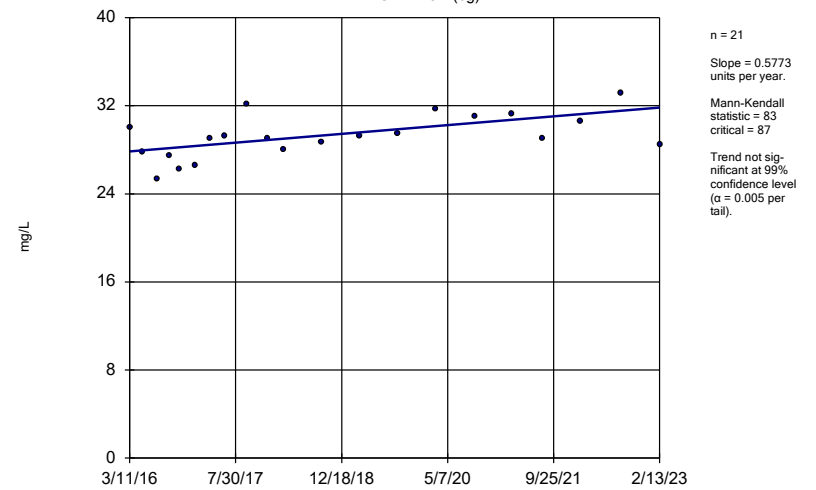
GWA-43 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

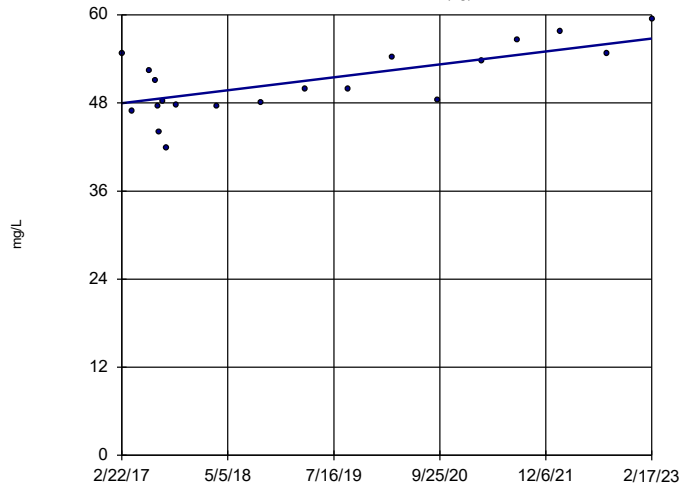
GWA-43R (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-4RZ (bg)

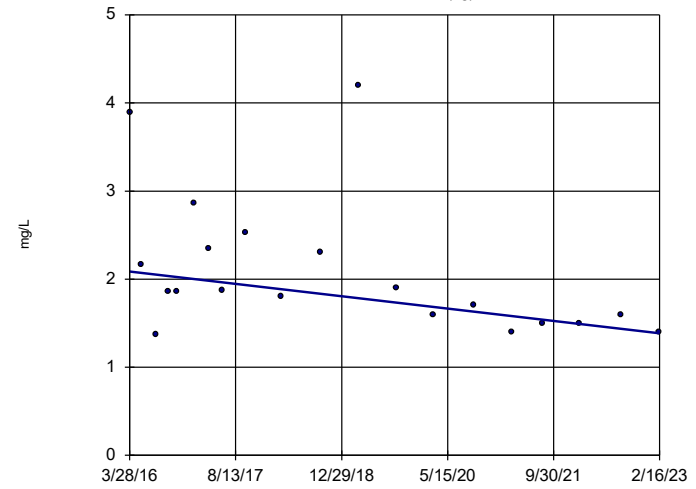


n = 20
 Slope = 1.477 units per year.
 Mann-Kendall statistic = 83
 critical = 81
 Increasing trend significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50 (bg)

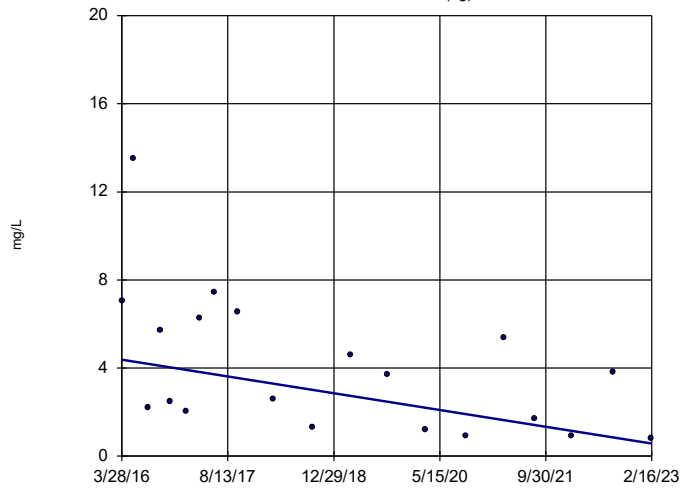


n = 20
 Slope = -0.1015 units per year.
 Mann-Kendall statistic = -76
 critical = -81
 Trend not significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50R (bg)

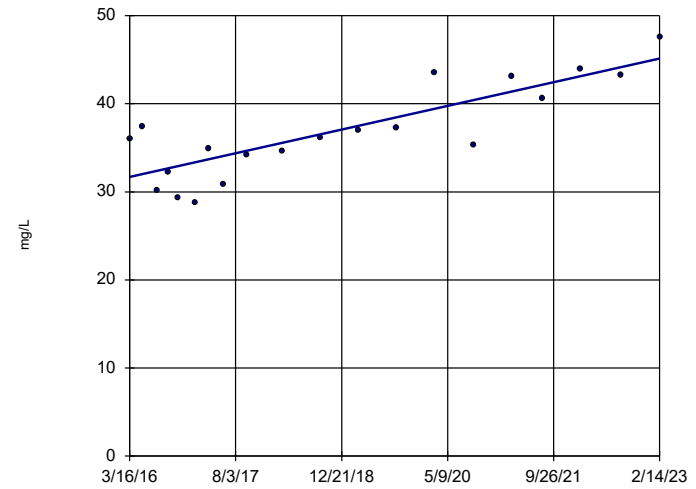


n = 20
 Slope = -0.5529 units per year.
 Mann-Kendall statistic = -84
 critical = -81
 Decreasing trend significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-45R

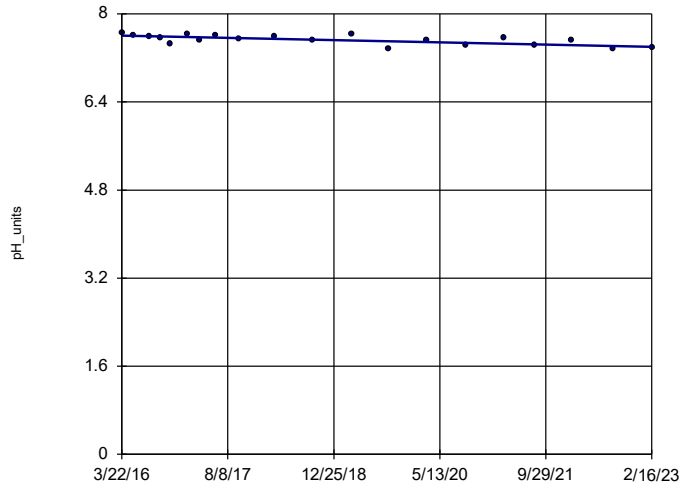


n = 20
 Slope = 1.944 units per year.
 Mann-Kendall statistic = 112
 critical = 81
 Increasing trend significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-1 (bg)

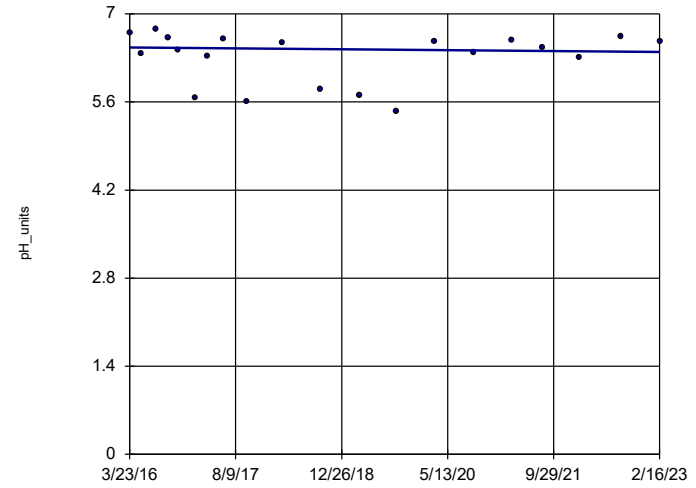


n = 20
 Slope = -0.02937
 units per year.
 Mann-Kendall
 statistic = -92
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

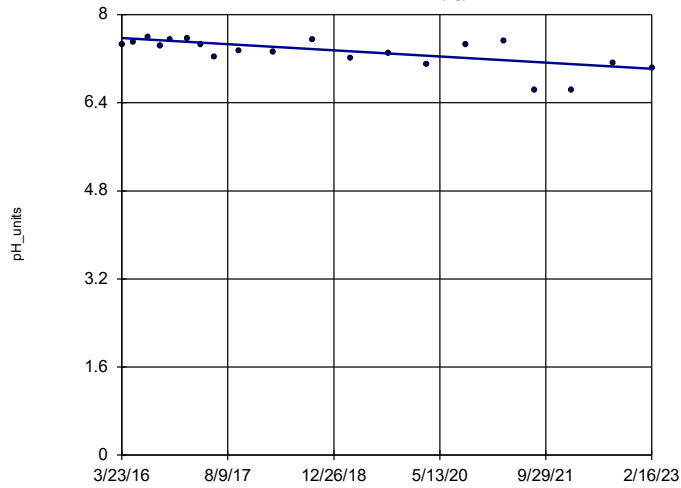


n = 20
 Slope = -0.01046
 units per year.
 Mann-Kendall
 statistic = -15
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2R (bg)

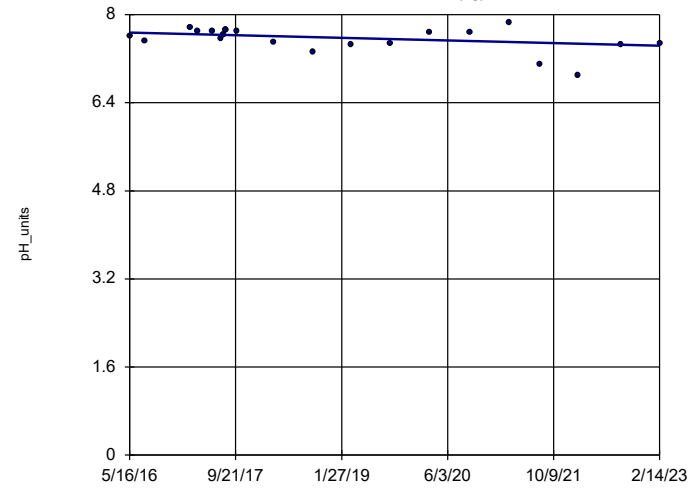


n = 20
 Slope = -0.08025
 units per year.
 Mann-Kendall
 statistic = -96
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

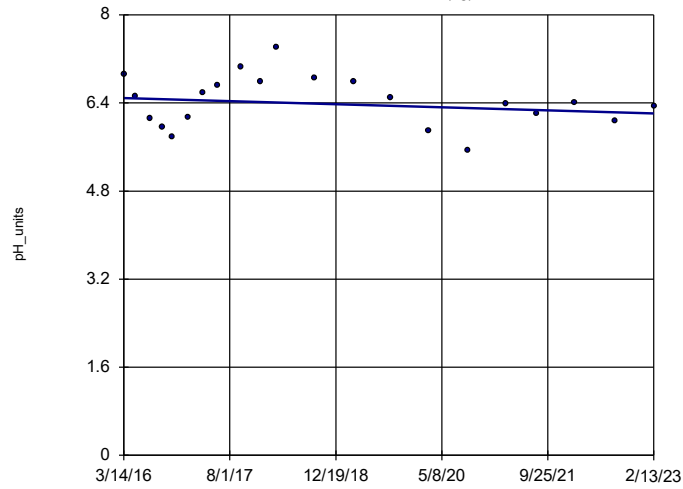


n = 22
 Slope = -0.03559
 units per year.
 Mann-Kendall
 statistic = -68
 critical = -92
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39Z (bg)

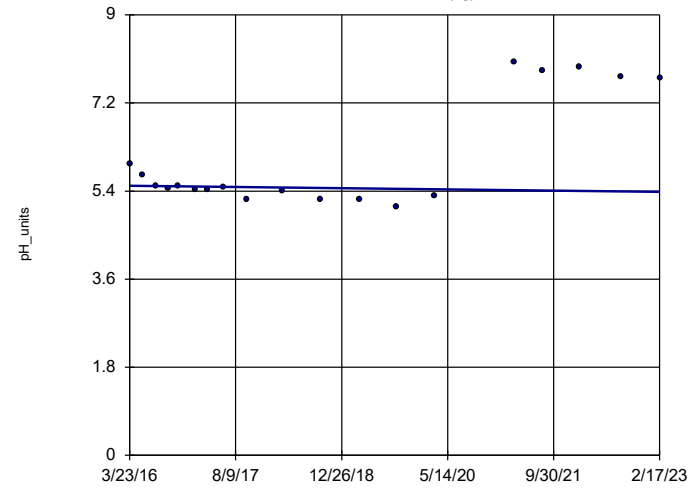


n = 21
 Slope = -0.04078
 units per year.
 Mann-Kendall
 statistic = -.28
 critical = -.87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-3A (bg)

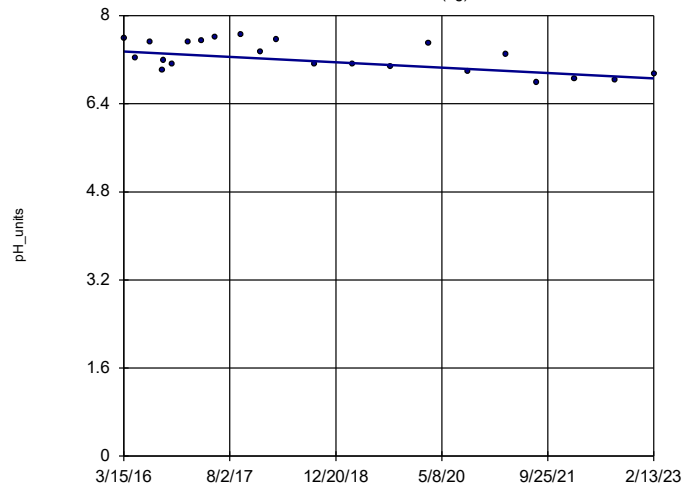


n = 19
 Slope = -0.01772
 units per year.
 Mann-Kendall
 statistic = -.7
 critical = -.74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-40 (bg)

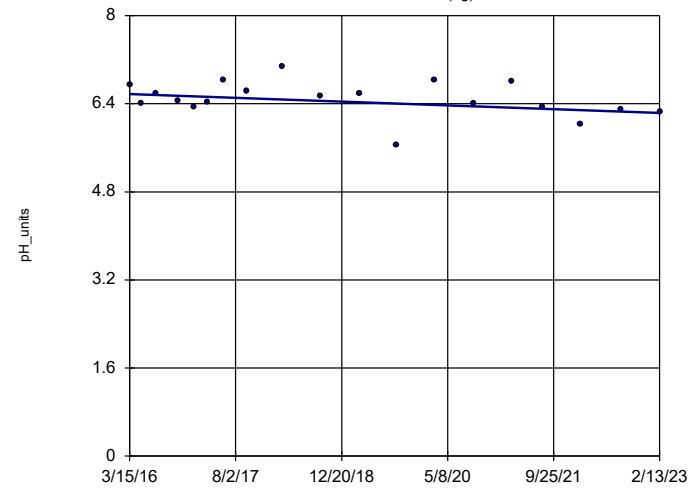


n = 22
 Slope = -0.07
 units per year.
 Mann-Kendall
 statistic = -.98
 critical = -.92
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

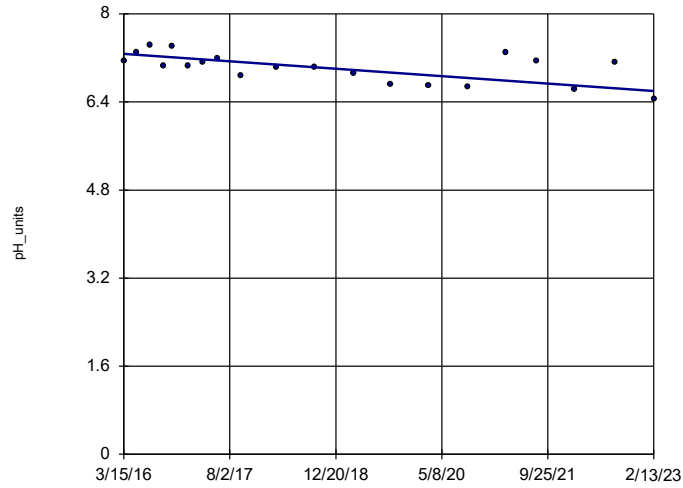


n = 19
 Slope = -0.04957
 units per year.
 Mann-Kendall
 statistic = -.47
 critical = -.74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

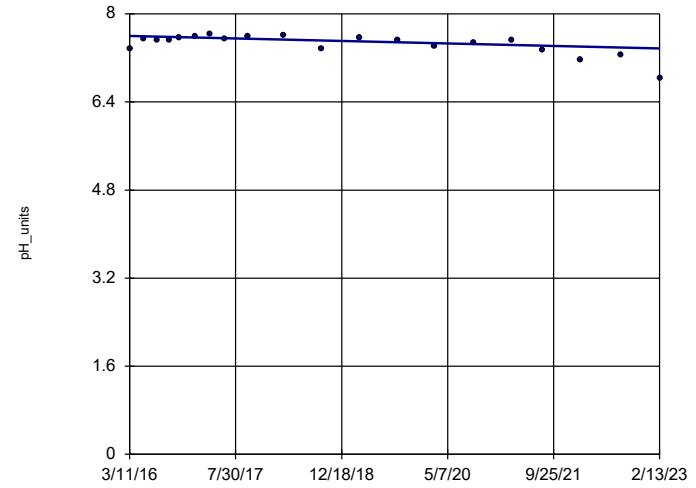


n = 20
 Slope = -0.09802 units per year.
 Mann-Kendall statistic = -91
 critical = -81
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

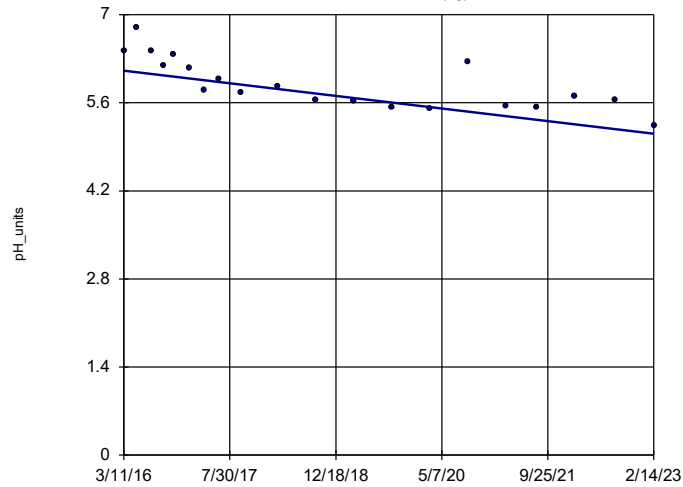


n = 20
 Slope = -0.03284 units per year.
 Mann-Kendall statistic = -68
 critical = -81
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43 (bg)

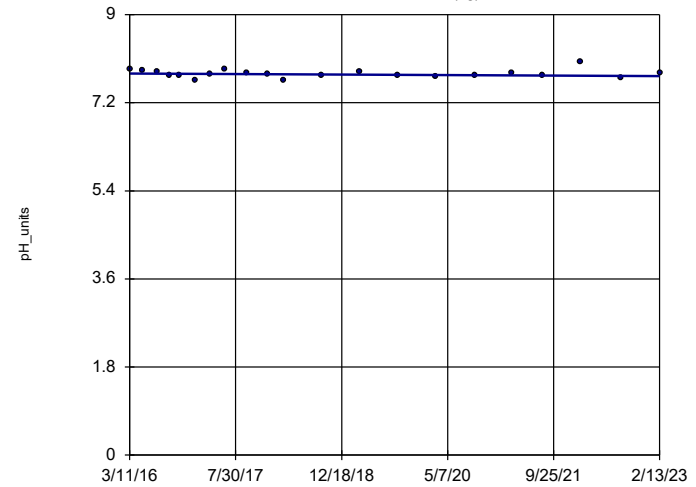


n = 20
 Slope = -0.1449 units per year.
 Mann-Kendall statistic = -132
 critical = -81
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43R (bg)

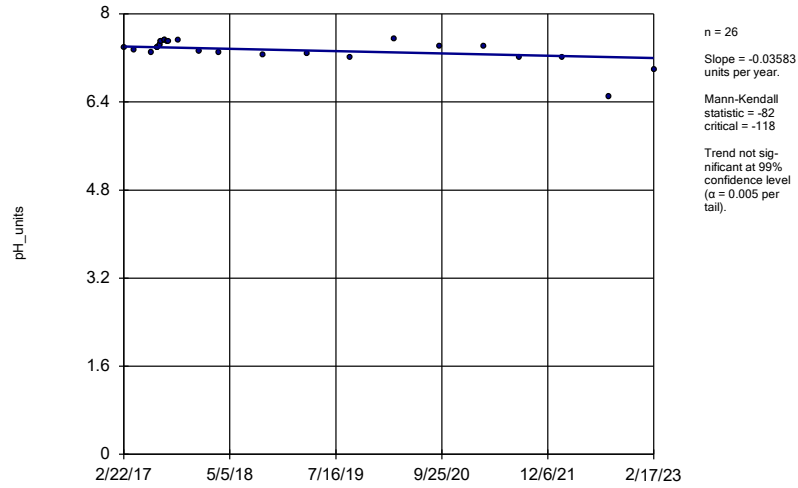


n = 21
 Slope = -0.007213 units per year.
 Mann-Kendall statistic = -29
 critical = -87
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

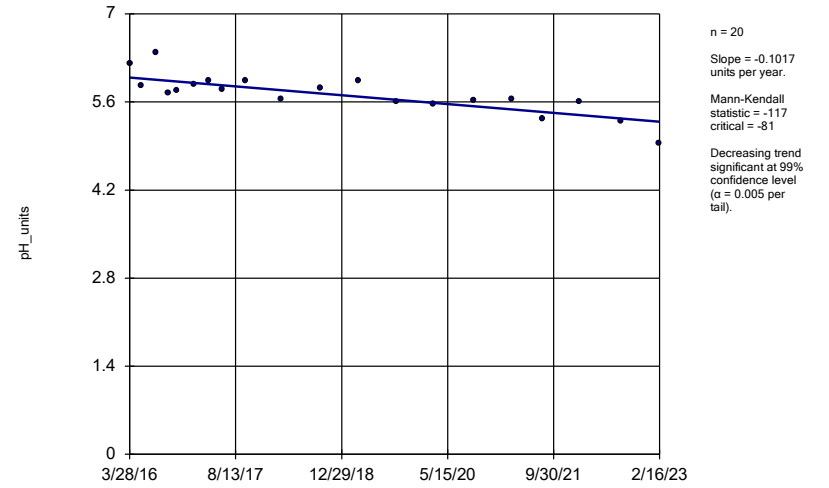
GWA-4RZ (bg)



Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

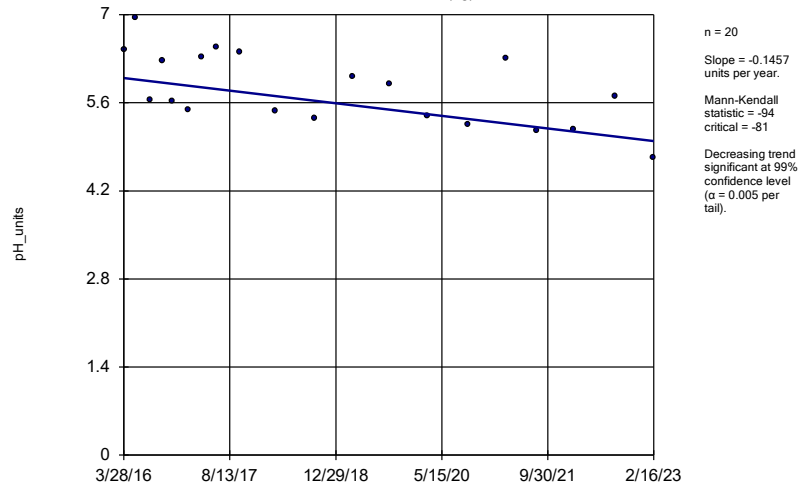
GWA-50 (bg)



Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

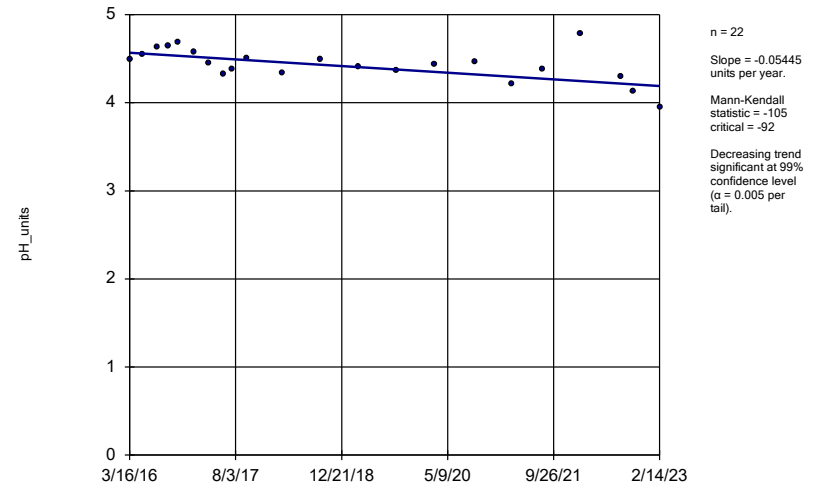
GWA-50R (bg)



Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

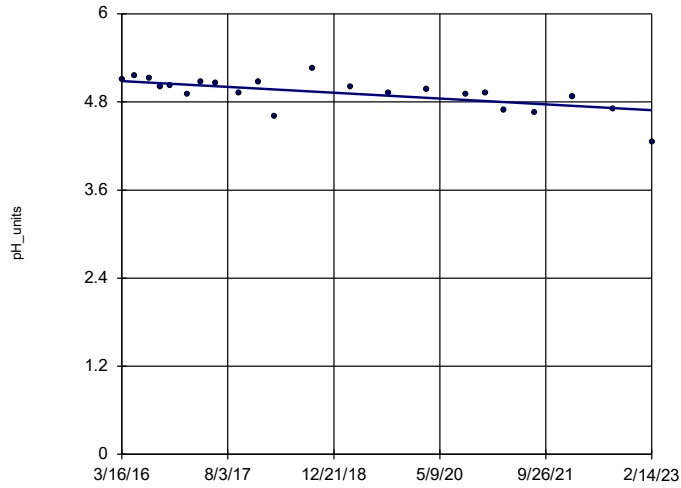
GWC-44



Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-45

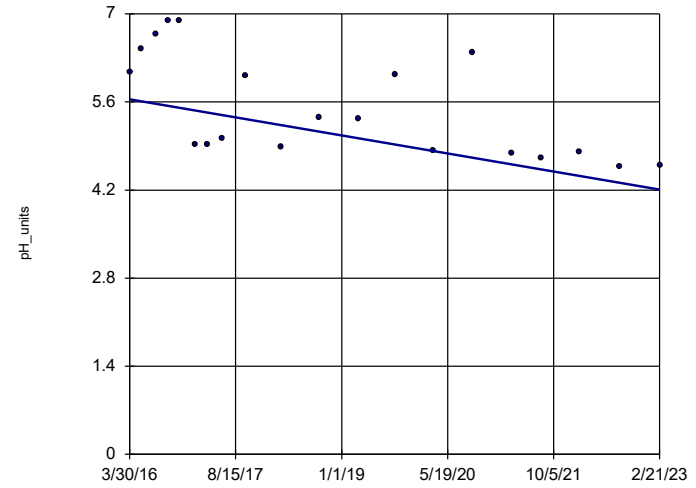


n = 22
 Slope = -0.05745 units per year.
 Mann-Kendall statistic = -129
 critical = -92
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-9

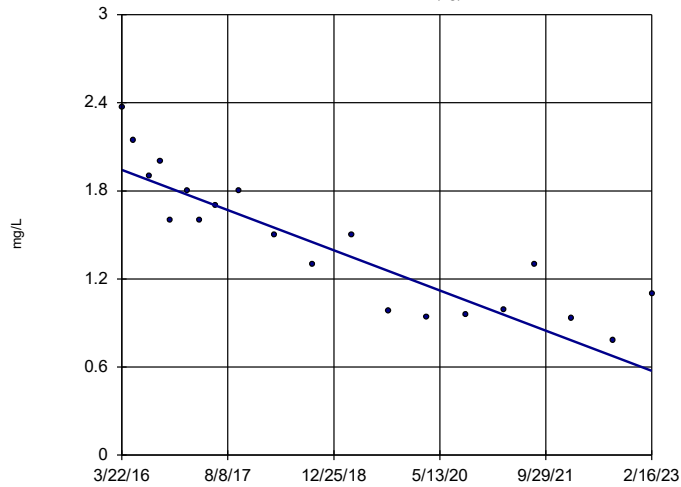


n = 20
 Slope = -0.2073 units per year.
 Mann-Kendall statistic = -105
 critical = -81
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-1 (bg)

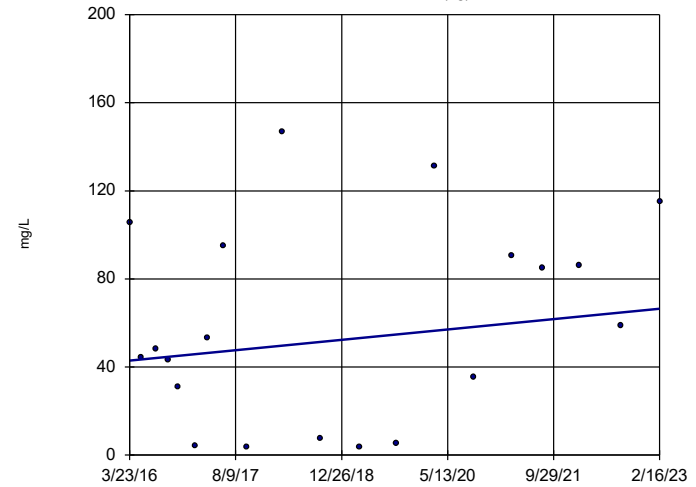


n = 20
 Slope = -0.1981 units per year.
 Mann-Kendall statistic = -142
 critical = -81
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

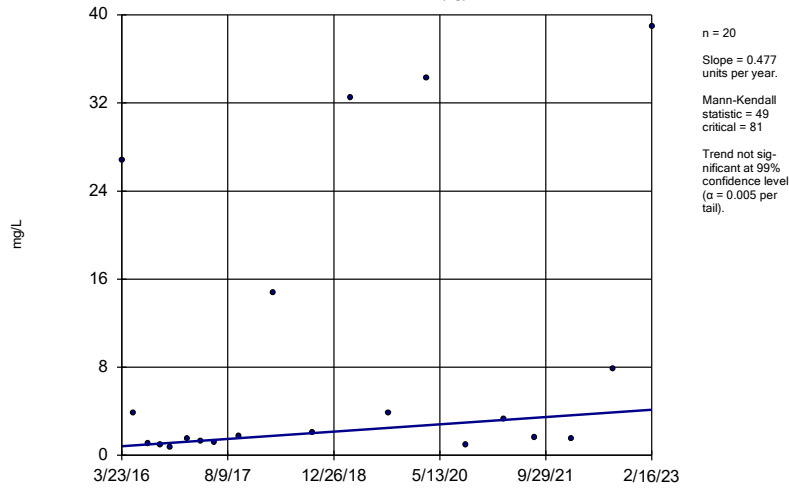


n = 20
 Slope = 3.418 units per year.
 Mann-Kendall statistic = 24
 critical = 81
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

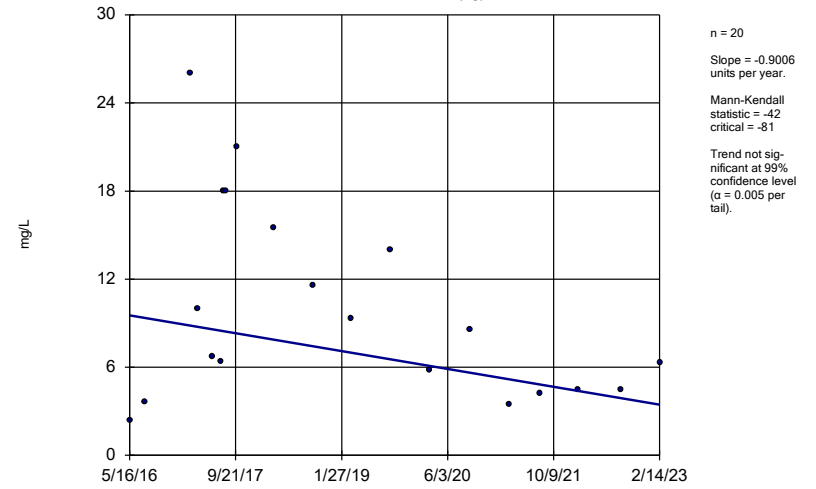
GWA-2R (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

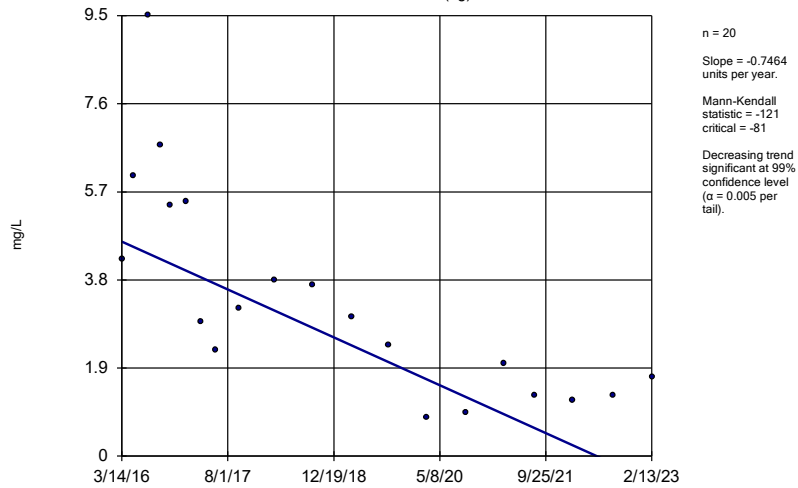
GWA-39RZ (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

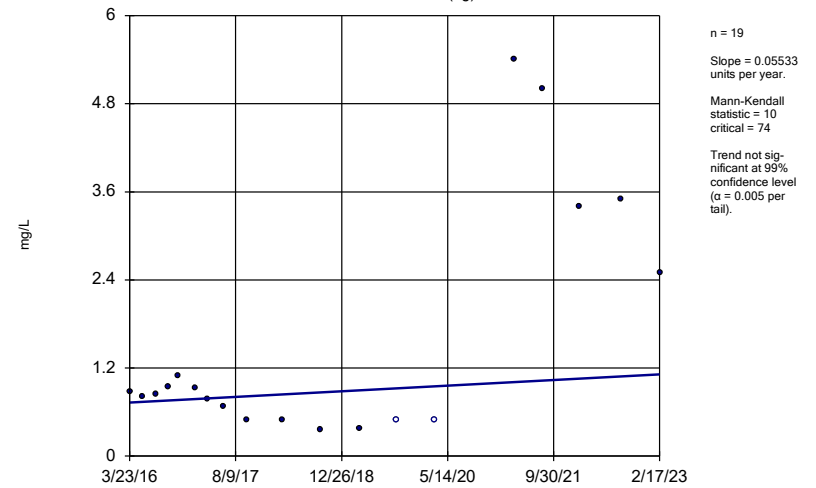
GWA-39Z (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

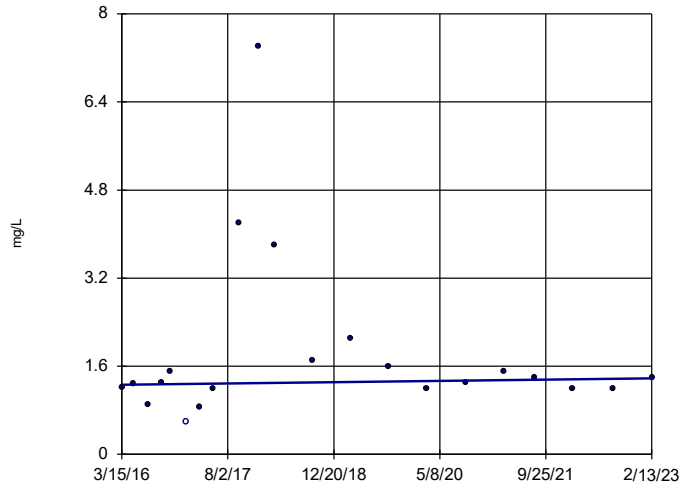
GWA-3A (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-40 (bg)

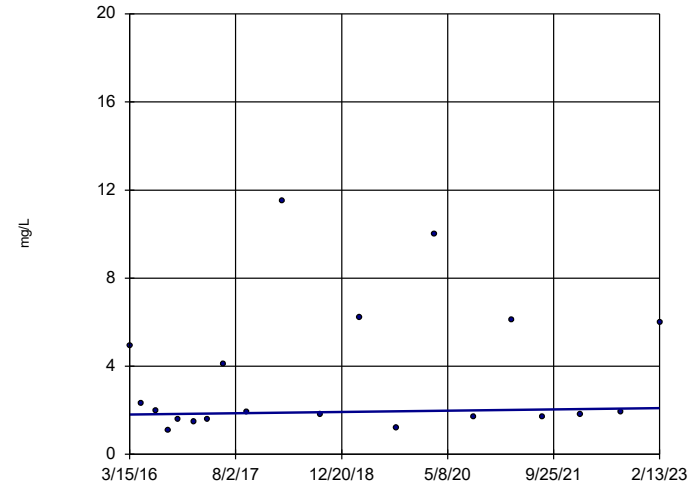


n = 21
Slope = 0.01668
units per year.
Mann-Kendall
statistic = 13
critical = 87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

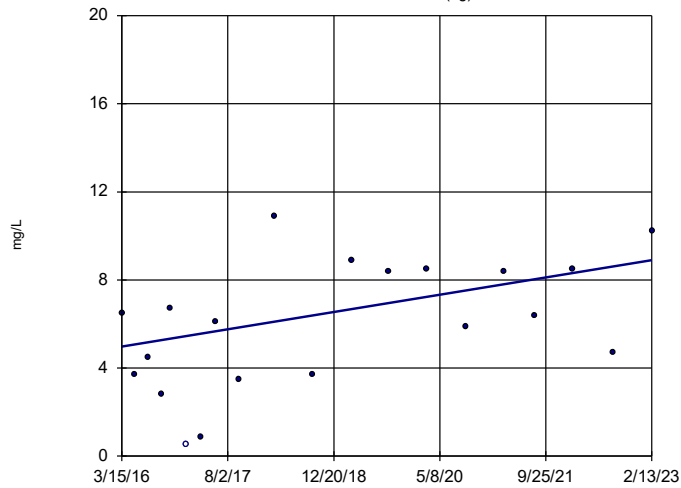


n = 20
Slope = 0.04258
units per year.
Mann-Kendall
statistic = 20
critical = 81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

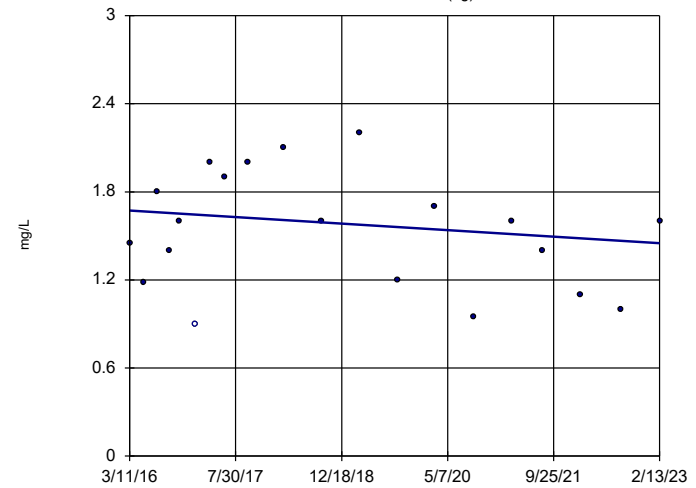


n = 20
Slope = 0.5682
units per year.
Mann-Kendall
statistic = 62
critical = 81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

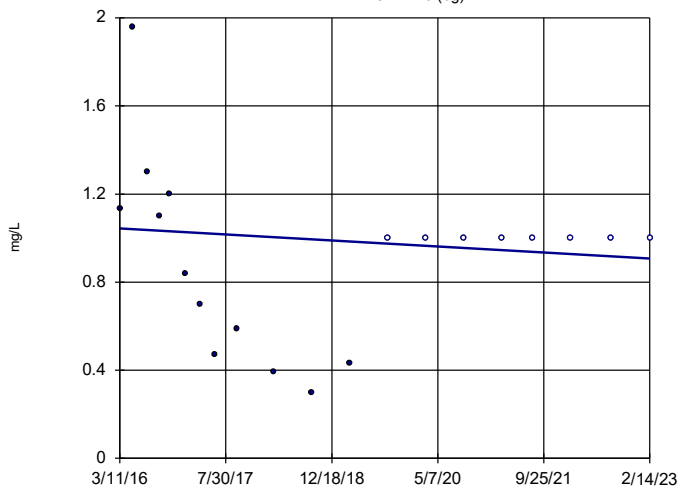


n = 20
Slope = -0.03222
units per year.
Mann-Kendall
statistic = -18
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43 (bg)

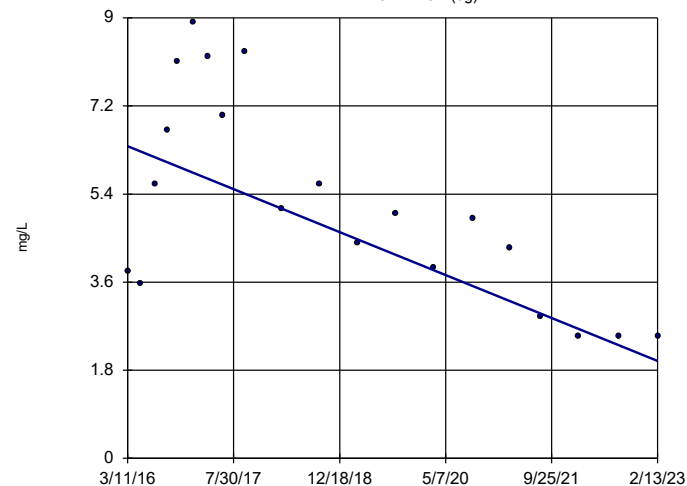


n = 20
Slope = -0.01969 units per year.
Mann-Kendall statistic = -36
critical = -81
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43R (bg)

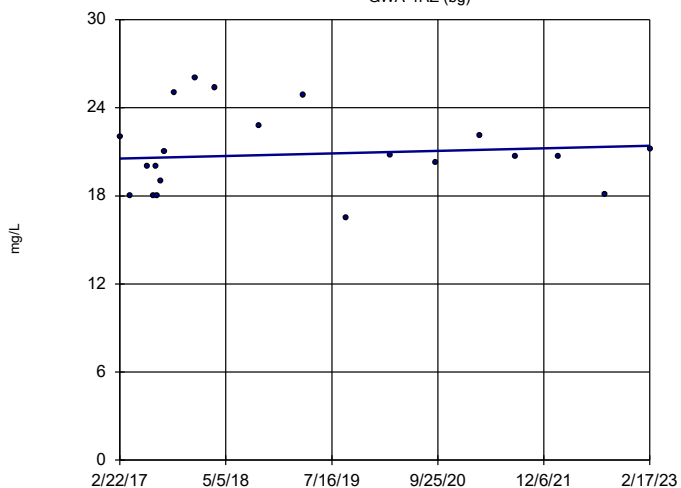


n = 20
Slope = -0.6329 units per year.
Mann-Kendall statistic = -88
critical = -81
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-4RZ (bg)

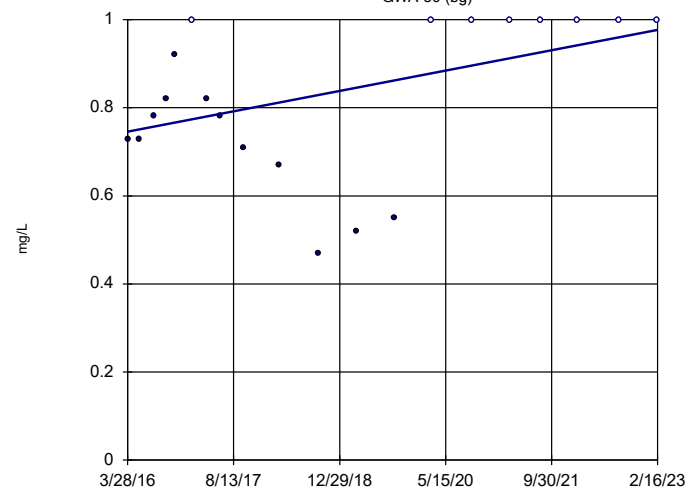


n = 21
Slope = 0.1435 units per year.
Mann-Kendall statistic = 21
critical = 87
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50 (bg)

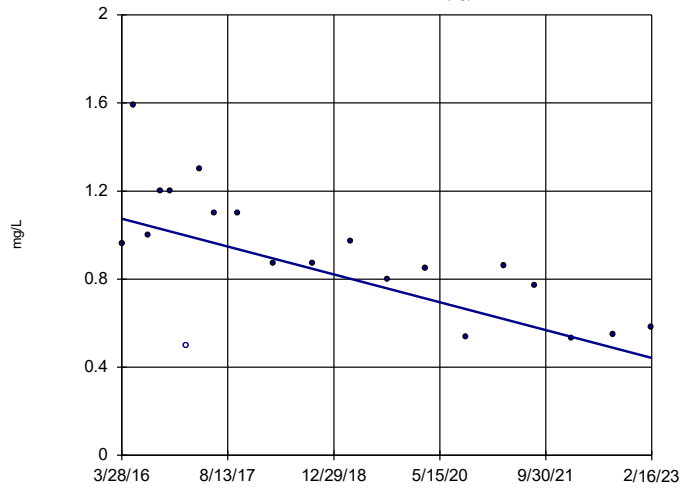


n = 20
Slope = 0.03359 units per year.
Mann-Kendall statistic = 52
critical = 81
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50R (bg)

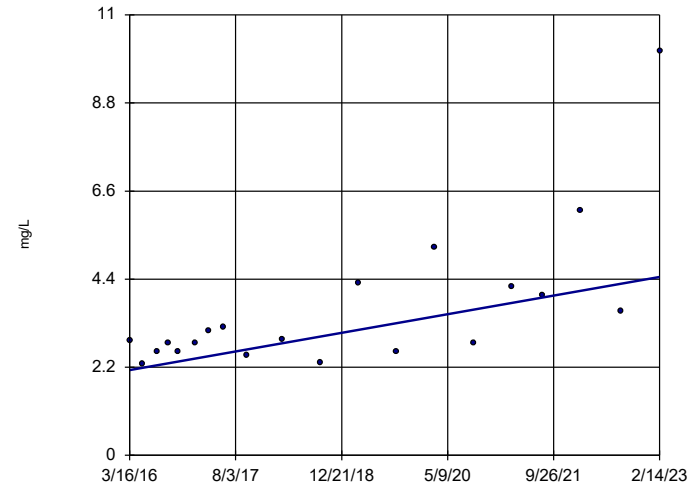


n = 20
Slope = -0.0917
units per year.
Mann-Kendall
statistic = -105
critical = -81
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-45R

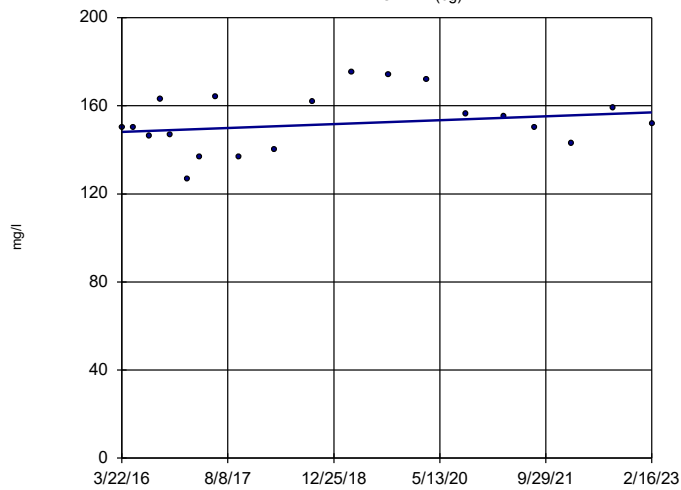


n = 20
Slope = 0.3351
units per year.
Mann-Kendall
statistic = 90
critical = 81
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-1 (bg)

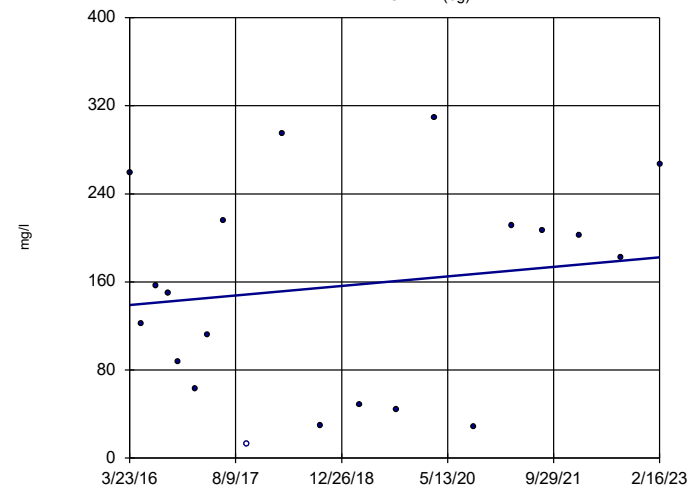


n = 20
Slope = 1.275
units per year.
Mann-Kendall
statistic = 24
critical = 81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

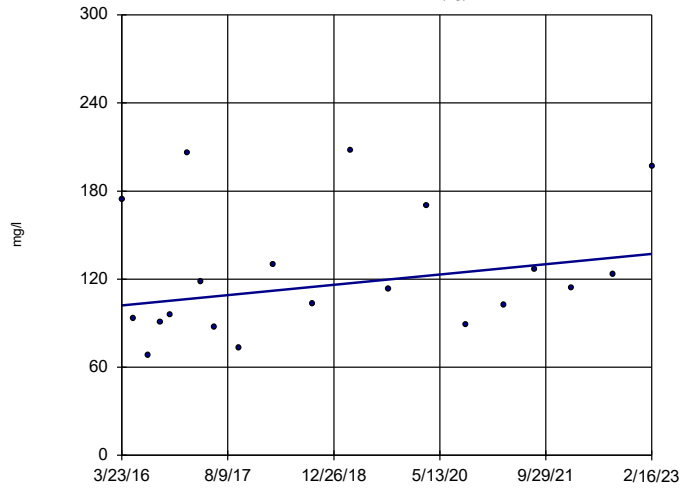


n = 20
Slope = 6.246
units per year.
Mann-Kendall
statistic = 8
critical = 81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2R (bg)

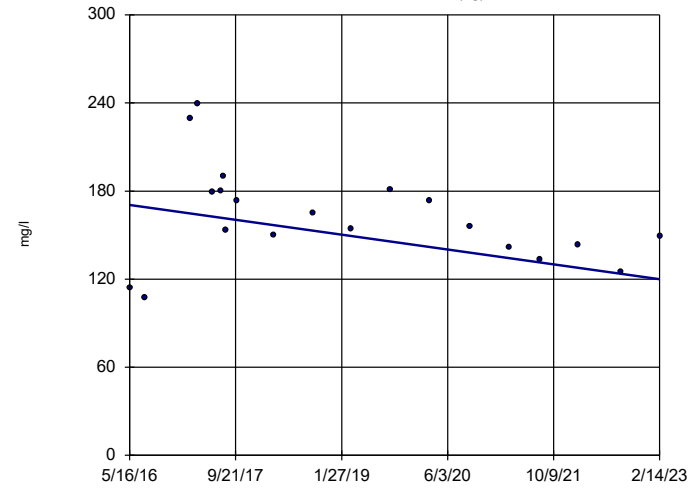


n = 20
 Slope = 5.089
 units per year.
 Mann-Kendall
 statistic = 42
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

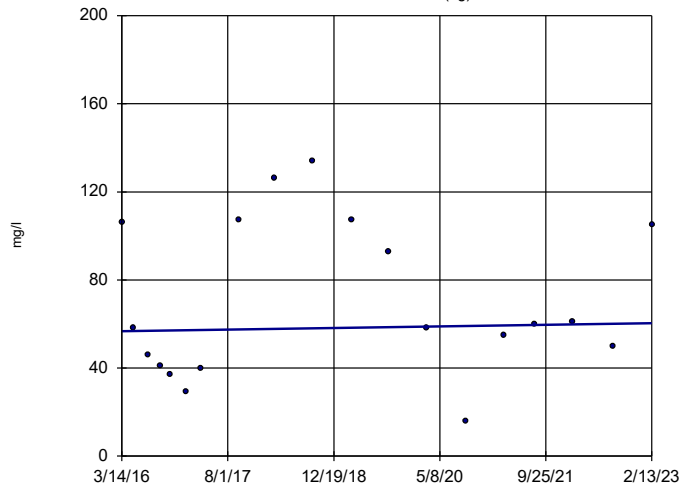


n = 20
 Slope = -7.475
 units per year.
 Mann-Kendall
 statistic = -59
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39Z (bg)

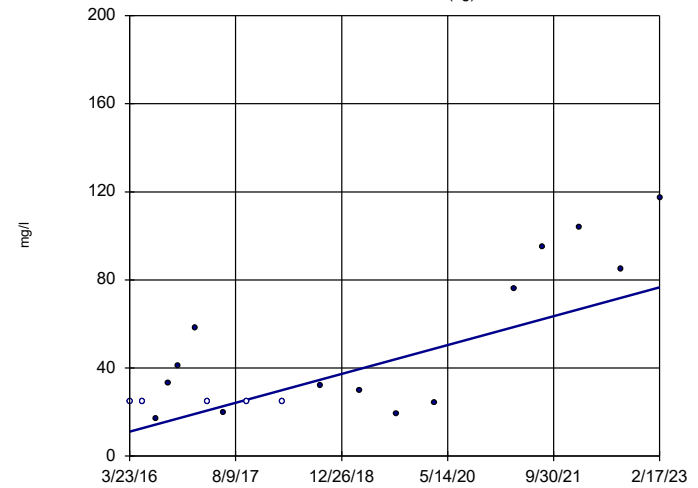


n = 19
 Slope = 0.5237
 units per year.
 Mann-Kendall
 statistic = 7
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-3A (bg)

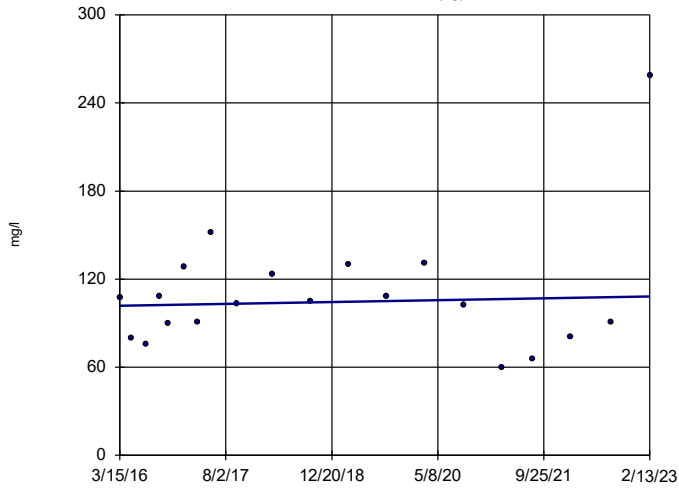


n = 19
 Slope = 9.481
 units per year.
 Mann-Kendall
 statistic = 67
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-40 (bg)

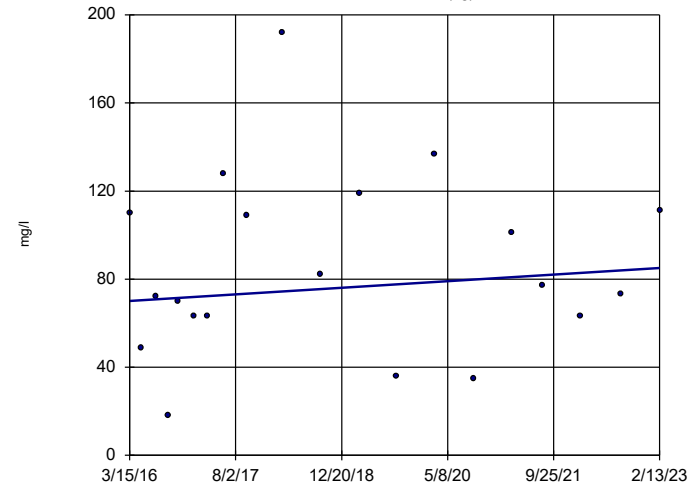


n = 20
 Slope = 0.9167
 units per year.
 Mann-Kendall
 statistic = 10
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

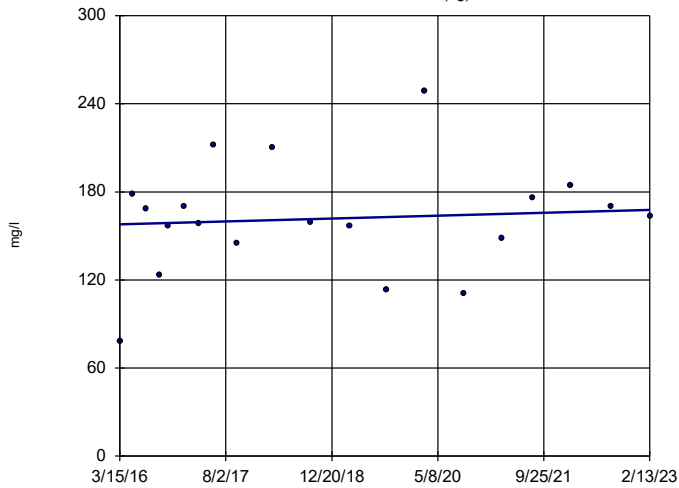


n = 20
 Slope = 2.151
 units per year.
 Mann-Kendall
 statistic = 19
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

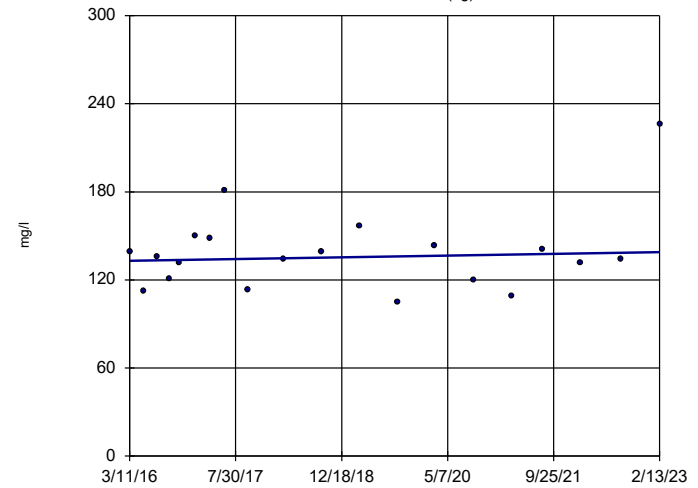


n = 20
 Slope = 1.424
 units per year.
 Mann-Kendall
 statistic = 20
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

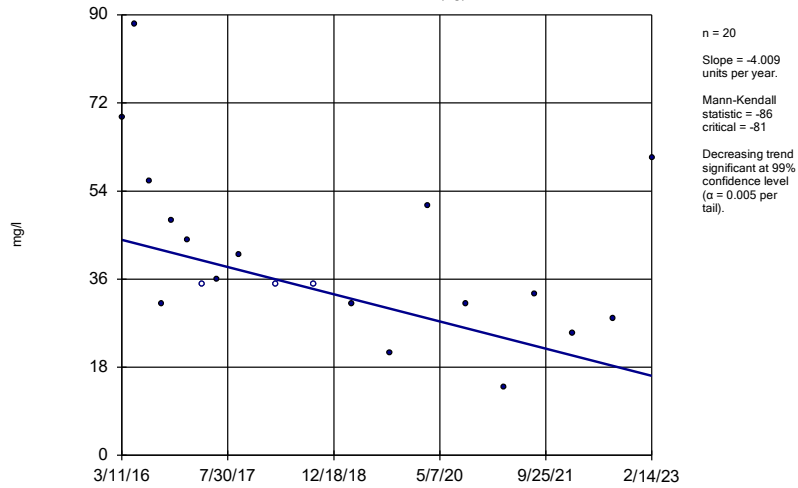


n = 20
 Slope = 0.8627
 units per year.
 Mann-Kendall
 statistic = 11
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

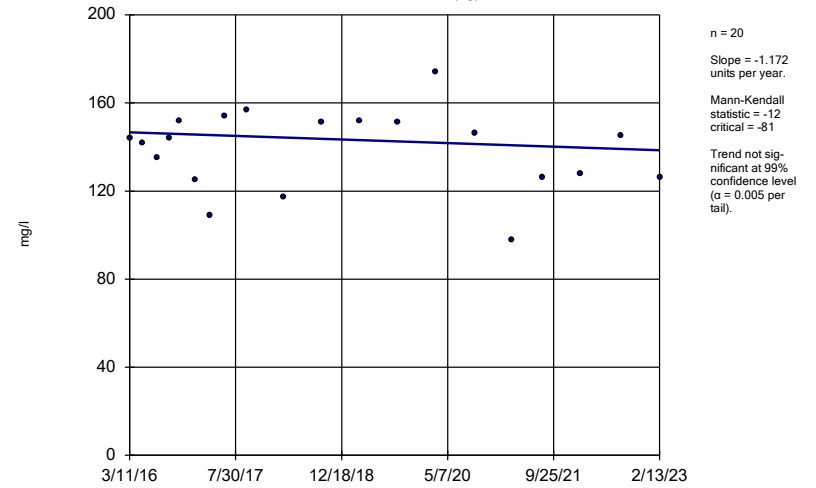
GWA-43 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

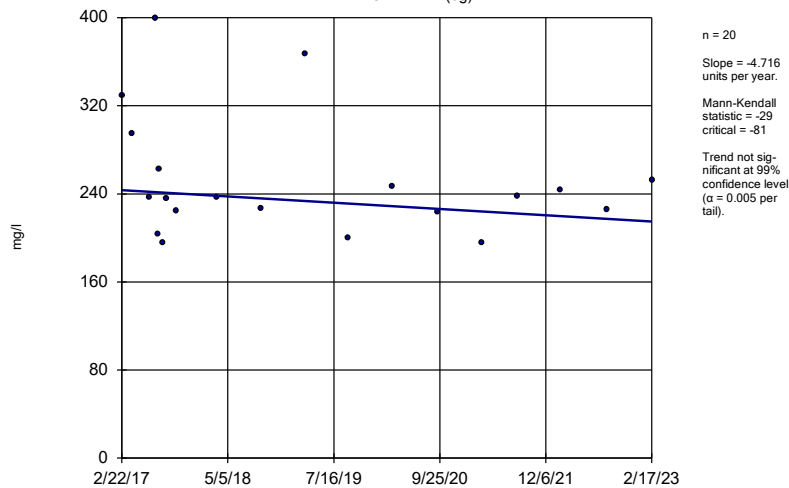
GWA-43R (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

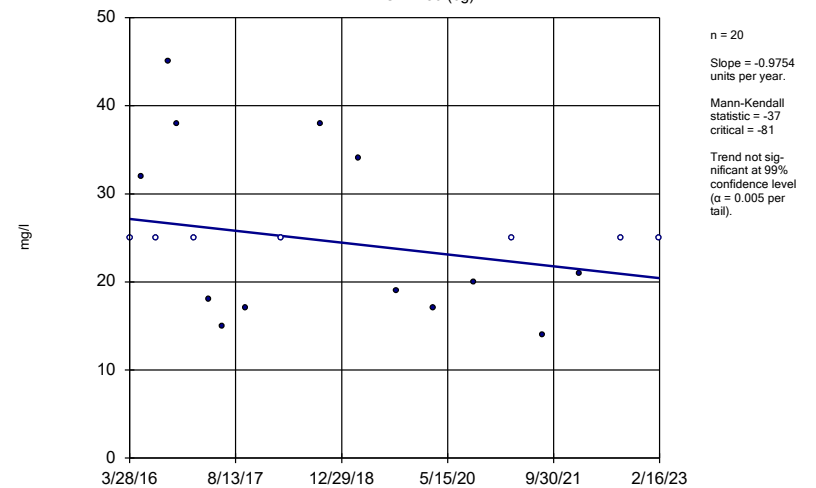
GWA-4RZ (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

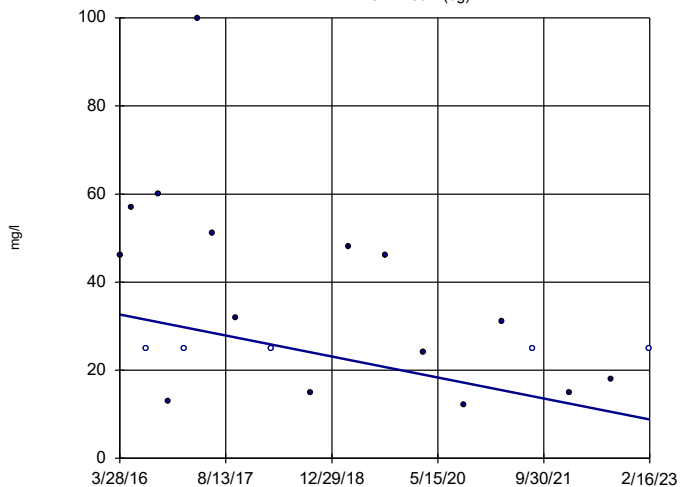
GWA-50 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50R (bg)

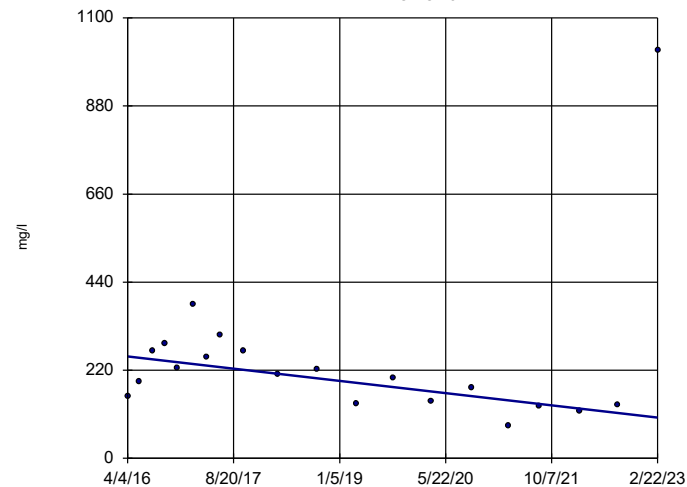


n = 20
Slope = -3.458
units per year.
Mann-Kendall
statistic = -62
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-13



n = 20
Slope = -22.1
units per year.
Mann-Kendall
statistic = -65
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE L.

Intrawell Prediction Limits - Chloride GWC-48 - All/Significant Results

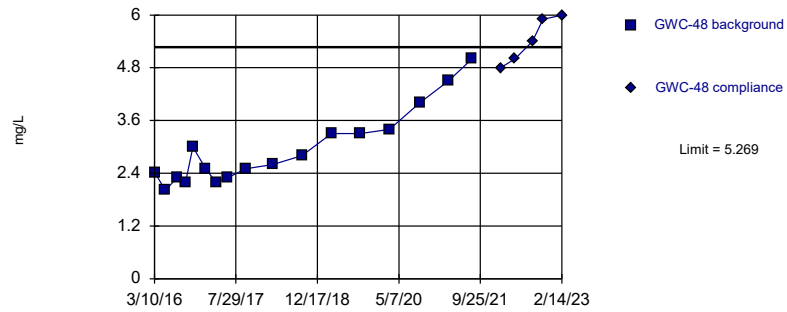
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 12:04 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.269	n/a	2/14/2023	6	Yes	17	2.961	0.86	0	None	No	0.0002894	Param Intra 1 of 2

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.961, Std. Dev.=0.86, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.871, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Chloride, Total Analysis Run 4/13/2023 12:03 PM View: Appendix III Intrawell - Chloride
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

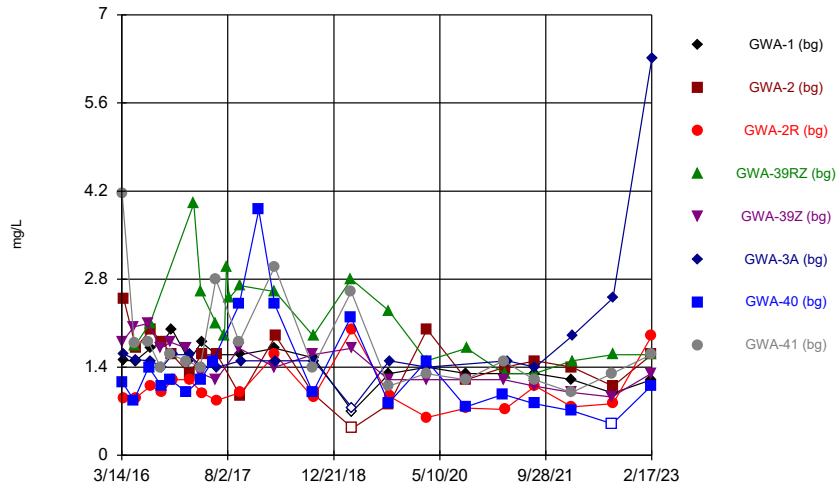
Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/13/2023 12:04 PM View: Appendix III Intrawell - Chloride
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	2.4266	
5/17/2016	2.01	
7/27/2016	2.3	
9/20/2016	2.2	
11/4/2016	3	
1/23/2017	2.5	
3/28/2017	2.2	
6/8/2017	2.3	
9/29/2017	2.5	
3/15/2018	2.6	
9/13/2018	2.8	
3/15/2019	3.3	
9/11/2019	3.3	
3/9/2020	3.4	
9/14/2020	4	
3/11/2021	4.5	
8/4/2021	5	
1/31/2022		4.8
4/28/2022		5
8/15/2022		5.4
10/21/2022		5.9 (R)
2/14/2023		6

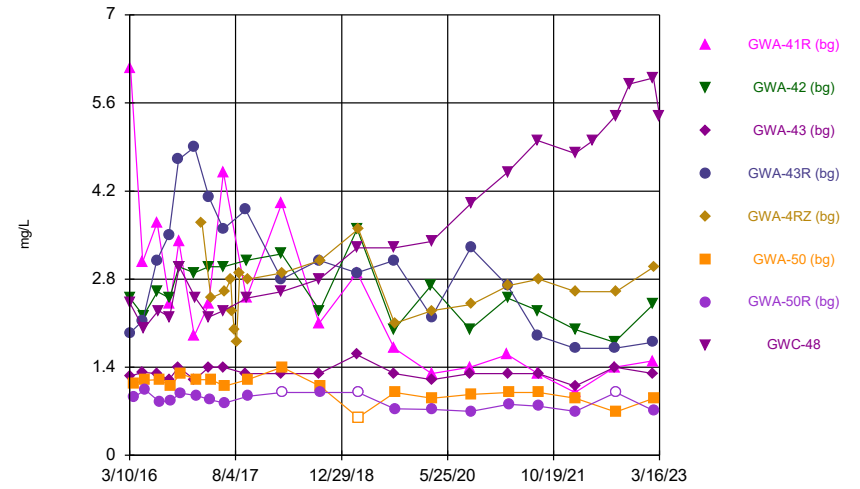
FIGURE M.

Time Series



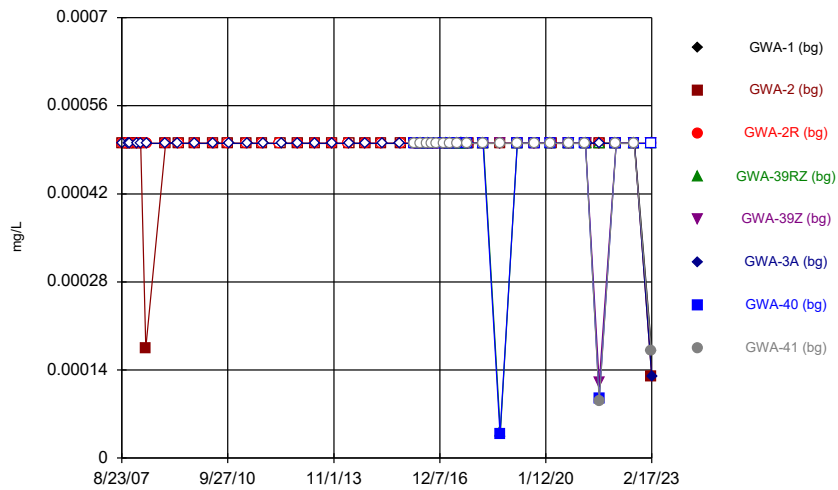
Constituent: Chloride, Total Analysis Run 4/26/2023 10:14 AM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



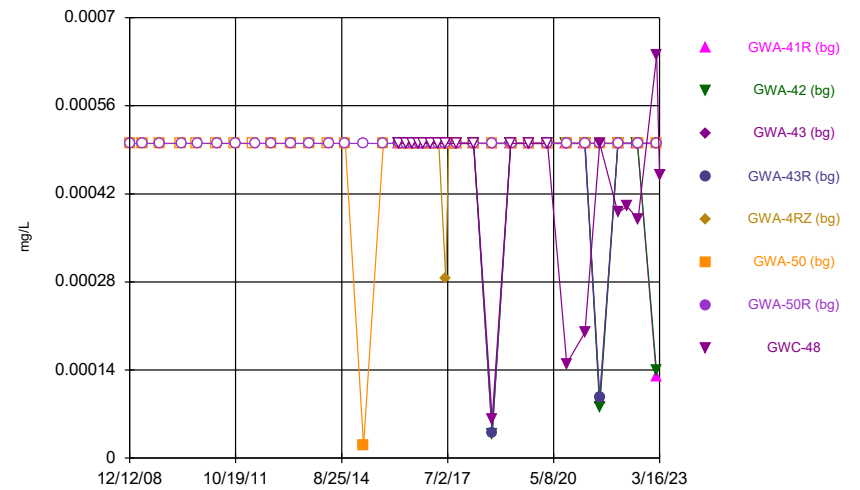
Constituent: Chloride, Total Analysis Run 4/26/2023 10:14 AM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



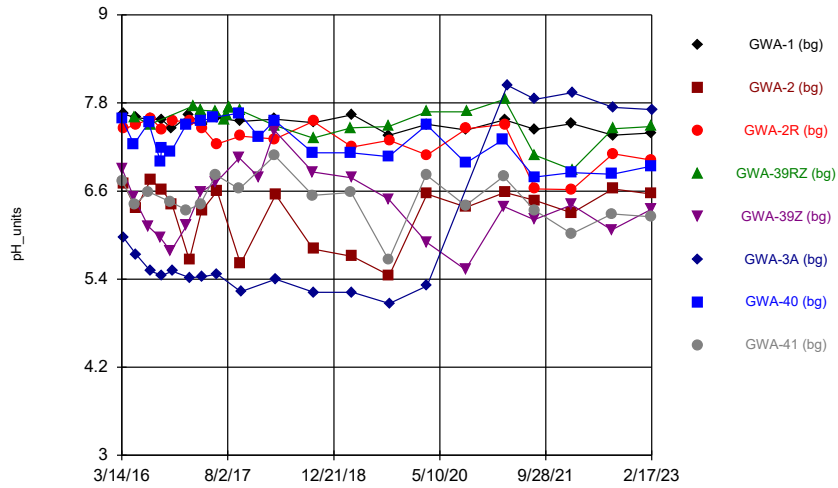
Constituent: Mercury Analysis Run 4/26/2023 10:14 AM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



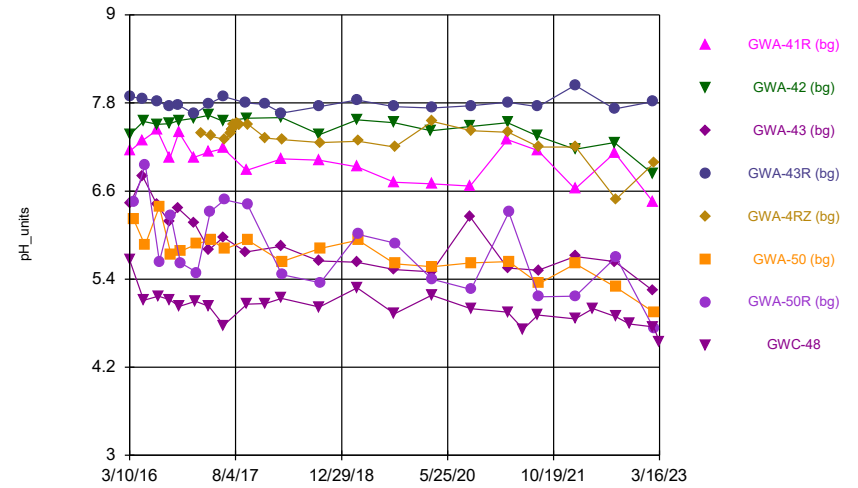
Constituent: Mercury Analysis Run 4/26/2023 10:14 AM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



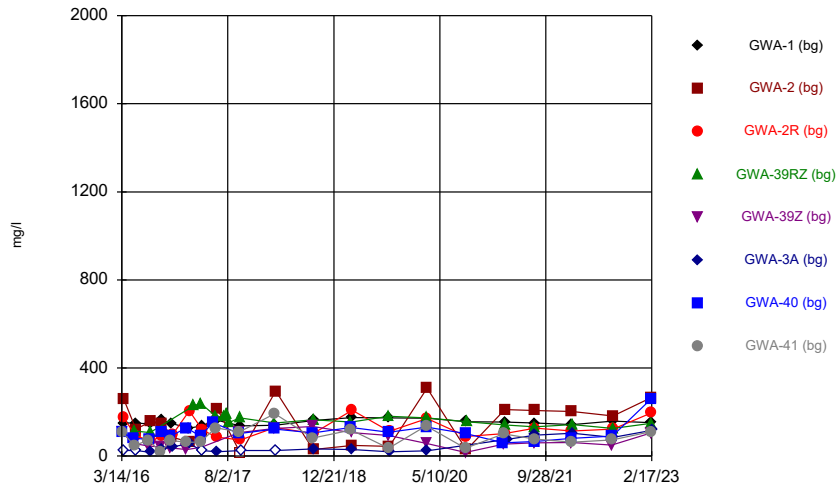
Constituent: pH Analysis Run 4/26/2023 10:14 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



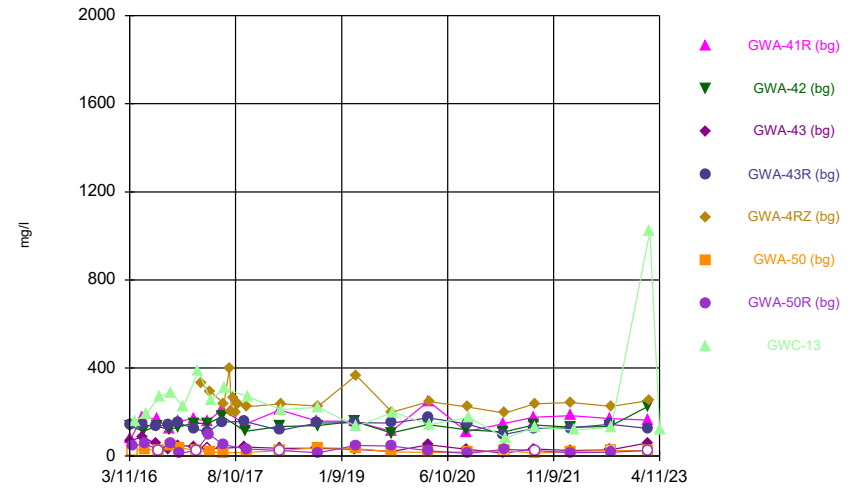
Constituent: pH Analysis Run 4/26/2023 10:14 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/26/2023 10:14 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/26/2023 10:14 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/14/2016					1.795			
3/15/2016							1.1671	4.1666
3/22/2016	1.5101							
3/23/2016		2.4904	0.9079			1.6092		
5/11/2016					2.04		0.8763	
5/12/2016								1.78
5/16/2016				1.74 (D)				
5/19/2016	1.5		0.9136					
5/20/2016		1.71						
5/23/2016						1.52		
7/19/2016					2.1			
7/20/2016								1.8
7/21/2016							1.4	
7/27/2016				2.1 (D)				
7/29/2016	1.7	2	1.1			1.5		
9/15/2016					1.7			1.4
9/19/2016							1.1	
9/22/2016			1			1.4		
9/23/2016	1.8	1.8						
11/2/2016					1.8			
11/3/2016							1.2	1.6
11/9/2016	2	1.6						
11/10/2016			1.2			1.6		
1/17/2017							1	
1/18/2017					1.7			1.5
1/30/2017	1.5							
1/31/2017		1.3	1.2			1.6		
2/21/2017				4 (D)				
3/24/2017							1.2	1.4
3/27/2017				2.6 (D)				
3/28/2017					1.3			
3/30/2017	1.8	1.6				1.4		
4/3/2017			0.99					
5/24/2017							1.5	
6/6/2017								2.8
6/7/2017					1.2			
6/8/2017				2.1 (D)				
6/9/2017	1.6		0.87					
6/12/2017		1.6				1.4		
7/17/2017				1.9 (D)				
7/27/2017				3 (D)				
8/9/2017				2.5 (D)				
9/25/2017								1.8
9/26/2017					1.7		2.4	
9/29/2017				2.7 (D)				
10/2/2017	1.6	0.94	1					
10/4/2017						1.5		
12/28/2017							3.9 (Y)	
3/14/2018					1.4		2.4	3
3/16/2018	1.7		1.6	2.6				
3/19/2018		1.9				1.5		
9/12/2018					1.6		1	1.4

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/14/2018		0.98	0.92	1.9				
9/17/2018	1.55 (D)					1.5		
3/13/2019							2.2	
3/14/2019				2.8				2.6
3/15/2019					1.7			
3/19/2019			2					
3/20/2019	<1.4	<0.86				<1.5		
9/9/2019					1.2		0.83 (X)	
9/10/2019				2.3				1.1
9/12/2019	1.3	0.815 (JD)						
9/13/2019			0.94 (J)			1.5		
3/6/2020								1.3
3/9/2020				1.5	1.2		1.5	
3/11/2020	1.4	2	0.6 (J)			1.4		
9/10/2020					1.2			1.2
9/11/2020							0.77 (J)	
9/15/2020	1.3	1.2	0.75 (J)					
9/16/2020				1.7				
3/10/2021							0.97 (J)	
3/11/2021								1.5
3/12/2021					1.2			
3/16/2021	1.3		0.73 (J)	1.3				
3/17/2021		1.4						
3/29/2021						1.5		
8/4/2021					1.1		0.82 (J)	1.2
8/6/2021				1.3				
8/9/2021	1.3	1.5	1.1			1.4		
1/31/2022					1		0.71 (J)	1
2/1/2022	1.2	1.4	0.77 (J)					
2/2/2022				1.5		1.9		
8/10/2022					0.93 (J)			
8/11/2022								1.3
8/12/2022							<1	
8/16/2022	0.99 (J)	1.1	0.82 (J)	1.6		2.5		
2/13/2023					1.3		1.1	1.6
2/14/2023				1.6				
2/16/2023	1.2	1.6	1.9					
2/17/2023						6.3		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
3/10/2016								2.4266
3/11/2016		2.4984	1.2562	1.9467				
3/15/2016	6.1465							
3/28/2016						1.14	0.9204	
5/13/2016	3.08		1.32	2.14				
5/16/2016		2.22						
5/17/2016								2.01
5/23/2016						1.19		
5/25/2016							1.04	
7/19/2016			1.3	3.1				
7/21/2016	3.7							
7/22/2016		2.6						
7/27/2016								2.3
8/1/2016						1.2	0.85	
9/16/2016			1.2	3.5				
9/19/2016		2.5						
9/20/2016								2.2
9/21/2016	2.4							
9/26/2016						1.1	0.87	
11/2/2016			1.4	4.7				
11/3/2016	3.4	3						
11/4/2016								3
11/10/2016						1.3		
11/11/2016							0.99	
1/17/2017	1.9	2.9						
1/18/2017			1.2	4.9				
1/23/2017								2.5
1/30/2017						1.2	0.95	
2/22/2017					3.7 (D)			
3/27/2017	2.4	3						
3/28/2017			1.4	4.1				2.2
4/3/2017							0.88	
4/7/2017					2.5 (D)	1.2		
6/6/2017	4.5		1.4	3.6				
6/7/2017		3						
6/8/2017								2.3
6/12/2017						1.1	0.83	
6/14/2017					2.6 (D)			
7/12/2017					2.8 (D)			
7/20/2017					2.3 (D)			
7/28/2017					2 (D)			
8/9/2017					1.8 (D)			
8/24/2017					2.9 (D)			
9/22/2017			1.3	3.9				
9/25/2017	2.5							
9/26/2017		3.1						
9/29/2017								2.5
10/2/2017						1.2	0.94	
10/3/2017					2.8 (D)			
3/14/2018	4 (J)	3.2	1.3					
3/15/2018				2.8				2.6
3/16/2018						1.4	<1	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
3/21/2018					2.9			
9/12/2018	2.1		1.3	3.1				
9/13/2018								2.8
9/14/2018		2.3						
9/17/2018						1.1		
9/18/2018					3.1		1	
3/13/2019			1.6	2.9				
3/14/2019	2.9	3.6						
3/15/2019								3.3
3/19/2019						<1.2	<1	
3/21/2019					3.6 (D)			
9/10/2019	1.7	2						
9/11/2019			1.3	3.1				3.3
9/12/2019					2.1 (D)		0.74 (J)	
9/13/2019						1		
3/6/2020		2.7						
3/9/2020	1.3		1.2	2.2				3.4
3/11/2020						0.91 (J)	0.73 (J)	
3/12/2020					2.3			
9/10/2020	1.4	2						
9/11/2020			1.3					
9/14/2020				3.3				4
9/15/2020							0.7 (J)	
9/16/2020						0.97 (J)		
9/17/2020					2.4			
3/10/2021	1.6							
3/11/2021		2.5	1.3	2.7				4.5
3/16/2021					2.7			
3/17/2021						1 (J)	0.81 (J)	
8/4/2021	1.3	2.3						5
8/5/2021				1.9				
8/6/2021			1.3					
8/9/2021						1 (J)	0.78 (J)	
8/10/2021					2.8			
1/31/2022	1	2	1.1	1.7				4.8
2/1/2022						0.91 (J)		
2/2/2022							0.7 (J)	
2/3/2022					2.6			
4/28/2022								5
8/10/2022		1.8		1.7				
8/11/2022	1.4		1.4					
8/15/2022								5.4
8/16/2022						0.69 (J)		
8/17/2022					2.6		<1	
10/21/2022								5.9 (R)
2/13/2023	1.5	2.4		1.8				
2/14/2023			1.3					6
2/16/2023						0.91 (J)	0.71 (J)	
2/17/2023					3			
3/16/2023								5.4 (R)

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005		
10/23/2007	<0.0005							
10/24/2007		<0.0005	<0.0005					
11/2/2007						<0.0005		
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005		
1/30/2008	<0.0005							
1/31/2008		<0.0005	<0.0005			<0.0005		
3/10/2008	<0.0005		<0.0005					
3/11/2008		<0.0005				<0.0005		
5/6/2008		0.000175						
5/13/2008	<0.0005		<0.0005					
5/14/2008						<0.0005		
12/4/2008		<0.0005	<0.0005					
12/5/2008	<0.0005					<0.0005		
4/15/2009	<0.0005					<0.0005		
4/21/2009		<0.0005	<0.0005					
10/7/2009	<0.0005	<0.0005						
10/8/2009			<0.0005			<0.0005		
4/21/2010			<0.0005					
4/26/2010		<0.0005						
4/28/2010						<0.0005		
5/3/2010	<0.0005							
9/28/2010			<0.0005					
10/4/2010		<0.0005						
10/6/2010						<0.0005		
10/12/2010	<0.0005							
4/12/2011			<0.0005					
4/13/2011		<0.0005						
4/21/2011						<0.0005		
4/27/2011	<0.0005							
10/4/2011			<0.0005					
10/5/2011		<0.0005						
10/13/2011						<0.0005		
10/17/2011	<0.0005							
4/3/2012			<0.0005					
4/11/2012		<0.0005						
5/1/2012						<0.0005		
5/2/2012	<0.0005							
10/8/2012	<0.0005							
10/9/2012		<0.0005	<0.0005			<0.0005		
4/11/2013			<0.0005			<0.0005		
4/12/2013	<0.0005							
4/15/2013		<0.0005						
10/15/2013		<0.0005						
10/16/2013	<0.0005		<0.0005			<0.0005		
4/10/2014			<0.0005					
4/11/2014	<0.0005							
4/22/2014		<0.0005						
4/23/2014						<0.0005		
9/30/2014	<0.0005	<0.0005	<0.0005					
10/4/2014						<0.0005		
3/30/2015	<0.0005	<0.0005	<0.0005					

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/31/2015						<0.0005		
10/12/2015						<0.0005		
10/13/2015	<0.0005	<0.0005	<0.0005					
3/14/2016					<0.0005			
3/15/2016							<0.0005	<0.0005
3/22/2016	<0.0005							
3/23/2016		<0.0005	<0.0005			<0.0005		
5/11/2016					<0.0005		<0.0005	
5/12/2016								<0.0005
5/16/2016				<0.0005 (D)				
5/19/2016	<0.0005		<0.0005					
5/20/2016		<0.0005						
5/23/2016						<0.0005		
7/19/2016					<0.0005			
7/20/2016								<0.0005
7/21/2016							<0.0005	
7/27/2016				<0.0005 (D)				
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005		
9/15/2016					<0.0005		<0.0005	<0.0005
9/22/2016			<0.0005			<0.0005		
9/23/2016	<0.0005	<0.0005						
11/2/2016					<0.0005			
11/3/2016							<0.0005	<0.0005
11/9/2016	<0.0005	<0.0005						
11/10/2016			<0.0005			<0.0005		
1/17/2017							<0.0005	
1/18/2017					<0.0005			<0.0005
1/30/2017	<0.0005							
1/31/2017		<0.0005	<0.0005			<0.0005		
2/21/2017				<0.0005				
3/24/2017							<0.0005	<0.0005
3/27/2017				<0.0005 (D)				
3/28/2017					<0.0005			
3/30/2017	<0.0005	<0.0005				<0.0005		
4/3/2017			<0.0005					
5/24/2017							<0.0005	
6/6/2017								<0.0005
6/7/2017					<0.0005			
6/8/2017				<0.0005 (D)				
6/9/2017	<0.0005		<0.0005					
6/12/2017		<0.0005				<0.0005		
7/17/2017				<0.0005 (D)				
7/27/2017				<0.0005				
8/9/2017				<0.0005				
9/25/2017								<0.0005
9/26/2017					<0.0005		<0.0005	
9/29/2017				<0.0005 (D)				
10/2/2017	<0.0005	<0.0005	<0.0005					
10/4/2017						<0.0005		
3/14/2018					<0.0005		<0.0005	<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005				
3/19/2018		<0.0005				<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/12/2018					<0.0005		3.8E-05 (J)	<0.0005
9/14/2018		<0.0005	<0.0005	4.1E-05 (J)				
9/17/2018	<0.0005 (D)					<0.0005		
3/13/2019							<0.0005	
3/14/2019				<0.0005				<0.0005
3/15/2019					<0.0005			
3/19/2019			<0.0005					
3/20/2019	<0.0005	<0.0005				<0.0005		
9/9/2019					<0.0005		<0.0005	
9/10/2019								<0.0005 (D)
9/12/2019	<0.0005	<0.0005 (D)						
9/13/2019			<0.0005			<0.0005		
3/6/2020								<0.0005
3/9/2020				<0.0005	<0.0005		<0.0005	
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005		
9/10/2020					<0.0005			<0.0005
9/11/2020							<0.0005	
9/15/2020	<0.0005	<0.0005	<0.0005					
9/16/2020				<0.0005				
3/10/2021							<0.0005	
3/11/2021								<0.0005
3/12/2021					<0.0005			
3/16/2021	<0.0005		<0.0005	<0.0005				
3/17/2021		<0.0005						
3/29/2021						<0.0005		
8/4/2021					0.00012 (J)		9.4E-05 (J)	9E-05 (J)
8/6/2021				<0.0005				
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005		
1/31/2022					<0.0005		<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005					
2/2/2022				<0.0005		<0.0005		
8/10/2022					<0.0005			
8/11/2022								<0.0005
8/12/2022							<0.0005	
8/16/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005		
2/13/2023					<0.0005		<0.0005	0.00017 (J)
2/14/2023				<0.0005				
2/16/2023	0.00017 (J)	0.00013 (J)	<0.0005					
2/17/2023						0.00013 (J)		

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
12/12/2008						<0.0005	<0.0005	
4/23/2009						<0.0005	<0.0005	
10/6/2009						<0.0005	<0.0005	
4/27/2010						<0.0005		
5/3/2010							<0.0005	
9/30/2010						<0.0005		
10/11/2010							<0.0005	
4/14/2011						<0.0005		
4/27/2011							<0.0005	
10/5/2011						<0.0005		
10/19/2011							<0.0005	
4/11/2012						<0.0005		
5/1/2012							<0.0005	
10/2/2012						<0.0005	<0.0005	
4/9/2013						<0.0005		
4/10/2013							<0.0005	
10/15/2013						<0.0005		
10/16/2013							<0.0005	
4/10/2014						<0.0005		
4/22/2014							<0.0005	
10/1/2014						<0.0005	<0.0005	
3/30/2015						2.02E-05 (J)	<0.0005	
10/11/2015						<0.0005	<0.0005	
3/10/2016								<0.0005
3/11/2016		<0.0005	<0.0005	<0.0005				
3/15/2016	<0.0005							
3/28/2016						<0.0005	<0.0005	
5/13/2016	<0.0005		<0.0005	<0.0005				
5/16/2016		<0.0005						
5/17/2016								<0.0005
5/23/2016						<0.0005		
5/25/2016							<0.0005	
7/19/2016			<0.0005	<0.0005				
7/21/2016	<0.0005							
7/22/2016		<0.0005						
7/27/2016								<0.0005
8/1/2016						<0.0005	<0.0005	
9/16/2016			<0.0005	<0.0005				
9/19/2016		<0.0005						
9/20/2016								<0.0005
9/21/2016	<0.0005							
9/26/2016						<0.0005	<0.0005	
11/2/2016			<0.0005	<0.0005				
11/3/2016	<0.0005	<0.0005						
11/4/2016								<0.0005
11/10/2016						<0.0005		
11/11/2016							<0.0005	
1/17/2017	<0.0005	<0.0005						
1/18/2017			<0.0005	<0.0005				
1/23/2017								<0.0005
1/30/2017						<0.0005	<0.0005	
2/22/2017					<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
3/27/2017	<0.0005	<0.0005						
3/28/2017			<0.0005	<0.0005				<0.0005
4/3/2017							<0.0005	
4/7/2017					<0.0005	<0.0005		
6/6/2017	<0.0005		<0.0005	<0.0005				
6/7/2017		<0.0005						
6/8/2017								<0.0005
6/12/2017						<0.0005	<0.0005	
6/14/2017					0.000286 (JD)			
7/12/2017					<0.0005 (D)			
7/20/2017					<0.0005 (D)			
7/28/2017					<0.0005			
8/9/2017					<0.0005			
8/24/2017					<0.0005			
9/22/2017			<0.0005	<0.0005				
9/25/2017	<0.0005							
9/26/2017		<0.0005						
9/29/2017								<0.0005
10/2/2017						<0.0005	<0.0005	
10/3/2017					<0.0005 (D)			
3/14/2018	<0.0005	<0.0005	<0.0005					
3/15/2018				<0.0005				<0.0005
3/16/2018						<0.0005	<0.0005	
3/21/2018					<0.0005			
9/12/2018	<0.0005		<0.0005	3.9E-05 (J)				
9/13/2018								6.2E-05 (J)
9/14/2018		3.8E-05 (J)						
9/17/2018						<0.0005		
9/18/2018					<0.0005		<0.0005	
3/13/2019			<0.0005	<0.0005				
3/14/2019	<0.0005	<0.0005						
3/15/2019								<0.0005
3/19/2019						<0.0005	<0.0005	
3/21/2019					<0.0005 (D)			
9/10/2019	<0.0005	<0.0005						
9/11/2019			<0.0005	<0.0005				<0.0005 (D)
9/12/2019					<0.0005 (D)		<0.0005	
9/13/2019						<0.0005		
3/6/2020		<0.0005						
3/9/2020	<0.0005		<0.0005	<0.0005				<0.0005
3/11/2020						<0.0005	<0.0005	
3/12/2020					<0.0005			
9/10/2020	<0.0005	<0.0005						
9/11/2020			<0.0005					
9/14/2020				<0.0005				0.00015 (J)
9/15/2020							<0.0005	
9/16/2020						<0.0005		
9/17/2020					<0.0005			
3/10/2021	<0.0005							
3/11/2021		<0.0005	<0.0005	<0.0005				0.0002 (J)
3/16/2021					<0.0005			
3/17/2021						<0.0005	<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
8/4/2021	9.4E-05 (J)	8E-05 (J)						0.0005
8/5/2021				9.6E-05 (J)				
8/6/2021			<0.0005					
8/9/2021						<0.0005	<0.0005	
8/10/2021					<0.0005			
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005				0.00039
2/1/2022						<0.0005		
2/2/2022							<0.0005	
2/3/2022					<0.0005			
4/28/2022								0.0004
8/10/2022		<0.0005		<0.0005				
8/11/2022	<0.0005		<0.0005					
8/15/2022								0.00038
8/16/2022						<0.0005		
8/17/2022					<0.0005		<0.0005	
2/13/2023	0.00013 (J)	0.00014 (J)		<0.0005				
2/14/2023			<0.0005					0.00064
2/16/2023						<0.0005	<0.0005	
2/17/2023					<0.0005			
3/16/2023								0.00045 (R)

Time Series

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:16 AM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/14/2016					6.91			
3/15/2016							7.58	6.74
3/22/2016	7.65							
3/23/2016		6.7	7.45			5.96		
5/11/2016					6.51		7.24	
5/12/2016								6.41
5/16/2016				7.61 (D)				
5/19/2016	7.6		7.5					
5/20/2016		6.36						
5/23/2016						5.73		
7/19/2016					6.12			
7/20/2016								6.59
7/21/2016							7.53	
7/27/2016				7.51 (D)				
7/29/2016	7.58	6.75	7.59			5.51		
9/15/2016					5.96		7	
9/19/2016							7.19	
9/22/2016			7.44			5.45		
9/23/2016	7.57	6.62						
11/2/2016					5.78			
11/3/2016							7.13	6.45
11/9/2016	7.45	6.42						
11/10/2016			7.55			5.51		
1/17/2017							7.51	
1/18/2017					6.13			6.34
1/30/2017	7.64							
1/31/2017		5.66	7.56			5.42		
2/21/2017				7.76 (D)				
3/24/2017							7.55	6.42
3/27/2017				7.7 (D)				
3/28/2017					6.59			
3/30/2017	7.51	6.33				5.43		
4/3/2017			7.46					
5/24/2017							7.6	
6/6/2017								6.82
6/7/2017					6.72			
6/8/2017				7.69 (D)				
6/9/2017	7.6		7.24					
6/12/2017		6.6				5.47		
7/17/2017				7.57 (D)				
7/26/2017				7.63				
7/27/2017				7.63				
8/8/2017				7.73				
8/9/2017				7.73				
9/25/2017								6.63
9/26/2017					7.05		7.66	
9/29/2017				7.7 (D)				
10/2/2017	7.55	5.61	7.35					
10/4/2017						5.23		
12/28/2017					6.79 (Y)		7.34 (Y)	
3/14/2018					7.42		7.56	7.08
3/16/2018	7.58		7.31	7.49				

Time Series

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/19/2018		6.55				5.4		
9/12/2018					6.86		7.12	6.54
9/14/2018		5.81	7.55	7.32				
9/17/2018	7.53 (D)					5.22		
3/13/2019							7.12	
3/14/2019				7.46				6.58
3/15/2019					6.78			
3/19/2019			7.2					
3/20/2019	7.64	5.71				5.22		
9/9/2019					6.49		7.07	
9/10/2019				7.48				5.66
9/12/2019	7.36	5.45 (D)						
9/13/2019			7.29			5.07		
3/6/2020								6.82
3/9/2020				7.68	5.9		7.5	
3/11/2020	7.51	6.56	7.09			5.31		
9/10/2020					5.53			6.4
9/11/2020							6.98	
9/15/2020	7.43	6.38	7.45					
9/16/2020				7.68				
3/10/2021							7.3	
3/11/2021								6.8
3/12/2021					6.39			
3/16/2021	7.57		7.51	7.85				
3/17/2021		6.58						
3/29/2021						8.04		
8/4/2021					6.21		6.79	6.34
8/6/2021				7.09				
8/9/2021	7.44	6.47	6.63			7.85		
1/31/2022					6.41		6.85	6.02
2/1/2022	7.52	6.3	6.62					
2/2/2022				6.89		7.94		
8/10/2022					6.07			
8/11/2022								6.29
8/12/2022							6.83	
8/16/2022	7.36	6.63	7.11	7.45		7.74		
2/13/2023					6.35		6.94	6.25
2/14/2023				7.48				
2/16/2023	7.39	6.56	7.02					
2/17/2023						7.71		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/14/2016					106			
3/15/2016							107	110
3/22/2016	150							
3/23/2016		259	174			<25		
5/11/2016					58		80	
5/12/2016								49
5/16/2016				114 (D)				
5/19/2016	150		93					
5/20/2016		122						
5/23/2016						<25		
7/19/2016					46			
7/20/2016								72
7/21/2016							76	
7/27/2016				107 (D)				
7/29/2016	146	156	68			17 (J)		
9/15/2016					41			18 (J)
9/19/2016							108	
9/22/2016			91			33		
9/23/2016	163	150						
11/2/2016					37			
11/3/2016							90	70
11/9/2016	147	87						
11/10/2016			96			41		
1/17/2017							128	
1/18/2017					29			63
1/30/2017	127							
1/31/2017		63	206			58		
2/21/2017				229 (D)				
3/24/2017							91	63
3/27/2017				239 (D)				
3/28/2017					40			
3/30/2017	137	112				<25		
4/3/2017			118					
5/24/2017							152	
6/6/2017								128
6/8/2017				179 (D)				
6/9/2017	164		87					
6/12/2017		216				20 (J)		
7/17/2017				180 (D)				
7/27/2017				190 (D)				
8/9/2017				153 (D)				
9/25/2017								109
9/26/2017					107		103	
9/29/2017				173 (D)				
10/2/2017	137	<25	73					
10/4/2017						<25		
3/14/2018					126		123	192
3/16/2018	140		130	150				
3/19/2018		295				<25		
9/12/2018					134		105	82
9/14/2018		30	103	165				
9/17/2018	162					32		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/13/2019							130	
3/14/2019				154				119
3/15/2019					107			
3/19/2019			208					
3/20/2019	175	49				30		
9/9/2019					93		108	
9/10/2019				181				36
9/12/2019	174	44						
9/13/2019			113			19		
3/6/2020								137
3/9/2020				173	58		131	
3/11/2020	172	309	170			24		
9/10/2020					16			35
9/11/2020							102	
9/15/2020	156	28	89					
9/16/2020				156				
3/10/2021							60	
3/11/2021								101
3/12/2021					55			
3/16/2021	155		102	142				
3/17/2021		211						
3/29/2021						76		
8/4/2021					60		66	77
8/6/2021				133				
8/9/2021	150	207	127			95		
1/31/2022					61		81	63
2/1/2022	143	202	114					
2/2/2022				143		104		
8/10/2022					50			
8/11/2022								73
8/12/2022							91	
8/16/2022	159	182	123	125		85		
2/13/2023					105 (J)		259 (J)	111 (J)
2/14/2023				149 (J)				
2/16/2023	152 (J)	267 (J)	197 (J)					
2/17/2023						117 (J)		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13
3/11/2016		139	69	144				
3/15/2016	78							
3/28/2016						<25	46	
4/4/2016								156
5/13/2016	178		88	142				
5/16/2016		112						
5/23/2016						32		
5/25/2016							57	
5/31/2016								192
7/19/2016			56	135				
7/21/2016	168							
7/22/2016		136						
8/1/2016						<25	<25	
8/4/2016								269
9/16/2016			31	144				
9/19/2016		121						
9/21/2016	123							
9/26/2016						45	60	
9/29/2016								288
11/2/2016			48	152				
11/3/2016	157	132						
11/10/2016						38		
11/11/2016							13 (J)	
11/28/2016								224
1/17/2017	170	150						
1/18/2017			44	125				
1/30/2017						<25	<25	
2/9/2017								386
2/22/2017					329 (D)			
3/27/2017	158	148						
3/28/2017			<35	109				
4/3/2017							100	
4/7/2017					295 (D)	18 (J)		
4/12/2017								254
6/6/2017	212		36	154				
6/7/2017		181						
6/12/2017						15 (J)	51	
6/14/2017					237 (D)			
6/16/2017								309
7/12/2017					400 (D)			
7/20/2017					203 (D)			
7/28/2017					262 (D)			
8/9/2017					195 (D)			
8/24/2017					236 (D)			
9/22/2017			41	157				
9/25/2017	145							
9/26/2017		113						
10/2/2017						17 (J)	32	
10/3/2017					224 (D)			
10/9/2017								269
3/14/2018	210	134	<35					
3/15/2018				117				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13
3/16/2018						<25	<25	
3/21/2018					237			211
9/12/2018	159		<35	151				
9/14/2018		139						
9/17/2018						38		
9/18/2018					227		15 (J)	
9/19/2018								222
3/13/2019			31	152				
3/14/2019	157	157						
3/19/2019						34	48	
3/21/2019					367 (D)			
3/23/2019								135
9/10/2019	113	105						
9/11/2019			21	151				
9/12/2019					200 (D)		46	
9/13/2019						19		
9/18/2019								200
3/6/2020		143						
3/9/2020	249		51	174				
3/11/2020						17	24	
3/12/2020					247			
3/13/2020								143
9/10/2020	111	120						
9/11/2020			31					
9/14/2020				146				
9/15/2020							12	
9/16/2020						20		
9/17/2020					223			
9/22/2020								176
3/10/2021	148							
3/11/2021		109	14	98				
3/16/2021					196			
3/17/2021						<25	31	
3/18/2021								82
8/4/2021	176	141						
8/5/2021				126				
8/6/2021			33					
8/9/2021						14	<25	
8/10/2021					238			
8/11/2021								131
1/31/2022	184	132	25	128				
2/1/2022						21		
2/2/2022							15	
2/3/2022					243			
2/17/2022								119
8/10/2022		134		145				
8/11/2022	170		28					
8/16/2022						<25		
8/17/2022					226		18 (J)	
8/18/2022								132
2/13/2023	163 (J)	226		126				
2/14/2023			60.9					

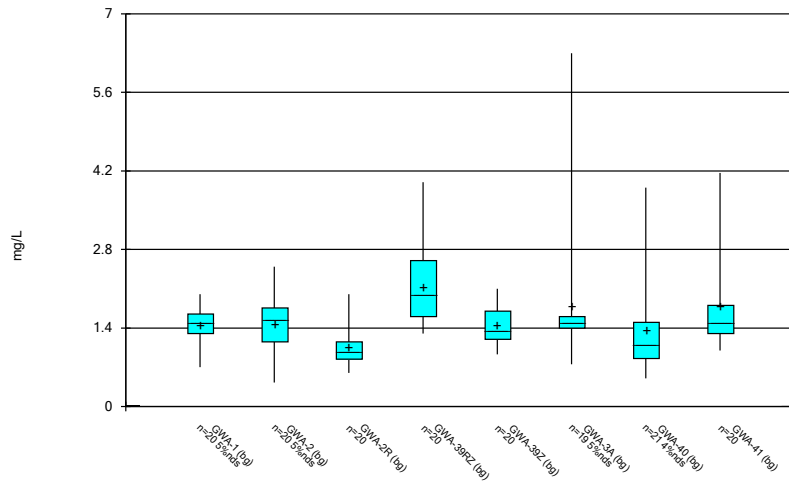
Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13
2/16/2023						<25	<25	
2/17/2023					252 (J)			
2/22/2023								1020
4/11/2023								120 (R)

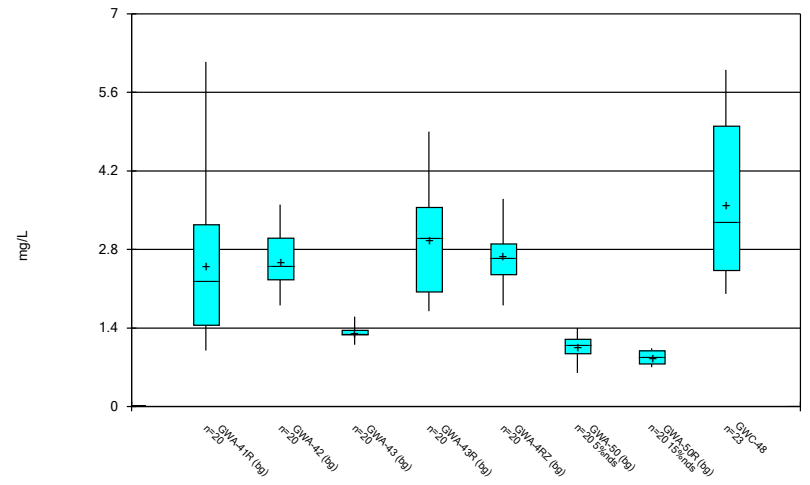
FIGURE N.

Box & Whiskers Plot



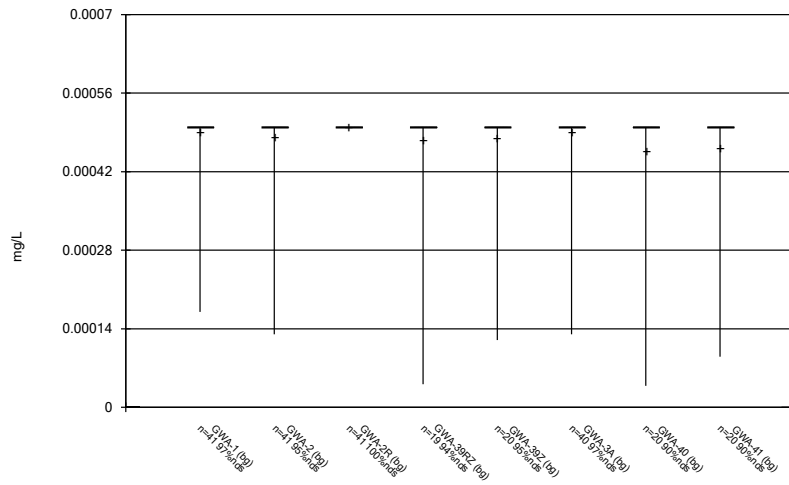
Constituent: Chloride, Total Analysis Run 4/26/2023 10:17 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



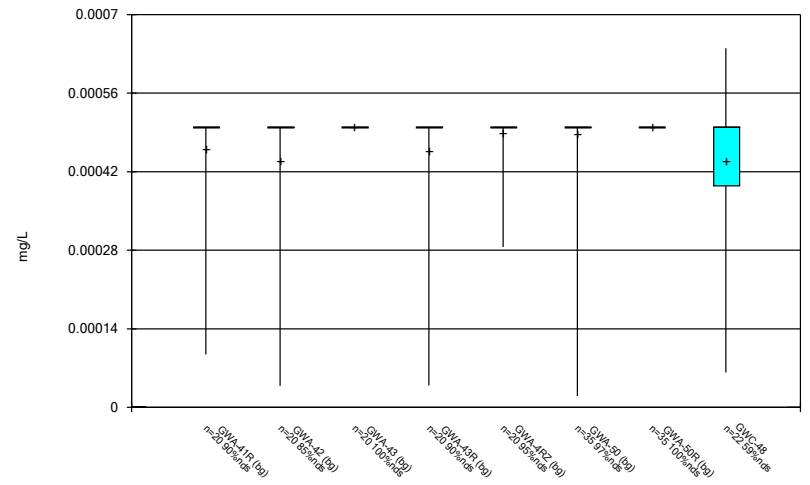
Constituent: Chloride, Total Analysis Run 4/26/2023 10:17 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



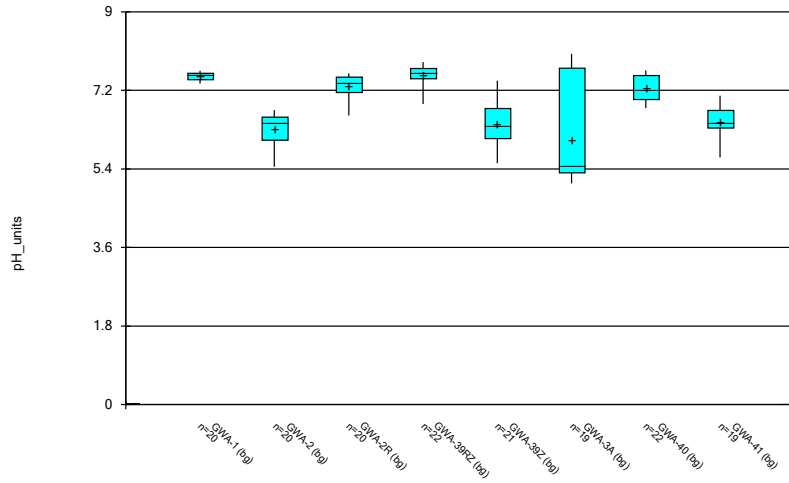
Constituent: Mercury Analysis Run 4/26/2023 10:17 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



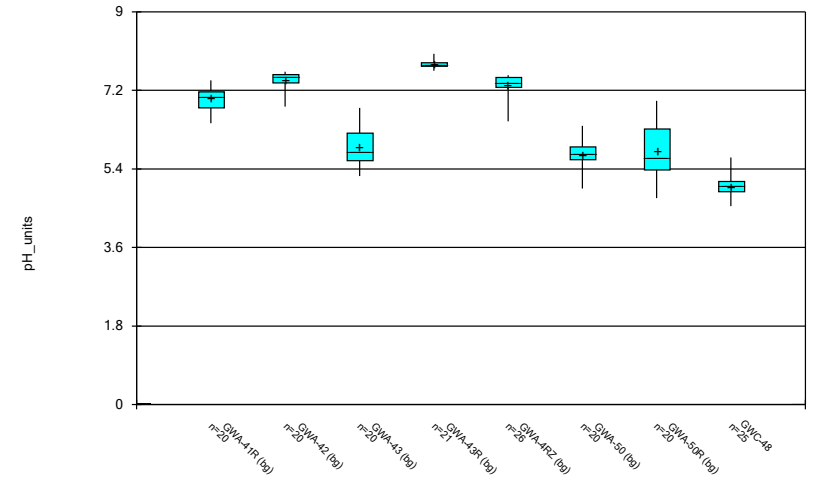
Constituent: Mercury Analysis Run 4/26/2023 10:17 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



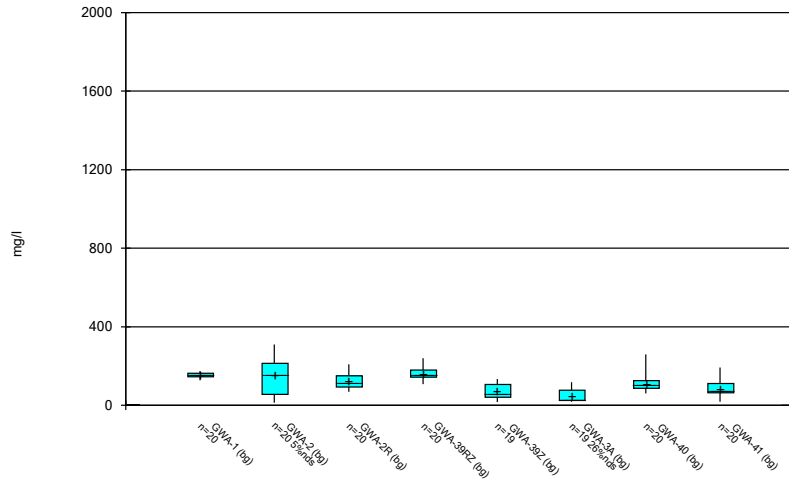
Constituent: pH Analysis Run 4/26/2023 10:18 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



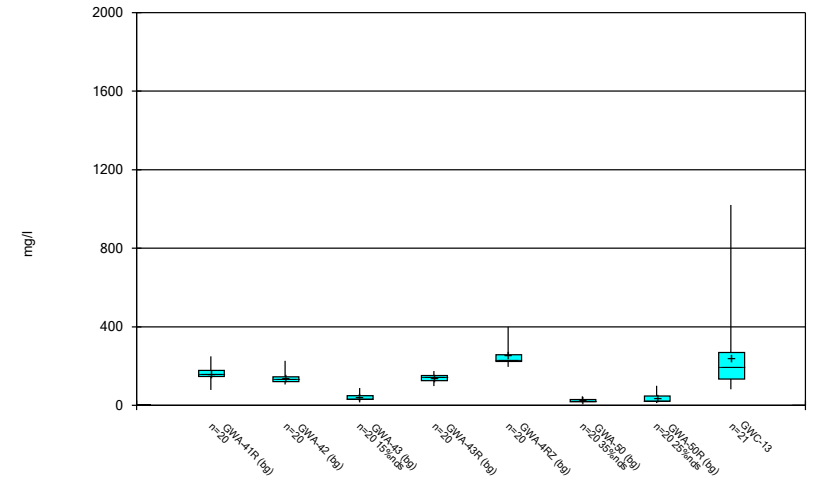
Constituent: pH Analysis Run 4/26/2023 10:18 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/26/2023 10:18 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/26/2023 10:18 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE O.

Appendix III Intrawell Prediction Limits - 4/2023 Resample - All Results (No Significant)

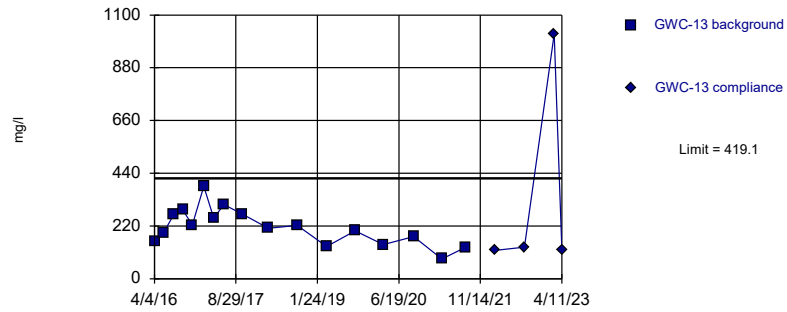
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	4/11/2023	120	No	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=214.5, Std. Dev.=76.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.982, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/26/2023 10:23 AM View: Appendix III Intrawell - Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:25 AM View: Appendix III Intrawell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	156	
5/31/2016	192	
8/4/2016	269	
9/29/2016	288	
11/28/2016	224	
2/9/2017	386	
4/12/2017	254	
6/16/2017	309	
10/9/2017	269	
3/21/2018	211	
9/19/2018	222	
3/23/2019	135	
9/18/2019	200	
3/13/2020	143	
9/22/2020	176	
3/18/2021	82	
8/11/2021	131	
2/17/2022		119
8/18/2022		132
2/22/2023		1020
4/11/2023		120 (R)

FIGURE P.

Appendix I Interwell Prediction Limits - 3/2023 Resample - All Results (No Significant)

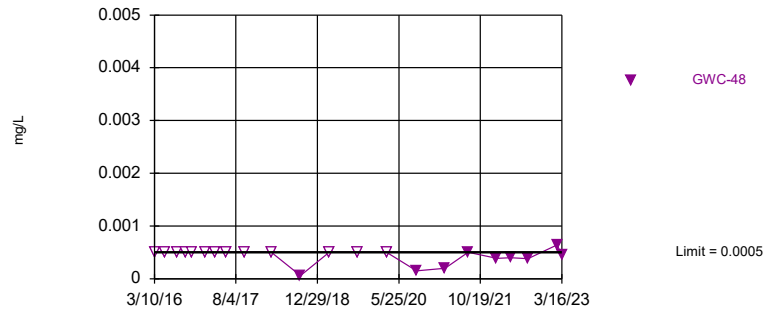
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 11:47 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-48	0.0005	n/a	3/16/2023	0.00045	No	412	n/a	n/a	95.39	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 412 background values. 95.39% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Mercury Analysis Run 4/13/2023 11:46 AM View: Appendix I Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005	<0.0005					
10/23/2007	<0.0005								
10/24/2007		<0.0005		<0.0005					
11/2/2007			<0.0005						
11/18/2007	<0.0005	<0.0005	<0.0005	<0.0005					
1/30/2008	<0.0005								
1/31/2008		<0.0005	<0.0005	<0.0005					
3/10/2008	<0.0005	<0.0005							
3/11/2008			<0.0005	<0.0005					
5/6/2008				0.000175					
5/13/2008	<0.0005	<0.0005							
5/14/2008			<0.0005						
12/4/2008		<0.0005		<0.0005					
12/5/2008	<0.0005		<0.0005						
12/12/2008					<0.0005	<0.0005			
4/15/2009	<0.0005		<0.0005						
4/21/2009		<0.0005		<0.0005					
4/23/2009					<0.0005	<0.0005			
10/6/2009					<0.0005	<0.0005			
10/7/2009	<0.0005			<0.0005					
10/8/2009		<0.0005	<0.0005						
4/21/2010		<0.0005							
4/26/2010				<0.0005					
4/27/2010								<0.0005	
4/28/2010			<0.0005						
5/3/2010	<0.0005				<0.0005				
9/28/2010		<0.0005							
9/30/2010								<0.0005	
10/4/2010				<0.0005					
10/6/2010			<0.0005						
10/11/2010					<0.0005				
10/12/2010	<0.0005								
4/12/2011		<0.0005							
4/13/2011				<0.0005					
4/14/2011								<0.0005	
4/21/2011			<0.0005						
4/27/2011	<0.0005				<0.0005				
10/4/2011		<0.0005							
10/5/2011				<0.0005				<0.0005	
10/13/2011			<0.0005						
10/17/2011	<0.0005								
10/19/2011					<0.0005				
4/3/2012		<0.0005							
4/11/2012				<0.0005				<0.0005	
5/1/2012			<0.0005		<0.0005				
5/2/2012	<0.0005								
10/2/2012					<0.0005	<0.0005			
10/8/2012	<0.0005								
10/9/2012		<0.0005	<0.0005	<0.0005					
4/9/2013								<0.0005	
4/10/2013					<0.0005				
4/11/2013		<0.0005	<0.0005						

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
4/12/2013	<0.0005								
4/15/2013				<0.0005					
10/15/2013				<0.0005		<0.0005			
10/16/2013	<0.0005	<0.0005	<0.0005		<0.0005				
4/10/2014		<0.0005				<0.0005			
4/11/2014	<0.0005								
4/22/2014				<0.0005	<0.0005				
4/23/2014			<0.0005						
9/30/2014	<0.0005	<0.0005		<0.0005					
10/1/2014					<0.0005	<0.0005			
10/4/2014			<0.0005						
3/30/2015	<0.0005	<0.0005		<0.0005	<0.0005	2.02E-05 (J)			
3/31/2015			<0.0005						
10/11/2015					<0.0005	<0.0005			
10/12/2015			<0.0005						
10/13/2015	<0.0005	<0.0005		<0.0005					
3/10/2016							<0.0005		
3/11/2016								<0.0005	<0.0005
3/14/2016									
3/15/2016									
3/22/2016	<0.0005								
3/23/2016		<0.0005	<0.0005	<0.0005					
3/28/2016					<0.0005	<0.0005			
5/11/2016									
5/12/2016									
5/13/2016								<0.0005	<0.0005
5/16/2016									
5/17/2016							<0.0005		
5/19/2016	<0.0005	<0.0005							
5/20/2016				<0.0005					
5/23/2016			<0.0005			<0.0005			
5/25/2016					<0.0005				
7/19/2016								<0.0005	<0.0005
7/20/2016									
7/21/2016									
7/22/2016									
7/27/2016							<0.0005		
7/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
8/1/2016					<0.0005	<0.0005			
9/15/2016									
9/16/2016								<0.0005	<0.0005
9/19/2016									
9/20/2016							<0.0005		
9/21/2016									
9/22/2016		<0.0005	<0.0005						
9/23/2016	<0.0005			<0.0005					
9/26/2016					<0.0005	<0.0005			
11/2/2016								<0.0005	<0.0005
11/3/2016									
11/4/2016							<0.0005		
11/9/2016	<0.0005			<0.0005					
11/10/2016		<0.0005	<0.0005			<0.0005			

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
11/11/2016					<0.0005				
1/17/2017									
1/18/2017								<0.0005	<0.0005
1/23/2017							<0.0005		
1/30/2017	<0.0005				<0.0005	<0.0005			
1/31/2017		<0.0005	<0.0005	<0.0005					
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017							<0.0005	<0.0005	<0.0005
3/30/2017	<0.0005		<0.0005	<0.0005					
4/3/2017		<0.0005			<0.0005				
4/7/2017						<0.0005			
5/24/2017									
6/6/2017								<0.0005	<0.0005
6/7/2017									
6/8/2017							<0.0005		
6/9/2017	<0.0005	<0.0005							
6/12/2017			<0.0005	<0.0005	<0.0005	<0.0005			
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017								<0.0005	<0.0005
9/25/2017									
9/26/2017									
9/29/2017							<0.0005		
10/2/2017	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
10/3/2017									
10/4/2017			<0.0005						
3/14/2018									<0.0005
3/15/2018							<0.0005	<0.0005	
3/16/2018	<0.0005	<0.0005			<0.0005	<0.0005			
3/19/2018			<0.0005	<0.0005					
3/21/2018									
9/12/2018								3.9E-05 (J)	<0.0005
9/13/2018							6.2E-05 (J)		
9/14/2018		<0.0005		<0.0005					
9/17/2018	<0.0005 (D)		<0.0005			<0.0005			
9/18/2018					<0.0005				
3/13/2019								<0.0005	<0.0005
3/14/2019									
3/15/2019							<0.0005		
3/19/2019		<0.0005			<0.0005	<0.0005			
3/20/2019	<0.0005		<0.0005	<0.0005					
3/21/2019									
9/9/2019									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
9/10/2019									
9/11/2019							<0.0005 (D)	<0.0005	<0.0005
9/12/2019	<0.0005			<0.0005 (D)	<0.0005				
9/13/2019		<0.0005	<0.0005			<0.0005			
3/6/2020									
3/9/2020							<0.0005	<0.0005	<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
3/12/2020									
9/10/2020									
9/11/2020									<0.0005
9/14/2020							0.00015 (J)	<0.0005	
9/15/2020	<0.0005	<0.0005		<0.0005	<0.0005				
9/16/2020						<0.0005			
9/17/2020									
3/10/2021									
3/11/2021							0.0002 (J)	<0.0005	<0.0005
3/12/2021									
3/16/2021	<0.0005	<0.0005							
3/17/2021				<0.0005	<0.0005	<0.0005			
3/29/2021			<0.0005						
8/4/2021							0.0005		
8/5/2021								9.6E-05 (J)	
8/6/2021									<0.0005
8/9/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
8/10/2021									
1/31/2022							0.00039	<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005		<0.0005		<0.0005			
2/2/2022			<0.0005		<0.0005				
2/3/2022									
4/28/2022							0.0004		
8/10/2022								<0.0005	
8/11/2022									<0.0005
8/12/2022									
8/15/2022							0.00038		
8/16/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005			
8/17/2022					<0.0005				
2/13/2023								<0.0005	
2/14/2023							0.00064		<0.0005
2/16/2023	0.00017 (J)	<0.0005		0.00013 (J)	<0.0005	<0.0005			
2/17/2023			0.00013 (J)						
3/16/2023							0.00045 (R)		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-42 (bg) GWA-39Z (bg) GWA-40 (bg) GWA-41 (bg) GWA-41R (bg) GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/10/2016							
3/11/2016	<0.0005						
3/14/2016		<0.0005					
3/15/2016			<0.0005	<0.0005	<0.0005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016		<0.0005	<0.0005				
5/12/2016				<0.0005			
5/13/2016					<0.0005		
5/16/2016	<0.0005					<0.0005 (D)	
5/17/2016							
5/19/2016							
5/20/2016							
5/23/2016							
5/25/2016							
7/19/2016		<0.0005					
7/20/2016				<0.0005			
7/21/2016			<0.0005		<0.0005		
7/22/2016	<0.0005						
7/27/2016						<0.0005 (D)	
7/29/2016							
8/1/2016							
9/15/2016		<0.0005	<0.0005	<0.0005			
9/16/2016							
9/19/2016	<0.0005						
9/20/2016							
9/21/2016					<0.0005		
9/22/2016							
9/23/2016							
9/26/2016							
11/2/2016		<0.0005					
11/3/2016	<0.0005		<0.0005	<0.0005	<0.0005		
11/4/2016							
11/9/2016							
11/10/2016							

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
11/11/2016							
1/17/2017	<0.0005		<0.0005		<0.0005		
1/18/2017		<0.0005		<0.0005			
1/23/2017							
1/30/2017							
1/31/2017							
2/21/2017						<0.0005	
2/22/2017							<0.0005
3/24/2017			<0.0005	<0.0005			
3/27/2017	<0.0005				<0.0005	<0.0005 (D)	
3/28/2017		<0.0005					
3/30/2017							
4/3/2017							
4/7/2017							<0.0005
5/24/2017			<0.0005				
6/6/2017				<0.0005	<0.0005		
6/7/2017	<0.0005	<0.0005					
6/8/2017						<0.0005 (D)	
6/9/2017							
6/12/2017							
6/14/2017							0.000286 (JD)
7/12/2017							<0.0005 (D)
7/17/2017						<0.0005 (D)	
7/20/2017							<0.0005 (D)
7/27/2017						<0.0005	
7/28/2017							<0.0005
8/9/2017						<0.0005	<0.0005
8/24/2017							<0.0005
9/22/2017							
9/25/2017				<0.0005	<0.0005		
9/26/2017	<0.0005	<0.0005	<0.0005				
9/29/2017						<0.0005 (D)	
10/2/2017							
10/3/2017							<0.0005 (D)
10/4/2017							
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
3/15/2018							
3/16/2018						<0.0005	
3/19/2018							
3/21/2018							<0.0005
9/12/2018		<0.0005	3.8E-05 (J)	<0.0005	<0.0005		
9/13/2018							
9/14/2018	3.8E-05 (J)					4.1E-05 (J)	
9/17/2018							
9/18/2018							<0.0005
3/13/2019			<0.0005				
3/14/2019	<0.0005			<0.0005	<0.0005	<0.0005	
3/15/2019		<0.0005					
3/19/2019							
3/20/2019							
3/21/2019							<0.0005 (D)
9/9/2019		<0.0005	<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
9/10/2019	<0.0005			<0.0005 (D)	<0.0005		
9/11/2019							
9/12/2019							<0.0005 (D)
9/13/2019							
3/6/2020	<0.0005			<0.0005			
3/9/2020		<0.0005	<0.0005		<0.0005	<0.0005	
3/11/2020							
3/12/2020							<0.0005
9/10/2020	<0.0005	<0.0005		<0.0005	<0.0005		
9/11/2020			<0.0005				
9/14/2020							
9/15/2020							
9/16/2020						<0.0005	
9/17/2020							<0.0005
3/10/2021			<0.0005		<0.0005		
3/11/2021	<0.0005			<0.0005			
3/12/2021		<0.0005					
3/16/2021						<0.0005	<0.0005
3/17/2021							
3/29/2021							
8/4/2021	8E-05 (J)	0.00012 (J)	9.4E-05 (J)	9E-05 (J)	9.4E-05 (J)		
8/5/2021							
8/6/2021						<0.0005	
8/9/2021							
8/10/2021							<0.0005
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
2/1/2022							
2/2/2022						<0.0005	
2/3/2022							<0.0005
4/28/2022							
8/10/2022	<0.0005	<0.0005					
8/11/2022				<0.0005	<0.0005		
8/12/2022			<0.0005				
8/15/2022							
8/16/2022						<0.0005	
8/17/2022							<0.0005
2/13/2023	0.00014 (J)	<0.0005	<0.0005	0.00017 (J)	0.00013 (J)		
2/14/2023						<0.0005	
2/16/2023							
2/17/2023							<0.0005
3/16/2023							

FIGURE Q.

Appendix III Interwell Prediction Limits - 3/2023 & 4/2023 Resample - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:29 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH_units)	GWC-48	8.04	4.73	3/16/2023	4.55	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

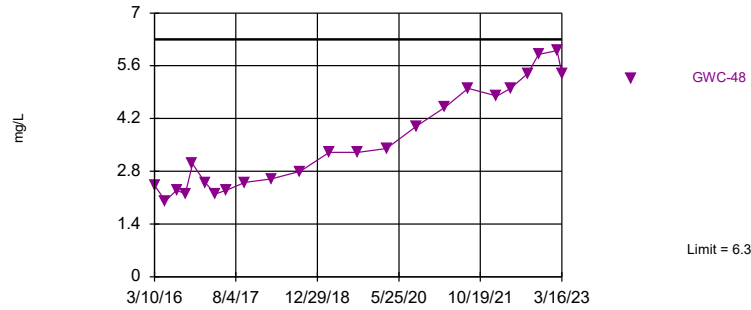
Appendix III Interwell Prediction Limits - 3/2023 & 4/2023 Resample - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:29 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Chloride, Total (mg/L)	GWC-48	6.3	n/a	3/16/2023	5.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	4.73	4/11/2023	6.69	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	4.73	3/16/2023	4.55	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

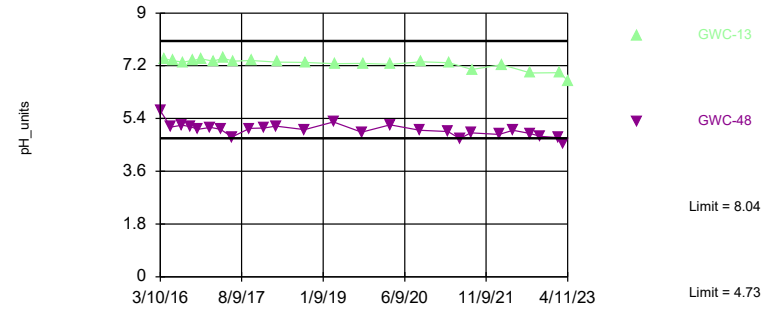


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 300 background values. 2.667% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Chloride, Total Analysis Run 4/26/2023 10:27 AM View: Appendix III Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limits: GWC-48

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 310 background values. Annual per-constituent alpha = 0.005086. Individual comparison alpha = 0.00009793 (1 of 2). Comparing 2 points to limit. Assumes 24 future values.

Constituent: pH Analysis Run 4/26/2023 10:27 AM View: Appendix III Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-1 (bg)
3/10/2016	2.4266								
3/11/2016		1.9467	2.4984	1.2562					
3/14/2016					1.795				
3/15/2016						6.1465	1.1671	4.1666	
3/22/2016									1.5101
3/23/2016									
3/28/2016									
5/11/2016					2.04		0.8763		
5/12/2016								1.78	
5/13/2016		2.14		1.32		3.08			
5/16/2016			2.22						
5/17/2016	2.01								
5/19/2016									1.5
5/20/2016									
5/23/2016									
5/25/2016									
7/19/2016		3.1		1.3	2.1				
7/20/2016								1.8	
7/21/2016						3.7	1.4		
7/22/2016			2.6						
7/27/2016	2.3								
7/29/2016									1.7
8/1/2016									
9/15/2016					1.7			1.4	
9/16/2016		3.5		1.2					
9/19/2016			2.5				1.1		
9/20/2016	2.2								
9/21/2016					2.4				
9/22/2016									
9/23/2016									1.8
9/26/2016									
11/2/2016		4.7		1.4	1.8				
11/3/2016			3			3.4	1.2	1.6	
11/4/2016	3								
11/9/2016									2
11/10/2016									
11/11/2016									
1/17/2017			2.9			1.9	1		
1/18/2017		4.9		1.2	1.7			1.5	
1/23/2017	2.5								
1/30/2017									1.5
1/31/2017									
2/21/2017									
2/22/2017									
3/24/2017							1.2	1.4	
3/27/2017			3			2.4			
3/28/2017	2.2	4.1		1.4	1.3				
3/30/2017									1.8
4/3/2017									
4/7/2017									
5/24/2017							1.5		
6/6/2017		3.6		1.4		4.5		2.8	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-1 (bg)
6/7/2017			3		1.2				
6/8/2017	2.3								
6/9/2017									1.6
6/12/2017									
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017		3.9		1.3					
9/25/2017						2.5		1.8	
9/26/2017			3.1		1.7		2.4		
9/29/2017	2.5								
10/2/2017									1.6
10/3/2017									
10/4/2017									
12/28/2017							3.9 (Y)		
3/14/2018			3.2	1.3	1.4	4 (J)	2.4	3	
3/15/2018	2.6	2.8							
3/16/2018									1.7
3/19/2018									
3/21/2018									
9/12/2018		3.1		1.3	1.6	2.1	1	1.4	
9/13/2018	2.8								
9/14/2018			2.3						
9/17/2018									1.55 (D)
9/18/2018									
3/13/2019		2.9		1.6			2.2		
3/14/2019			3.6			2.9		2.6	
3/15/2019	3.3				1.7				
3/19/2019									
3/20/2019									<1
3/21/2019									
9/9/2019					1.2		0.83 (X)		
9/10/2019			2			1.7		1.1	
9/11/2019	3.3	3.1		1.3					
9/12/2019									1.3
9/13/2019									
3/6/2020			2.7					1.3	
3/9/2020	3.4	2.2		1.2	1.2	1.3	1.5		
3/11/2020									1.4
3/12/2020									
9/10/2020			2		1.2	1.4		1.2	
9/11/2020				1.3			0.77 (J)		
9/14/2020	4	3.3							
9/15/2020									1.3
9/16/2020									
9/17/2020									
3/10/2021						1.6	0.97 (J)		

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-1 (bg)
3/11/2021	4.5	2.7	2.5	1.3				1.5	
3/12/2021					1.2				
3/16/2021									1.3
3/17/2021									
3/29/2021									
8/4/2021	5		2.3		1.1	1.3	0.82 (J)	1.2	
8/5/2021		1.9							
8/6/2021				1.3					
8/9/2021									1.3
8/10/2021									
1/31/2022	4.8	1.7	2	1.1	1	1	0.71 (J)	1	
2/1/2022									1.2
2/2/2022									
2/3/2022									
4/28/2022	5								
8/10/2022		1.7	1.8		0.93 (J)				
8/11/2022				1.4		1.4		1.3	
8/12/2022							<1		
8/15/2022	5.4								
8/16/2022									0.99 (J)
8/17/2022									
10/21/2022	5.9 (R)								
2/13/2023		1.8	2.4		1.3	1.5	1.1	1.6	
2/14/2023	6			1.3					
2/16/2023									1.2
2/17/2023									
3/16/2023	5.4 (R)								

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/10/2016							
3/11/2016							
3/14/2016							
3/15/2016							
3/22/2016							
3/23/2016	0.9079	1.6092	2.4904				
3/28/2016				1.14	0.9204		
5/11/2016							
5/12/2016							
5/13/2016							
5/16/2016						1.74 (D)	
5/17/2016							
5/19/2016	0.9136						
5/20/2016			1.71				
5/23/2016		1.52		1.19			
5/25/2016					1.04		
7/19/2016							
7/20/2016							
7/21/2016							
7/22/2016							
7/27/2016						2.1 (D)	
7/29/2016	1.1	1.5	2				
8/1/2016				1.2	0.85		
9/15/2016							
9/16/2016							
9/19/2016							
9/20/2016							
9/21/2016							
9/22/2016	1	1.4					
9/23/2016			1.8				
9/26/2016				1.1	0.87		
11/2/2016							
11/3/2016							
11/4/2016							
11/9/2016			1.6				
11/10/2016	1.2	1.6		1.3			
11/11/2016					0.99		
1/17/2017							
1/18/2017							
1/23/2017							
1/30/2017				1.2	0.95		
1/31/2017	1.2	1.6	1.3				
2/21/2017						4 (D)	
2/22/2017							3.7 (D)
3/24/2017							
3/27/2017						2.6 (D)	
3/28/2017							
3/30/2017		1.4	1.6				
4/3/2017	0.99				0.88		
4/7/2017				1.2			2.5 (D)
5/24/2017							
6/6/2017							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
6/7/2017							
6/8/2017						2.1 (D)	
6/9/2017	0.87						
6/12/2017		1.4	1.6	1.1	0.83		
6/14/2017							2.6 (D)
7/12/2017							2.8 (D)
7/17/2017						1.9 (D)	
7/20/2017							2.3 (D)
7/27/2017						3 (D)	
7/28/2017							2 (D)
8/9/2017						2.5 (D)	1.8 (D)
8/24/2017							2.9 (D)
9/22/2017							
9/25/2017							
9/26/2017							
9/29/2017						2.7 (D)	
10/2/2017	1		0.94	1.2	0.94		
10/3/2017							2.8 (D)
10/4/2017		1.5					
12/28/2017							
3/14/2018							
3/15/2018							
3/16/2018	1.6			1.4	<1	2.6	
3/19/2018		1.5	1.9				
3/21/2018							2.9
9/12/2018							
9/13/2018							
9/14/2018	0.92		0.98			1.9	
9/17/2018		1.5		1.1			
9/18/2018					1		3.1
3/13/2019							
3/14/2019						2.8	
3/15/2019							
3/19/2019	2			<1	<1		
3/20/2019		<1	<1				
3/21/2019							3.6 (D)
9/9/2019							
9/10/2019						2.3	
9/11/2019							
9/12/2019			0.815 (JD)		0.74 (J)		2.1 (D)
9/13/2019	0.94 (J)	1.5		1			
3/6/2020							
3/9/2020						1.5	
3/11/2020	0.6 (J)	1.4	2	0.91 (J)	0.73 (J)		
3/12/2020							2.3
9/10/2020							
9/11/2020							
9/14/2020							
9/15/2020	0.75 (J)		1.2		0.7 (J)		
9/16/2020				0.97 (J)		1.7	
9/17/2020							2.4
3/10/2021							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/11/2021							
3/12/2021							
3/16/2021	0.73 (J)					1.3	2.7
3/17/2021			1.4	1 (J)	0.81 (J)		
3/29/2021		1.5					
8/4/2021							
8/5/2021							
8/6/2021						1.3	
8/9/2021	1.1	1.4	1.5	1 (J)	0.78 (J)		
8/10/2021							2.8
1/31/2022							
2/1/2022	0.77 (J)		1.4	0.91 (J)			
2/2/2022		1.9			0.7 (J)	1.5	
2/3/2022							2.6
4/28/2022							
8/10/2022							
8/11/2022							
8/12/2022							
8/15/2022							
8/16/2022	0.82 (J)	2.5	1.1	0.69 (J)		1.6	
8/17/2022					<1		2.6
10/21/2022							
2/13/2023							
2/14/2023						1.6	
2/16/2023	1.9		1.6	0.91 (J)	0.71 (J)		
2/17/2023		6.3					3
3/16/2023							

Prediction Limit

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-1 (bg)
3/10/2016	5.66								
3/11/2016		7.89	6.43	7.37					
3/14/2016					6.91				
3/15/2016						7.58	6.74	7.15	
3/22/2016									7.65
3/23/2016									
3/28/2016									
4/4/2016									
5/11/2016					6.51	7.24			
5/12/2016							6.41		
5/13/2016		7.86	6.8					7.29	
5/16/2016				7.55					
5/17/2016	5.11								
5/19/2016									7.6
5/20/2016									
5/23/2016									
5/25/2016									
5/31/2016									
7/19/2016		7.83	6.42		6.12				
7/20/2016							6.59		
7/21/2016						7.53		7.43	
7/22/2016				7.51					
7/27/2016	5.17								
7/29/2016									7.58
8/1/2016									
8/4/2016									
9/15/2016					5.96	7			
9/16/2016		7.75	6.19						
9/19/2016				7.52		7.19			
9/20/2016	5.12								
9/21/2016								7.05	
9/22/2016									
9/23/2016									7.57
9/26/2016									
9/29/2016									
11/2/2016		7.77	6.36		5.78				
11/3/2016				7.56		7.13	6.45	7.4	
11/4/2016	5.03								
11/9/2016									7.45
11/10/2016									
11/11/2016									
11/28/2016									
1/17/2017				7.59		7.51		7.06	
1/18/2017		7.65	6.16		6.13		6.34		
1/23/2017	5.1								
1/30/2017									7.64
1/31/2017									
2/9/2017									
2/21/2017									
2/22/2017									
3/24/2017						7.55	6.42		
3/27/2017				7.63				7.13	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWC-48

GWA-43R (bg)

GWA-43 (bg)

GWA-42 (bg)

GWA-39Z (bg)

GWA-40 (bg)

GWA-41 (bg)

GWA-41R (bg)

GWA-1 (bg)

4/11/2023

Prediction Limit

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
3/10/2016								
3/11/2016								
3/14/2016								
3/15/2016								
3/22/2016								
3/23/2016	5.96	6.7	7.45					
3/28/2016				6.45	6.22			
4/4/2016						7.44		
5/11/2016								
5/12/2016								
5/13/2016								
5/16/2016							7.61 (D)	
5/17/2016								
5/19/2016			7.5					
5/20/2016		6.36						
5/23/2016	5.73				5.86			
5/25/2016				6.96				
5/31/2016						7.37		
7/19/2016								
7/20/2016								
7/21/2016								
7/22/2016								
7/27/2016							7.51 (D)	
7/29/2016	5.51	6.75	7.59					
8/1/2016				5.64	6.39			
8/4/2016						7.32		
9/15/2016								
9/16/2016								
9/19/2016								
9/20/2016								
9/21/2016								
9/22/2016	5.45		7.44					
9/23/2016		6.62						
9/26/2016				6.26	5.74			
9/29/2016						7.38		
11/2/2016								
11/3/2016								
11/4/2016								
11/9/2016		6.42						
11/10/2016	5.51		7.55		5.78			
11/11/2016				5.62				
11/28/2016						7.43		
1/17/2017								
1/18/2017								
1/23/2017								
1/30/2017				5.49	5.88			
1/31/2017	5.42	5.66	7.56					
2/9/2017						7.36		
2/21/2017							7.76 (D)	
2/22/2017								7.38 (D)
3/24/2017								
3/27/2017							7.7 (D)	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
3/28/2017								
3/30/2017	5.43	6.33						
4/3/2017			7.46	6.32				
4/7/2017					5.94			7.35 (D)
4/12/2017						7.46		
5/24/2017								
6/6/2017								
6/7/2017								
6/8/2017							7.69 (D)	
6/9/2017			7.24					
6/12/2017	5.47	6.6		6.48	5.81			
6/14/2017								7.3 (D)
6/16/2017						7.36		
7/11/2017								7.39
7/12/2017								7.39 (D)
7/17/2017							7.57 (D)	
7/19/2017								7.44
7/20/2017								7.44 (D)
7/26/2017							7.63	
7/27/2017							7.63	7.5
7/28/2017								7.5
8/8/2017							7.73	7.52
8/9/2017							7.73	7.52
8/23/2017								7.5
8/24/2017								7.5
9/22/2017								
9/25/2017								
9/26/2017								
9/29/2017							7.7 (D)	
10/2/2017		5.61	7.35	6.41	5.93			
10/3/2017								7.51 (D)
10/4/2017	5.23							
10/9/2017						7.38		
12/28/2017								7.32 (Y)
3/14/2018								
3/15/2018								
3/16/2018			7.31	5.46	5.64		7.49	
3/19/2018	5.4	6.55						
3/21/2018						7.33		7.3
9/12/2018								
9/13/2018								
9/14/2018		5.81	7.55				7.32	
9/17/2018	5.22				5.82			
9/18/2018				5.35				7.26
9/19/2018						7.31		
3/13/2019								
3/14/2019							7.46	
3/15/2019								
3/19/2019			7.2	6.01	5.93			
3/20/2019	5.22	5.71						
3/21/2019								7.28 (D)
3/23/2019						7.27		

Prediction Limit

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
4/11/2023						6.69 (R)		

FIGURE R.

Intrawell Prediction Limits - Chloride GWC-48 Resample - All/Significant Results

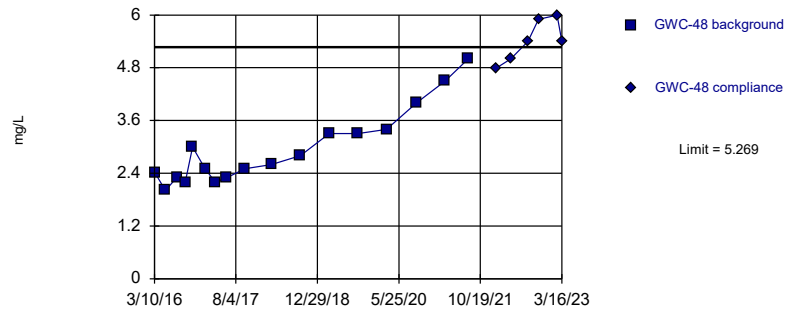
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.269	n/a	3/16/2023	5.4	Yes	17	2.961	0.86	0	None	No	0.0002894	Param Intra 1 of 2

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.961, Std. Dev.=0.86, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.871, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

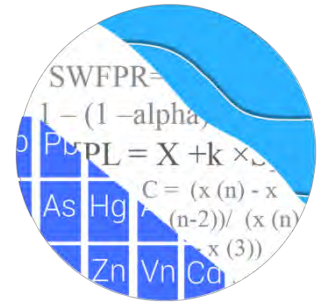
Constituent: Chloride, Total Analysis Run 4/13/2023 12:01 PM View: Appendix III Intrawell - Chloride
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/13/2023 12:02 PM View: Appendix III Intrawell - Chloride
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	2.4266	
5/17/2016	2.01	
7/27/2016	2.3	
9/20/2016	2.2	
11/4/2016	3	
1/23/2017	2.5	
3/28/2017	2.2	
6/8/2017	2.3	
9/29/2017	2.5	
3/15/2018	2.6	
9/13/2018	2.8	
3/15/2019	3.3	
9/11/2019	3.3	
3/9/2020	3.4	
9/14/2020	4	
3/11/2021	4.5	
8/4/2021	5	
1/31/2022		4.8
4/28/2022		5
8/15/2022		5.4
10/21/2022		5.9 (R)
2/14/2023		6
3/16/2023		5.4 (R)

GROUNDWATER STATS CONSULTING



August 31, 2023

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Bowen Landfill Cells 3 & 4
February 2023 Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the February 2023 sample event for Georgia Power Company's Plant Bowen Landfill Cells 3 & 4. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

The current monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient:** GWA-36A, GWA-36RA, GWA-37, GWA-38, GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56
- **Downgradient:** GWC-16R, GWC-17R, GWC-18, GWC-18R, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, and GWC-25R

Note that upgradient well GWA-36RA was installed as a replacement well for upgradient well GWA-36R and was first sampled in July 2021. As requested, all historical data from well GWA-36R were combined with data from replacement well GWA-36RA.

Prior to the February 2023 sample event, the following upgradient wells were abandoned and are no longer sampled:

- GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56

Additionally, the well casing for upgradient well GWA-36 was reportedly damaged before the August 2022 sample event and the well has since been abandoned. The historical data from these abandoned upgradient wells still provide context for the groundwater quality upgradient of the facility and are, therefore, used in constructing statistical limits. Upgradient well GWA-36A was installed as a replacement for upgradient well GWA-36 and is plotted on time series and box plots. Well GWA-36A has sufficient samples (minimum of 2), and data from this well will be used along with neighboring upgradient well data to construct interwell prediction limits for Appendix III parameters. Intrawell prediction limits will be constructed for this well for Appendix III parameters when a minimum of 8 samples is available.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Senior Statistician and Founder of Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The constituents listed below are evaluated in this report. The terms “parameters” and “constituents” are interchangeable.

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia Appendix I EPD:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix I well/constituent pairs with 100% non-detects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Due to varying detection limits in background data sets, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contains varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. A single reporting limit substitution is used across all wells in the time series plots for a given parameter since the wells are plotted as a group.

Reporting limit changes may occur depending on laboratory capabilities. In the case of beryllium, a change in laboratories resulted in a decrease in the reporting limit. The historic reporting limit of 0.003 mg/L was substituted in place of the most recent reporting limit of 0.0005 mg/L, as requested by Stantec, to be consistent with previous statistical limits.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the screening report and demonstrated that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Appendix I Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (all parameters)
- # Constituents: 16
- # Downgradient wells: 11

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (chloride, pH, sulfate, and TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, fluoride)
- # Constituents: 7
- # Downgradient wells: 11

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of statistically significant increases (SSIs) that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine “background” (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that

an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

Summary of Background Screening Georgia EPD Constituents – Conducted in August 2019

Outliers Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers for all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of Tukey's outlier test as well as a discussion of potential outliers and flagged values were included with the background screening report.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Testing

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine

whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

Several statistically significant decreasing trends were noted, but adjustments were required only for barium in well GWA-53, copper in well GWA-37, and nickel in well GWC-16R. The magnitudes of all other trends were low relative to the average concentrations at each respective well. However, the decreasing trend for zinc at GWC-16R may require adjustment in the future, if it persists, in order to obtain a more conservative prediction limit. Statistically significant increasing trends were also noted but adjustments to eliminate the trends were required only for barium and zinc in upgradient well GWA-36 because the magnitudes of trends identified for all other well/constituent pairs were low relative to the average concentrations. Truncation of earlier data is based on the assumption that the increasing trend is not the result of the facility. Further discussion of this assumption is included with the use of intrawell methods. A summary of the background date ranges used for well/constituent pairs follows this letter.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified statistically significant differences among upgradient well data for several of the constituents, suggesting intrawell methods would be the most appropriate statistical method for these constituents. For constituents where variation is not identified, interwell analyses would typically be recommended. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level concentrations, and no records required any adjustments due to statistically significant increasing trends in downgradient well data, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

Summary of Background Update Georgia EPD Appendix I Constituents – April 2022

Outlier Analysis

Prior to updating background data, all Appendix I data were evaluated for the purpose of updating background data sets. Tukey's outlier test and visual screening were used to evaluate data for all wells and constituent through January 2022. All previously flagged outliers were confirmed and, although Tukey's test noted potential outliers in the newer set of measurements, only the highest concentrations of chromium and lead were flagged in upgradient well GWA-37 as all other measurements were similar to remaining concentrations within a given well.

Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. The Appendix I outliers are included in the outlier summary following this letter (Figure C).

Mann-Whitney

For all Appendix I constituents, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through September 2018 to the new compliance samples at each well through August 2021. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data. The following statistically significant results were identified:

Increasing

- Antimony: GWC-16R
- Barium: GWA-56 (upgradient)

Decreasing:

- Antimony: GWA-37 and GWA-53R (both upgradient), and GWC-18R
- Arsenic: GWC-16R and GWC-22R
- Barium: GWA-37 and GWA-55R (both upgradient), and GWC-18
- Beryllium: GWA-53 (upgradient)
- Cobalt: GWA-38 (upgradient) and GWC-22R
- Lead: GWA-53R (upgradient)
- Nickel: GWA-38 (upgradient) and GWC-16R

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data sets are not updated to include the newer data unless it can be reasonably justified that the change

in concentrations reflects an occurring shift unrelated to practices at the site. In the case of antimony at downgradient well GWC-16R and barium in upgradient well GWA-56, while the more recent medians were slightly higher than the background medians, recent concentrations were similar to those reported historically. Additionally, well GWA-56 reflects groundwater quality upgradient of the facility.

For the cases identified by the Mann-Whitney with statistically significant lower medians in more recent data compared to the historical medians, the more recent concentrations were also similar to those reported historically or resulted from more recent trace measurements compared to historical non-detect measurements.

Therefore, all records were updated through July/August 2021. Additionally, the previously truncated records, which continue to use the more recent portion of data, were updated with newer data through July/August 2021. The Mann-Whitney test results were included with the background update. All records for Appendix I constituents will be re-evaluated during the next background update.

Summary of Background Update CCR Appendix III Constituents – Conducted in April 2022

Outlier Analysis

Background data sets were last updated in March 2020 and a summary of the findings was submitted at that time. All Appendix III data were re-evaluated during the April 2022 analysis for the purpose of updating background data sets through August 2021.

Tukey's test and visual screening was used to screen data through August 2021 at all wells for chloride, pH, sulfate and TDS which are evaluated using intrawell prediction limits, and at pooled upgradient wells through January 2022 for boron, calcium, and fluoride which are evaluated using interwell prediction limits.

All previously identified outliers were confirmed and, although Tukey's test noted several new potential outliers, only the highest measurements for sulfate in downgradient wells GWC-17R and GWC-21R were flagged to construct statistical limits that are conservative (i.e., lower) from a regulatory perspective.

All remaining values identified by Tukey's test appeared to be representative of natural variation in groundwater quality. Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the

accompanying data pages. The Appendix III outliers are included in the outlier summary following this letter (Figure C).

Mann-Whitney

For Appendix III constituents requiring intrawell prediction limits (chloride, pH, sulfate, and TDS), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through September 2019 to the new compliance samples at each well through August 2021. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data.

The results of the Mann-Whitney test showed statistically significant differences for the following well/constituent pairs:

Increasing:

- None

Decreasing:

- Chloride: GWA-51RZ, GWA-53, GWA-53R (all upgradient), and GWC-16R, GWC-17R, GWC-22R, and GWC-25R
- pH: GWC-22R
- Sulfate: GWA-53, GWA-53R, GWA-54 (all upgradient), and GWC-18R, and GWC-22R
- TDS: GWC-17R

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. The cases identified with statistically significant Mann-Whitney results, however, were updated because while the newer data had lower medians, the reported concentrations were similar to those reported historically.

Therefore, all records for chloride, pH, sulfate, and TDS were updated through July/August 2021 for construction of intrawell prediction limits. Data sets will be re-evaluated during the next background update.

Trend Tests

For boron, calcium, and fluoride, which are evaluated using interwell prediction limits, the Sen's Slope/Mann-Kendall trend test was used to evaluate data in upgradient wells to determine whether concentrations are statistically significantly increasing, decreasing or stable over time. Statistically significant trends were noted in upgradient wells for the following:

Increasing

- Calcium: GWA-51RZ and GWA-55
- Fluoride: GWA-36RA and GWA-55

Decreasing

- Calcium: GWA-37

The increasing trends for fluoride in wells GWA-36RA and GWA-55 are an artifact of laboratory censoring at a higher level than detected values early in the record. For calcium at upgradient wells GWA-51RZ and GWA-55, the reported concentrations are similar to those in background and both wells exhibit similar patterns and concentrations which represents groundwater quality upgradient of the site. Therefore, no adjustments were required for these records.

The statistically significant decreasing trend noted for calcium in well GWA-37 was of short duration and relatively low in magnitude with concentrations similar to those in neighboring upgradient wells. Therefore, no adjustment was required for this record.

All well/constituent pairs were updated using all available data from upgradient wells through January 2022. Interwell prediction limits pool upgradient well data to establish background limits for boron, calcium, and fluoride and will be used to evaluate future semi-annual compliance samples at each downgradient well.

Evaluation of Georgia EPD Appendix I Constituents – February 2023

Intrawell limits constructed from screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through July/August 2021, except for the cases mentioned above, within each well with detections (Figure D). As mentioned above, upgradient wells GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56 were abandoned and not sampled during this sample event.

As discussed earlier, the most recent reporting limit is substituted on a well-by-well basis for computing intrawell prediction limits. Therefore, individual wells can have different substitutions for a given parameter depending on what the laboratory has reported for each well. Regarding beryllium, prediction limits were set at or near the reporting limit of 0.003 mg/L. No statistical exceedances resulted as compliance data were either reported trace values (i.e., estimated measurements less than the reporting limit) or non-detects.

For some well/constituent pairs containing <15% non-detects, such as chromium at downgradient well GWC-18, copper at upgradient well GWA-37, nickel at upgradient well GWA-37 and downgradient well GWC-16R, and zinc at upgradient well GWA-36RA and downgradient well GWC-16R, parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation.

The February 2023 data from each well were compared to these intrawell background limits. No statistical analyses were included for well/constituent pairs with 100% non-detects and a list of these well/constituent pairs follows this report.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance

is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. A summary of the Georgia EPD Appendix I prediction limits follows this report. No statistical exceedances were identified.

Two-Step Analysis

When exceedances occur in downgradient wells, the two-step analysis procedure is used and interwell prediction limits are then constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedances. Since no exceedances were identified, no further action was necessary.

Trend Tests

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of variability in groundwater unrelated to practices at the site. As mentioned above, since no exceedances were noted, no trend tests were required.

Evaluation of Appendix III Parameters – February 2023

Intrawell Prediction Limits

For chloride, pH, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through July/August 2021 (Figure E). The February 2023 sample from each well was compared to its respective background limit to determine whether exceedances over background are present. Apparent intrawell prediction limit exceedances were identified for the following well/constituent pairs:

- Chloride: GWA-38 (upgradient)
- pH (lower limit): GWA-36RA (upgradient), GWC-18R, GWC-19R, and GWC-20R
- Sulfate: GWA-36RA (upgradient), GWC-21R, and GWC-25R
- TDS: GWA-36RA (upgradient), GWC-16R, GWC-18, GWC-22R, and GWC-23R

For some well/constituent pairs such as TDS at upgradient well GWA-38, parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation. Additionally, reporting limit changes from 10 mg/L to 25 mg/L for TDS at upgradient well GWA-37 and from resulted in a slight increase in the limit from 34.32 mg/L to 34.34 mg/L. No significant changes occurred.

Two-Step Analysis

Following the two-step analysis as described above, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedances among downgradient wells (Figure F). Exceedances were noted for the following well/constituent pairs:

- TDS: GWC-23R

Interwell Prediction Limits

For boron, calcium, and fluoride, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all pooled upgradient well data through February 2023 (Figure G). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. As mentioned above, abandoned wells GWA-36, GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56 were not sampled, but historic data were used to construct statistical limits.

The February 2023 sample from each downgradient well was compared to the background limits to determine whether exceedances over background are present. The following interwell prediction limits exceedances were noted:

- Calcium: GWC-16R, GWC-17R, GWC-21R, and GWC-23R

Trend Tests

Data from downgradient well/constituent pairs found to exceed their respective prediction limit for both intrawell and interwell methods were further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level along with upgradient wells for the same constituents (Figure H). Complete graphical results of the trend tests

follow this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Calcium: GWA-51RZ, GWA-55, GWA-55R (all upgradient), GWC-16R and GWC-23R
- Sulfate: GWA-51RZ (upgradient), GWC-21R, and GWC-23R
- TDS: GWA-55, GWA-55R (both upgradient), and GWC-23R

Decreasing

- Calcium: GWA-37 (upgradient)
- pH: GWA-36, GWA-36RA, GWA-37, and GWA-54 (all upgradient)
- Sulfate: GWA-36, GWA-53, GWA-53R, and GWA-54 (all upgradient)

Summary

Based on the results of the Appendix I and III constituents evaluated using intrawell prediction limits, interwell prediction limits were constructed to further evaluate apparent intrawell exceedances according to the Two-Step Approach. The following interwell prediction limit exceedances were identified for the February 2023 samples and resamples for the Appendix III constituents:

Appendix I

- None

Appendix III

- Calcium: GWC-16R, GWC-17R, GWC-21R, and GWC-23R
- TDS: GWC-23R

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill at Cells 3 & 4. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

Date Ranges

Date: 3/24/2023 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Barium (mg/L)

GWA-36 background:3/17/2015-8/6/2021

GWA-53 background:6/24/2015-7/29/2021

Copper (mg/L)

GWA-37 background:3/17/2015-7/28/2021

Nickel (mg/L)

GWC-16R background:3/3/2015-7/30/2021

Zinc (mg/L)

GWA-36 background:3/17/2015-8/6/2021

100% Non-Detects: Appendix I

Analysis Run 3/22/2023 5:15 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Antimony (mg/L)

GWA-38, GWC-19R, GWC-22R

Beryllium (mg/L)

GWC-16R, GWC-17R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Cadmium (mg/L)

GWC-16R, GWC-17R, GWC-18R, GWC-19R, GWC-20R, GWC-23R, GWC-24R

Cobalt (mg/L)

GWC-17R, GWC-19R, GWC-20R, GWC-23R, GWC-24R

Lead (mg/L)

GWC-20R

Nickel (mg/L)

GWC-17R, GWC-18R, GWC-20R

Selenium (mg/L)

GWA-36RA, GWA-37, GWA-38, GWC-16R, GWC-17R, GWC-18, GWC-18R, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-24R, GWC-25R

Silver (mg/L)

GWA-36RA, GWA-37, GWC-18, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Thallium (mg/L)

GWA-37, GWA-38, GWC-17R, GWC-18R, GWC-19R, GWC-24R, GWC-25R

Vanadium (mg/L)

GWC-25R

Appendix I Intrawell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-36RA	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.004519	n/a	2/8/2023	0.0013J	No	26	0.00223	0.0009357	34.62	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-16R	0.02603	n/a	2/10/2023	0.02	No	26	0.07942	0.03348	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-17R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-20R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.008799	n/a	2/9/2023	0.0064	No	26	0.06001	0.01382	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-23R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.003ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.003	n/a	2/9/2023	0.003ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	25	n/a	n/a	56	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.0053	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.0071	n/a	2/9/2023	0.0025J	No	25	n/a	n/a	52	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.003J	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.006	n/a	2/10/2023	0.0032J	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-36RA	0.03814	n/a	2/8/2023	0.038	No	26	0.0232	0.00611	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-37	0.01361	n/a	2/8/2023	0.0039J	No	26	0.007654	0.002436	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-38	0.0171	n/a	2/8/2023	0.013	No	25	0.1121	0.007602	0	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-16R	0.07407	n/a	2/10/2023	0.053	No	26	0.04775	0.01076	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-17R	0.02164	n/a	2/10/2023	0.018	No	25	0.01957	0.0008404	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.04773	n/a	2/9/2023	0.016	No	25	0.02719	0.008349	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18R	0.01679	n/a	2/9/2023	0.015	No	23	4.1e-8	1.5e-8	4.348	None	x^4	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-19R	0.01836	n/a	2/9/2023	0.015	No	25	0.01594	0.0009874	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-20R	0.03538	n/a	2/10/2023	0.031	No	26	0.02974	0.002305	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-21R	0.04026	n/a	2/9/2023	0.031	No	26	0.02498	0.006248	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-22R	0.06902	n/a	2/9/2023	0.04	No	26	0.03979	0.01195	3.846	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-23R	0.04074	n/a	2/10/2023	0.038	No	26	0.0263	0.005901	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-24R	0.03243	n/a	2/9/2023	0.018	No	25	0.02258	0.004006	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-25R	0.018	n/a	2/9/2023	0.016	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-36RA	0.0032	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	42.31	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-37	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-38	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18R	0.003	n/a	2/9/2023	0.00015J	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19R	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-36RA	0.0006434	n/a	2/8/2023	0.0005ND	No	26	-8.6	0.5115	30.77	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Cadmium (mg/L)	GWA-37	0.0005	n/a	2/8/2023	0.0005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-38	0.0005	n/a	2/8/2023	0.0005ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-22R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-25R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.0012J	No	26	n/a	n/a	19.23	n/a	n/a	0.002667	NP Intra (normality) 1 of 2

Appendix I Intrawell Prediction Limits - All Results (No Significant) Page 2

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.0011J	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-17R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.00595	n/a	2/9/2023	0.0015J	No	24	0.002869	0.001242	12.5	None	No	0.0002993	Param Intra 1 of 2
Chromium (mg/L)	GWC-18R	0.008	n/a	2/9/2023	0.005ND	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21R	0.005	n/a	2/9/2023	0.0017J	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-38	0.003071	n/a	2/8/2023	0.001J	No	22	0.001593	0.0005858	0	None	No	0.0002993	Param Intra 1 of 2
Cobalt (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	23.08	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.0183	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.01	n/a	2/9/2023	0.00043J	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.0231	n/a	2/8/2023	0.011	No	16	0.01075	0.004559	6.25	None	No	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.004119	n/a	2/10/2023	0.0012J	No	21	0.04187	0.008771	19.05	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWC-17R	0.0124	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.0011J	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-36RA	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.0047	n/a	2/8/2023	0.001ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.0016	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-36RA	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results (No Significant) Page 3

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-21R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-36RA	0.01	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	57.14	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.02736	n/a	2/8/2023	0.012	No	21	0.01298	0.005654	4.762	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWA-38	0.01241	n/a	2/8/2023	0.00091J	No	21	-6.322	0.7598	23.81	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-16R	0.02679	n/a	2/10/2023	0.005	No	17	0.01134	0.005781	5.882	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.0011J	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-36RA	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.001104	n/a	2/10/2023	0.001ND	No	26	0.01531	0.007327	26.92	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-20R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-21R	0.001	n/a	2/9/2023	0.00029J	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.001	n/a	2/10/2023	0.001ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWA-36RA	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-38	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.01	n/a	2/10/2023	0.003J	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-19R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-22R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-36RA	0.2229	n/a	2/8/2023	0.0086J	No	20	0.2283	0.09508	5	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-37	0.01868	n/a	2/8/2023	0.02ND	No	21	0.08422	0.02062	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-38	0.02	n/a	2/8/2023	0.02ND	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-16R	0.1436	n/a	2/10/2023	0.017J	No	21	0.2147	0.06456	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWC-17R	0.0219	n/a	2/10/2023	0.02ND	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.0225	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	42.86	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20R	0.02	n/a	2/10/2023	0.02ND	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-21R	0.045	n/a	2/9/2023	0.012J	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-22R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-23R	0.02	n/a	2/10/2023	0.02ND	No	21	n/a	n/a	47.62	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-24R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-38	3.398	n/a	2/8/2023	3.5	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	2/8/2023	6.88	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	2/9/2023	7.46	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	2/9/2023	7.38	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	2/10/2023	7.34	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36RA	11.17	n/a	2/8/2023	21.7	Yes	17	1.839	0.6284	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	12.48	n/a	2/9/2023	16.8	Yes	16	4.995	3.09	6.25	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	2/9/2023	2.3	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36RA	222.5	n/a	2/8/2023	238	Yes	17	153.6	28.78	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	363.4	n/a	2/10/2023	369	Yes	17	295.8	28.25	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	149.8	n/a	2/9/2023	175	Yes	17	94.65	23.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	195.3	n/a	2/9/2023	328	Yes	17	163.8	13.17	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	2/10/2023	533	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-36RA	3.641	n/a	2/8/2023	3.1	No	17	2.93	0.2972	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-37	1.427	n/a	2/8/2023	1.1	No	17	0.977	0.1882	5.882	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-38	3.398	n/a	2/8/2023	3.5	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-16R	2.97	n/a	2/10/2023	1.8	No	17	1.716	0.5242	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-17R	8.196	n/a	2/10/2023	4.7	No	17	5.841	0.9845	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	2.662	n/a	2/9/2023	2.5	No	17	1.472	0.06659	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18R	3.3	n/a	2/9/2023	2.6	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-19R	2.953	n/a	2/9/2023	2.7	No	17	2.441	0.214	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-20R	2.542	n/a	2/10/2023	2	No	17	1.768	0.3233	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-21R	5.542	n/a	2/9/2023	4.5	No	17	4.188	0.5658	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-22R	3.295	n/a	2/9/2023	2.7	No	17	2.728	0.2371	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-23R	2.864	n/a	2/10/2023	2	No	17	1.939	0.3865	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-24R	3.25	n/a	2/9/2023	2.5	No	17	5.819	1.983	5.882	None	x^2	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-25R	3.132	n/a	2/9/2023	2.6	No	17	2.594	0.225	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	2/8/2023	6.88	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-37	6.271	4.879	2/8/2023	5.3	No	17	5.575	0.291	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-38	6.077	4.803	2/8/2023	5.13	No	17	5.44	0.2662	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-16R	7.503	6.84	2/10/2023	7.02	No	17	7.172	0.1385	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-17R	7.329	7.078	2/10/2023	7.12	No	17	7.204	0.05255	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18	7.389	5.993	2/9/2023	6.68	No	17	2135	353.4	0	None	x^4	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	2/9/2023	7.46	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	2/9/2023	7.38	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	2/10/2023	7.34	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-21R	7.289	6.809	2/9/2023	7.13	No	17	7.049	0.1002	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-22R	8.049	6.933	2/9/2023	7.05	No	18	7.491	0.2361	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-23R	7.755	6.954	2/10/2023	7.01	No	18	7.354	0.1695	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-24R	7.983	6.832	2/9/2023	7.44	No	17	7.408	0.2406	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-25R	7.983	7.191	2/9/2023	7.51	No	17	7.587	0.1654	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36RA	11.17	n/a	2/8/2023	21.7	Yes	17	1.839	0.6284	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-37	1.121	n/a	2/8/2023	0.75J	No	17	0.6744	0.1865	29.41	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-38	2.638	n/a	2/8/2023	0.9J	No	17	1.136	0.6276	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-16R	14.24	n/a	2/10/2023	12.1	No	17	7.264	2.917	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-17R	8.894	n/a	2/10/2023	7.6	No	16	6.593	0.9504	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	2.57	n/a	2/9/2023	2.3	No	17	1.96	0.2549	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18R	2.835	n/a	2/9/2023	2.4	No	16	2.259	0.2378	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19R	4.3	n/a	2/9/2023	4	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-20R	1.892	n/a	2/10/2023	1.8	No	17	1.893	0.7053	0	None	x^2	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	12.48	n/a	2/9/2023	16.8	Yes	16	4.995	3.09	6.25	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22R	2.913	n/a	2/9/2023	2	No	16	1.998	0.3782	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23R	124	n/a	2/10/2023	86.7	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-24R	11.3	n/a	2/9/2023	2.9	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	2/9/2023	2.3	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36RA	222.5	n/a	2/8/2023	238	Yes	17	153.6	28.78	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-37	34.34	n/a	2/8/2023	25ND	No	15	17.84	6.664	33.33	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-38	107.8	n/a	2/8/2023	31	No	17	5.762	1.933	29.41	Kaplan-Meier	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	363.4	n/a	2/10/2023	369	Yes	17	295.8	28.25	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-17R	390.6	n/a	2/10/2023	302	No	17	318.3	30.22	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	149.8	n/a	2/9/2023	175	Yes	17	94.65	23.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18R	183.1	n/a	2/9/2023	171	No	17	140.2	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-19R	216.8	n/a	2/9/2023	171	No	17	166.3	21.11	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-20R	234.5	n/a	2/10/2023	226J	No	17	191.6	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-21R	383.4	n/a	2/9/2023	317	No	17	85308	25795	0	None	x^2	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	195.3	n/a	2/9/2023	328	Yes	17	163.8	13.17	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	2/10/2023	533	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-24R	209	n/a	2/9/2023	147	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-25R	196.3	n/a	2/9/2023	169	No	17	24995	5655	0	None	x^2	0.0006839	Param Intra 1 of 2

Appendix III Interwell Prediction Limits - Two-Step - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:11 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	2/10/2023	533	Yes	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Two-Step - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:11 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH units)	GWC-18R	8.34	4.69	2/9/2023	7.46	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-19R	8.34	4.69	2/9/2023	7.38	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-20R	8.34	4.69	2/10/2023	7.34	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-21R	132.5	n/a	2/9/2023	16.8	No	231	n/a	n/a	3.896	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	132.5	n/a	2/9/2023	2.3	No	231	n/a	n/a	3.896	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	410	n/a	2/10/2023	369	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	410	n/a	2/9/2023	175	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	410	n/a	2/9/2023	328	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	2/10/2023	533	Yes	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-16R	54.8	n/a	2/10/2023	84.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	2/10/2023	69.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	2/9/2023	68.2	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	2/10/2023	68.7	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-16R	0.04	n/a	2/10/2023	0.02J	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.04	n/a	2/9/2023	0.012J	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-16R	54.8	n/a	2/10/2023	84.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	2/10/2023	69.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	54.8	n/a	2/9/2023	26.2	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18R	54.8	n/a	2/9/2023	31.2	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19R	54.8	n/a	2/9/2023	33.7	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20R	54.8	n/a	2/10/2023	38.4	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	2/9/2023	68.2	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22R	54.8	n/a	2/9/2023	37	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	2/10/2023	68.7	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-24R	54.8	n/a	2/9/2023	32.8	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-25R	54.8	n/a	2/9/2023	35.6	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.4	n/a	2/10/2023	0.22	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-17R	0.4	n/a	2/10/2023	0.057J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.4	n/a	2/9/2023	0.072J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20R	0.4	n/a	2/10/2023	0.054J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21R	0.4	n/a	2/9/2023	0.064J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-22R	0.4	n/a	2/9/2023	0.052J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23R	0.4	n/a	2/10/2023	0.078J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-24R	0.4	n/a	2/9/2023	0.053J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-25R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/24/2023, 1:56 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-37 (bg)	-0.0347	-156	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	3.247	122	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.692	96	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.0552	-93	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1087	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.831	127	74	Yes	19	5.263	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	11.56	108	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	26.61	139	92	Yes	22	0	n/a	n/a	0.01	NP

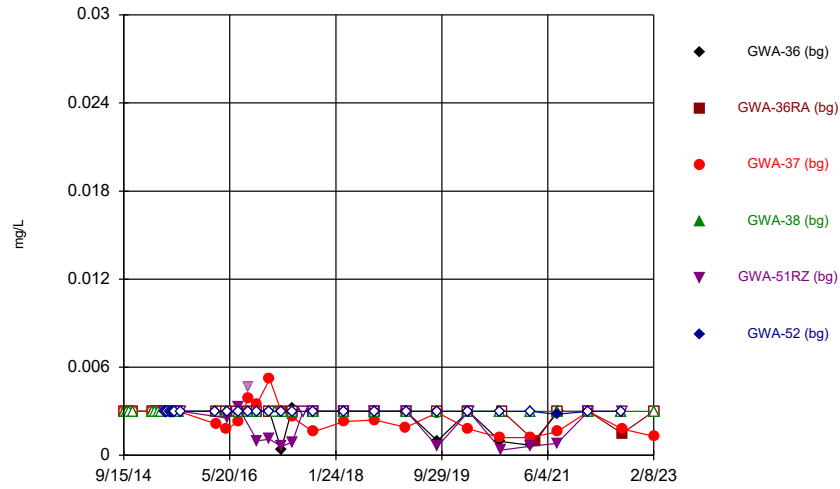
Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/24/2023, 1:56 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-36 (bg)	-1.299	-55	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-36RA (bg)	1.227	57	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-37 (bg)	-0.0347	-156	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-38 (bg)	-0.05892	-24	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-52 (bg)	0.3552	48	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53 (bg)	0.2237	38	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53R (bg)	0.4349	61	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-54 (bg)	-0.2535	-50	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-56 (bg)	0.6697	25	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	3.247	122	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-17R	0.6242	49	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-21R	1.452	81	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.692	96	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.0552	-93	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1087	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-38 (bg)	-0.07368	-66	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-51RZ (bg)	-0.01096	-9	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-52 (bg)	-0.02658	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53 (bg)	-0.02035	-69	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53R (bg)	-0.02694	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55 (bg)	-0.05556	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55R (bg)	-0.07241	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-56 (bg)	-0.03349	-38	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-18R	-0.01884	-58	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-19R	-0.002892	-18	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-20R	0.01457	25	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36RA (bg)	1.049	78	81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	0.01014	27	81	No	20	35	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.1645	-74	-81	No	20	5	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-52 (bg)	0.4686	24	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55 (bg)	2.654	49	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55R (bg)	0.646	62	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-56 (bg)	-5.801	-45	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.831	127	74	Yes	19	5.263	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	11.56	108	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36 (bg)	-5.809	-41	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36RA (bg)	7.978	57	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-37 (bg)	0	-4	-68	No	18	33.33	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-38 (bg)	-1.591	-64	-81	No	20	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-51RZ (bg)	0.9489	9	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-52 (bg)	1.996	24	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53 (bg)	3.456	36	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53R (bg)	0.8352	15	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-54 (bg)	-1.665	-24	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-56 (bg)	-2.005	-7	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-16R	7.776	75	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-18	4.699	39	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-22R	2.066	40	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	26.61	139	92	Yes	22	0	n/a	n/a	0.01	NP

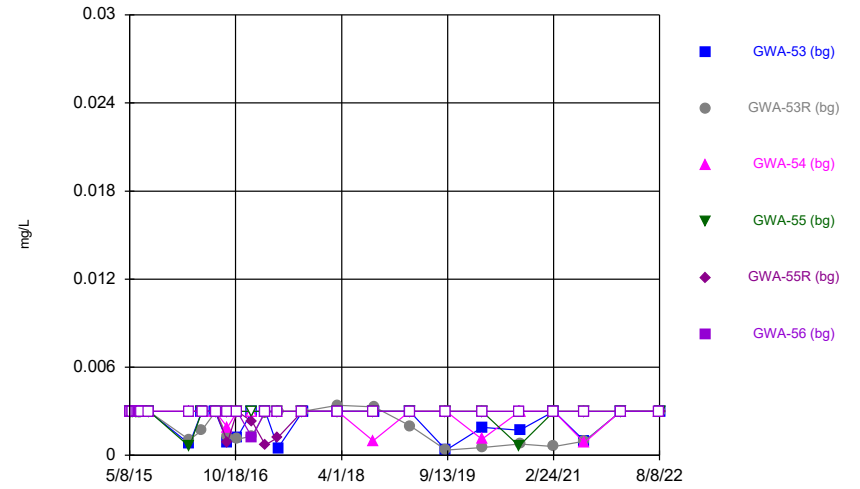
FIGURE A.

Time Series



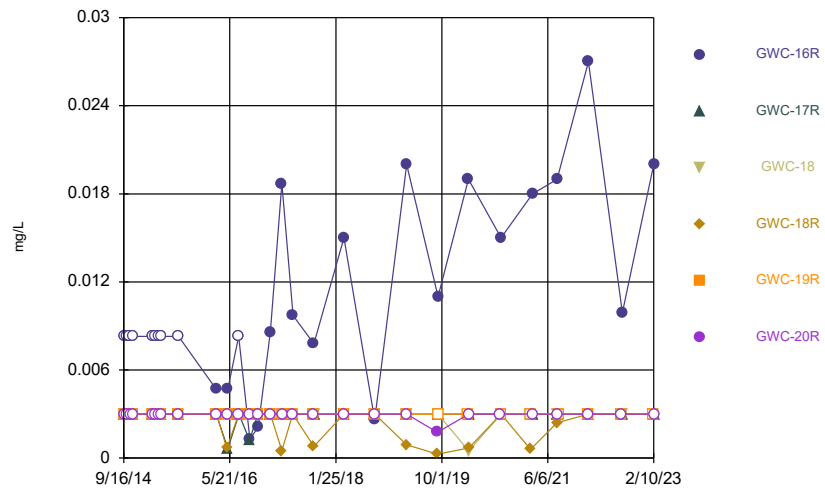
Constituent: Antimony Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



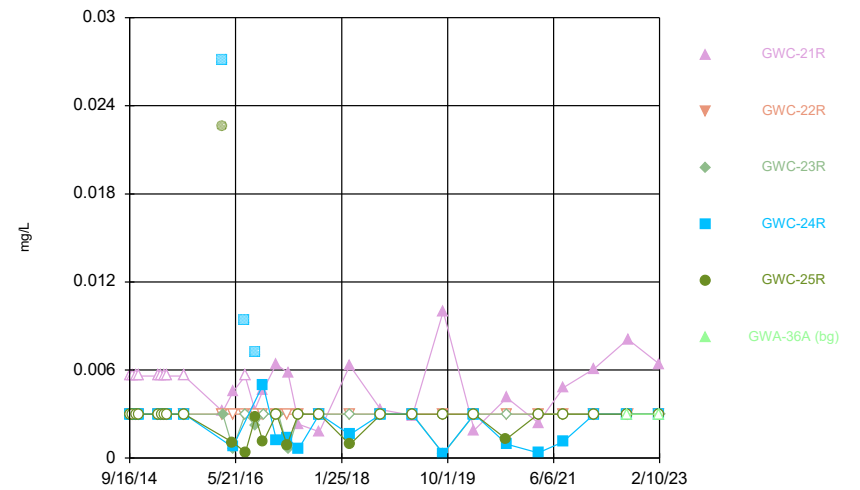
Constituent: Antimony Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



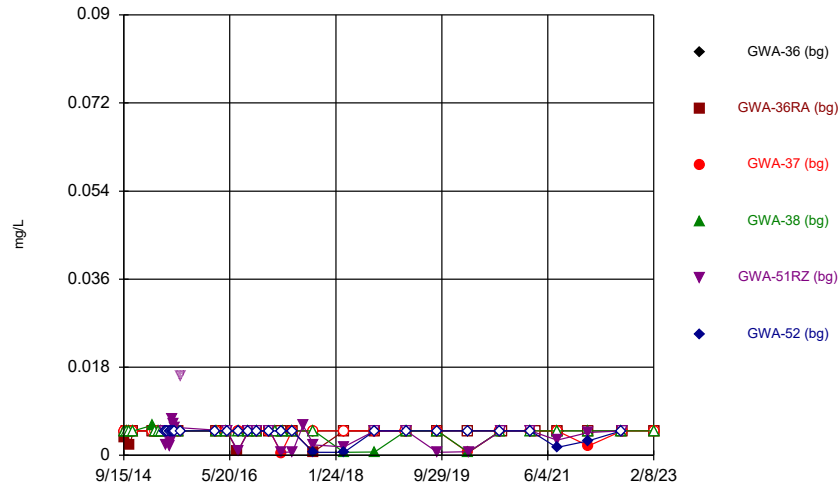
Constituent: Antimony Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



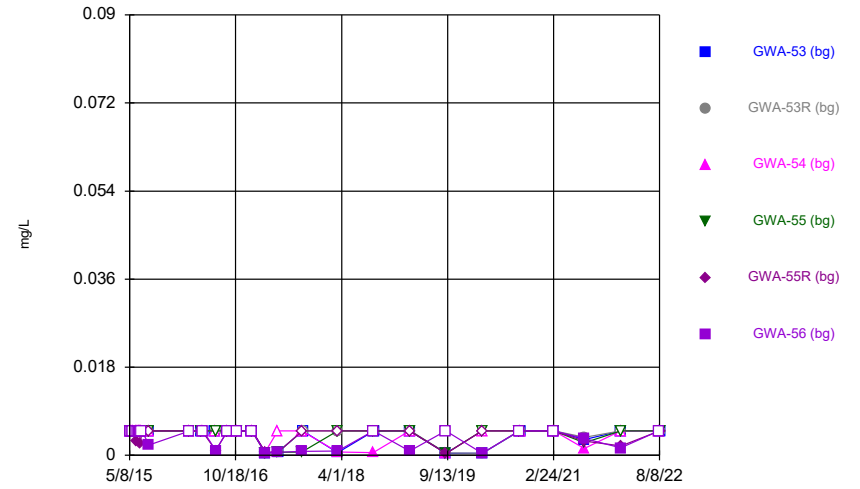
Constituent: Antimony Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



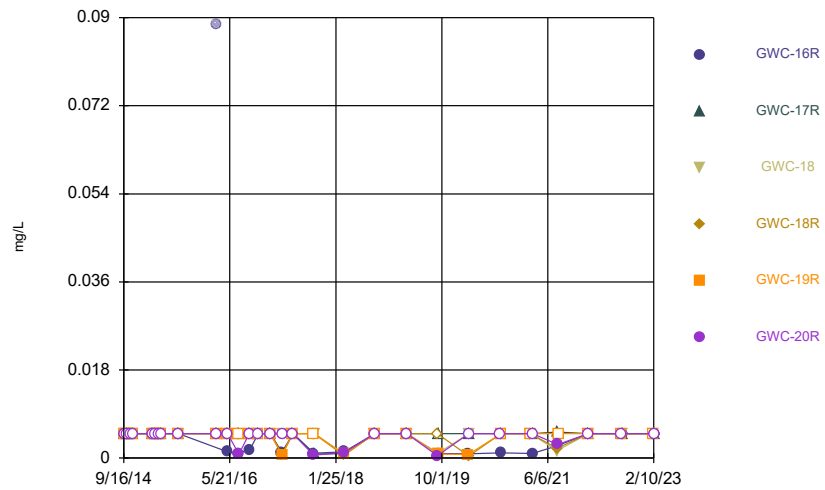
Constituent: Arsenic Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



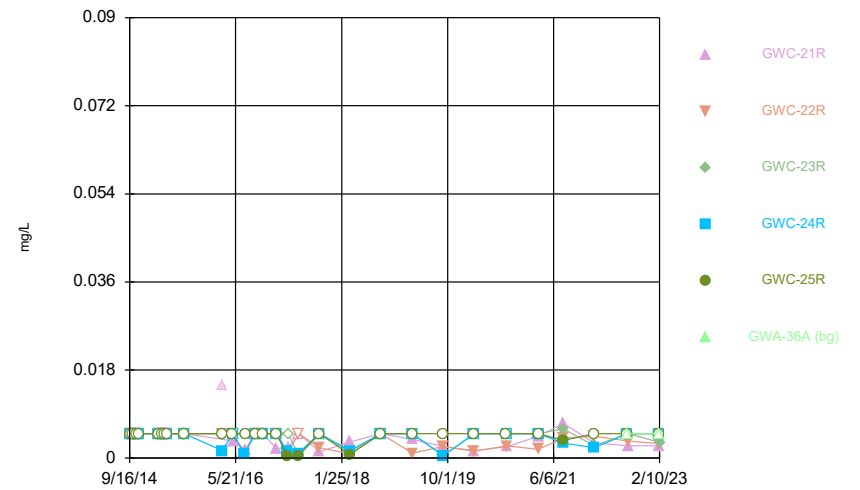
Constituent: Arsenic Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



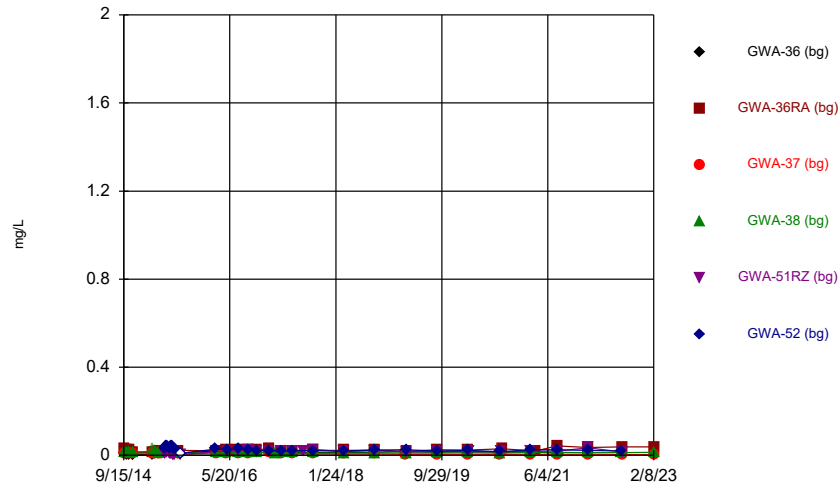
Constituent: Arsenic Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



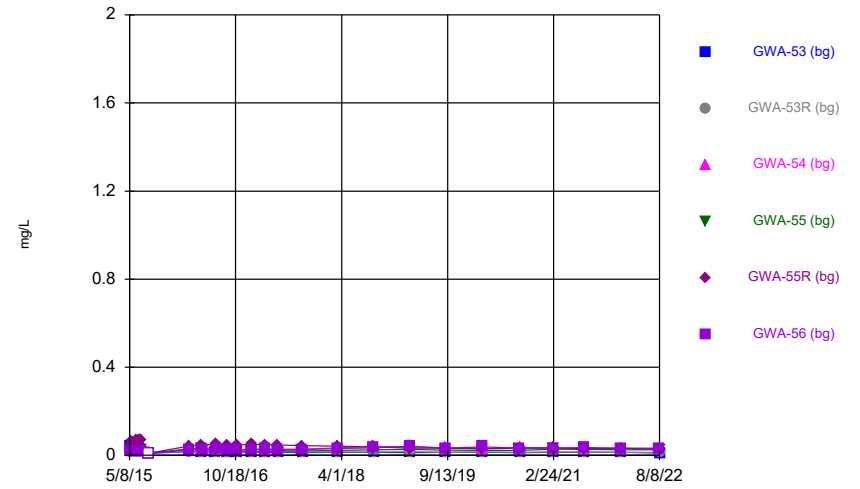
Constituent: Arsenic Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



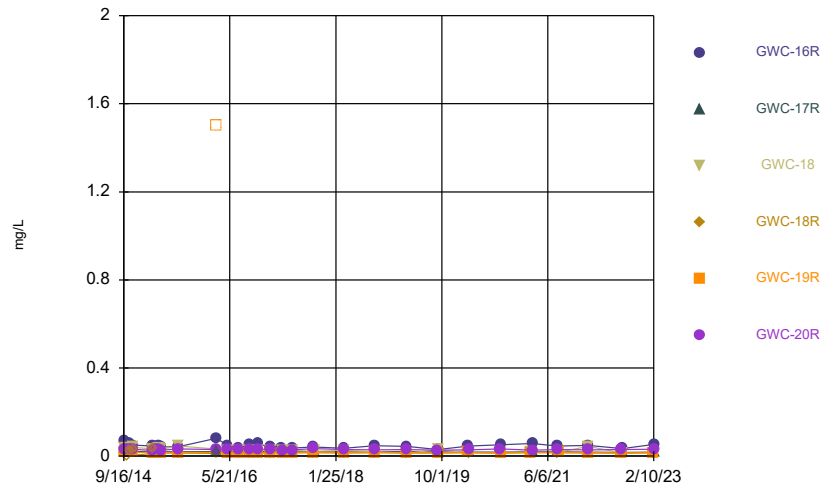
Constituent: Barium Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



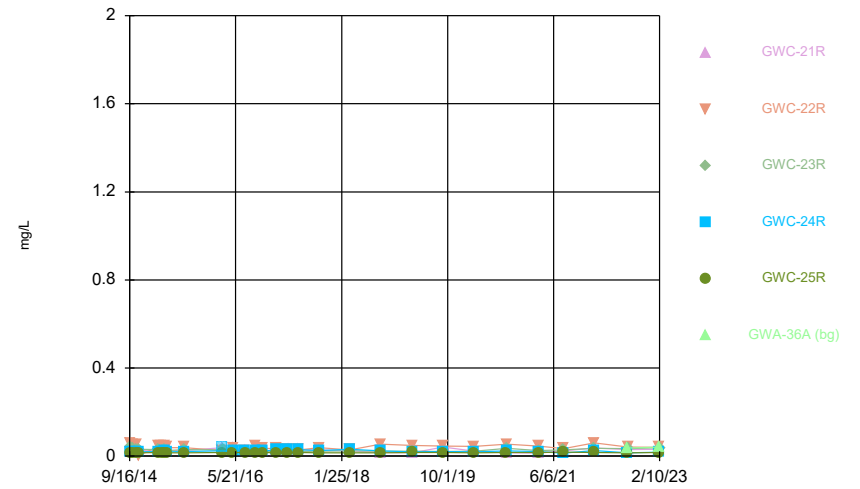
Constituent: Barium Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



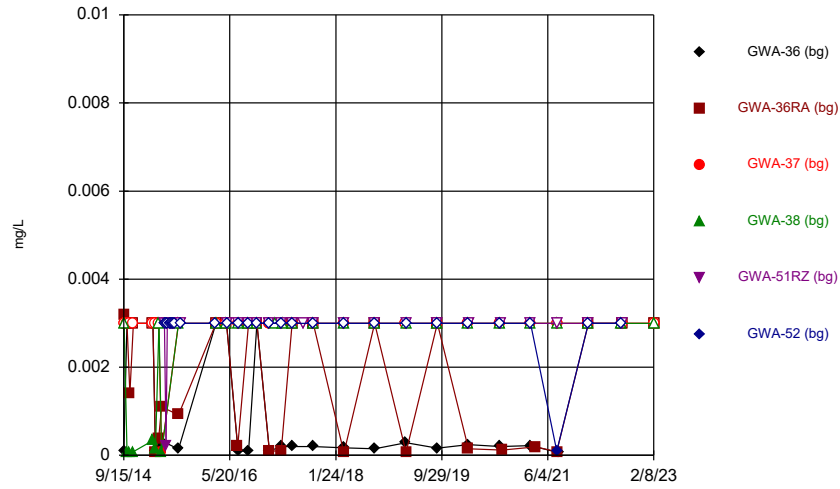
Constituent: Barium Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



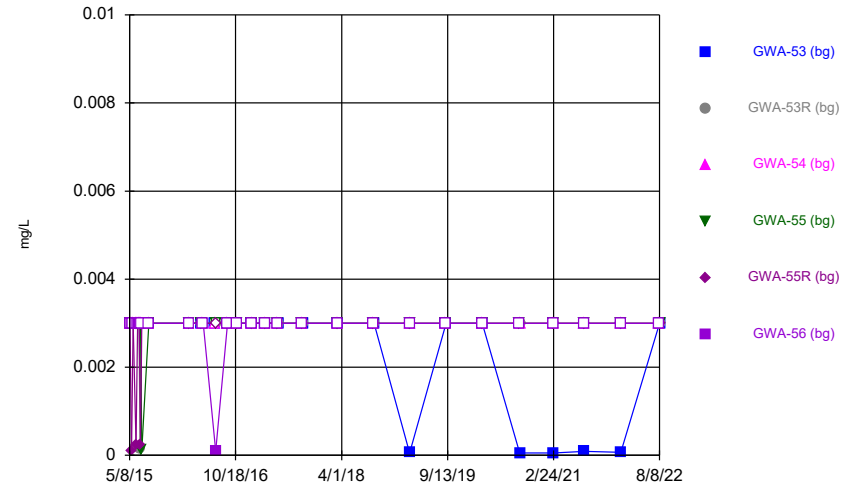
Constituent: Barium Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



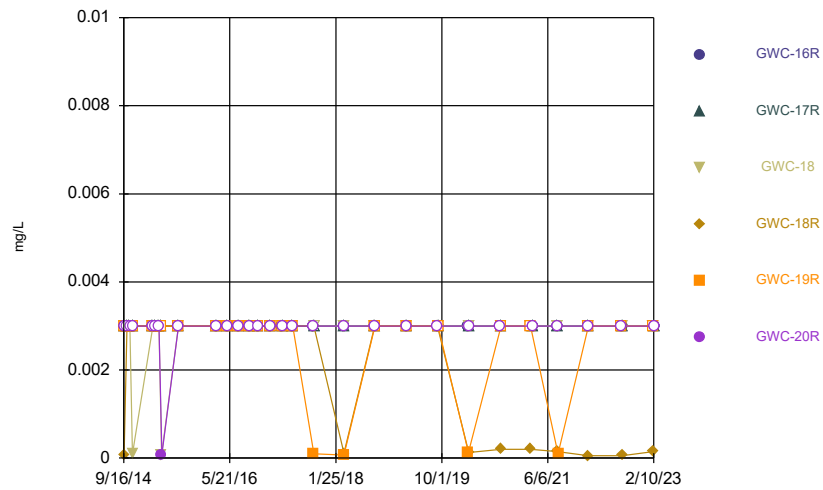
Constituent: Beryllium Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



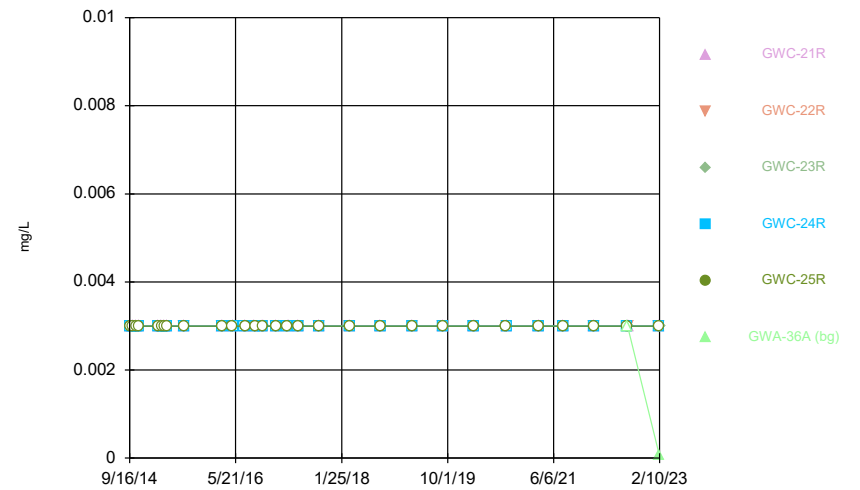
Constituent: Beryllium Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



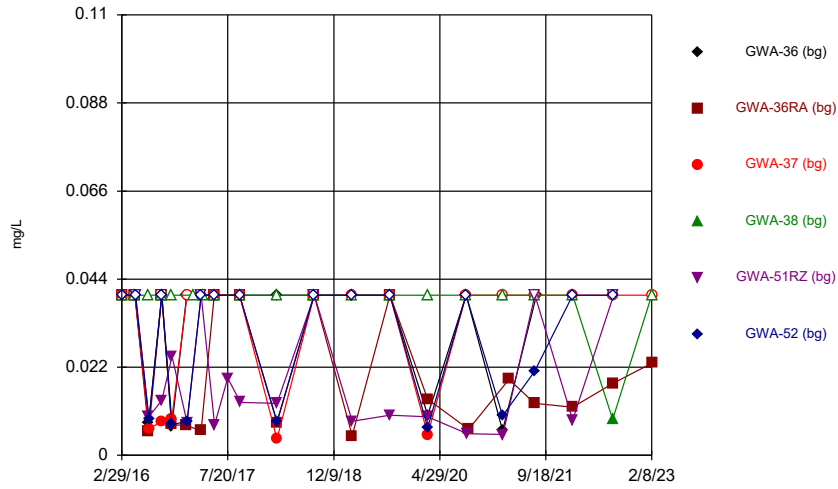
Constituent: Beryllium Analysis Run 3/22/2023 3:01 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



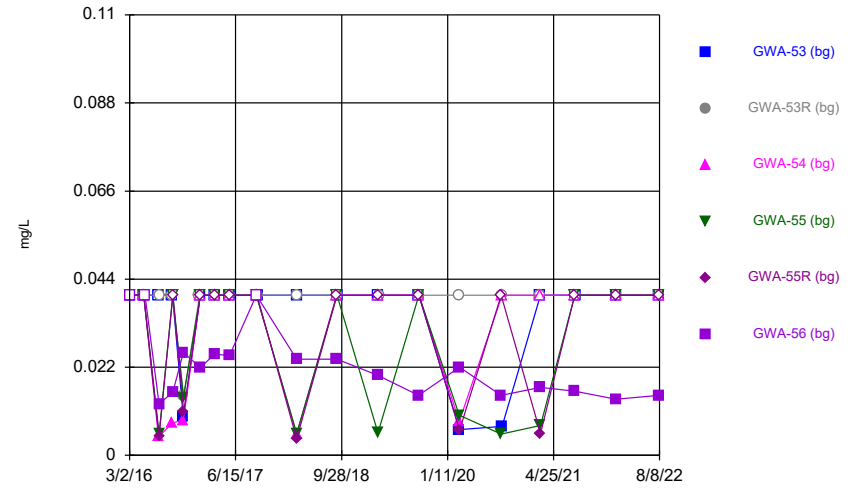
Constituent: Beryllium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



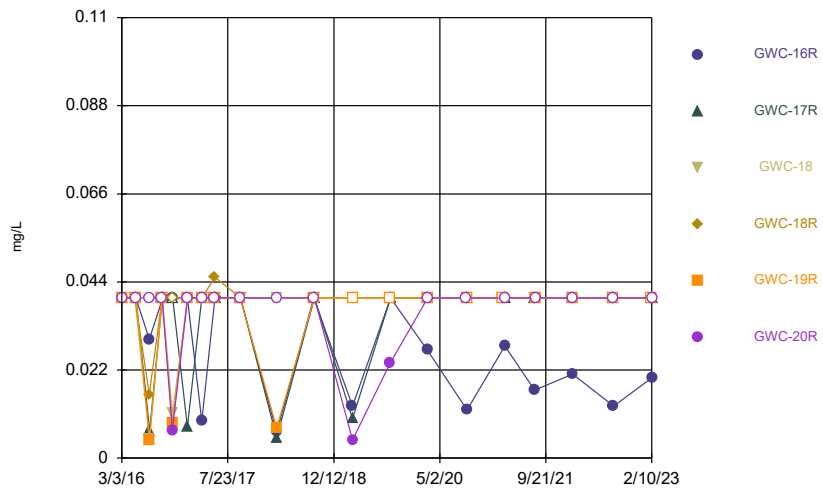
Constituent: Boron Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



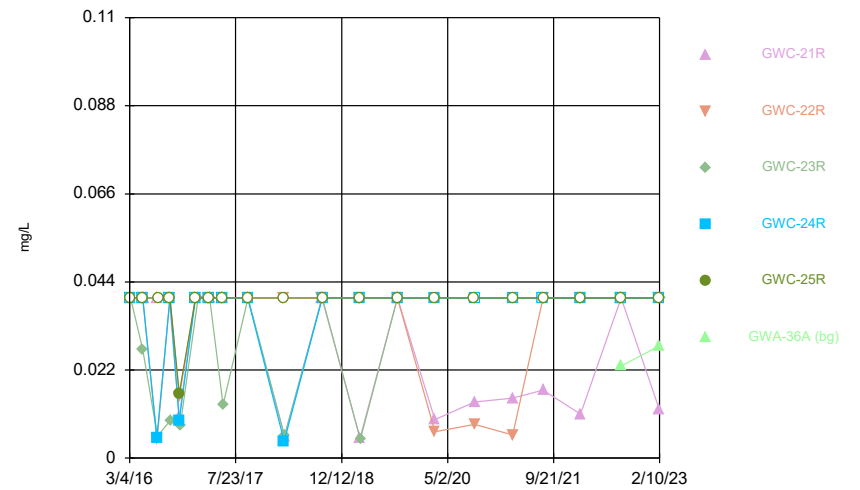
Constituent: Boron Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



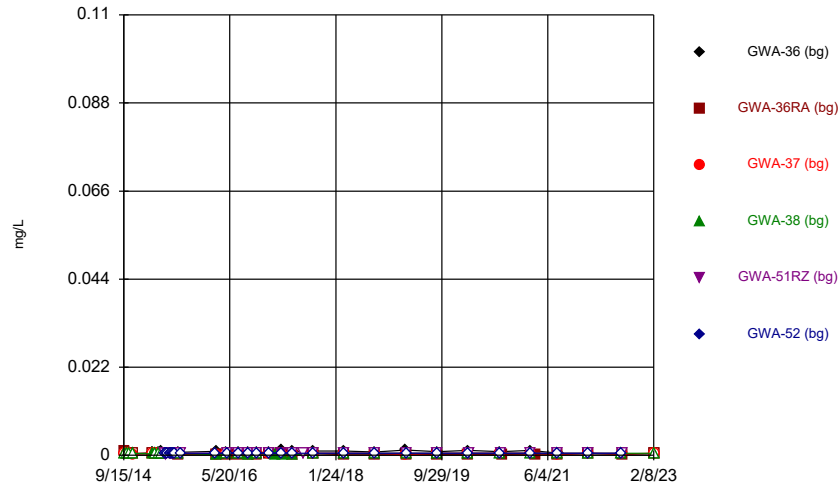
Constituent: Boron Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



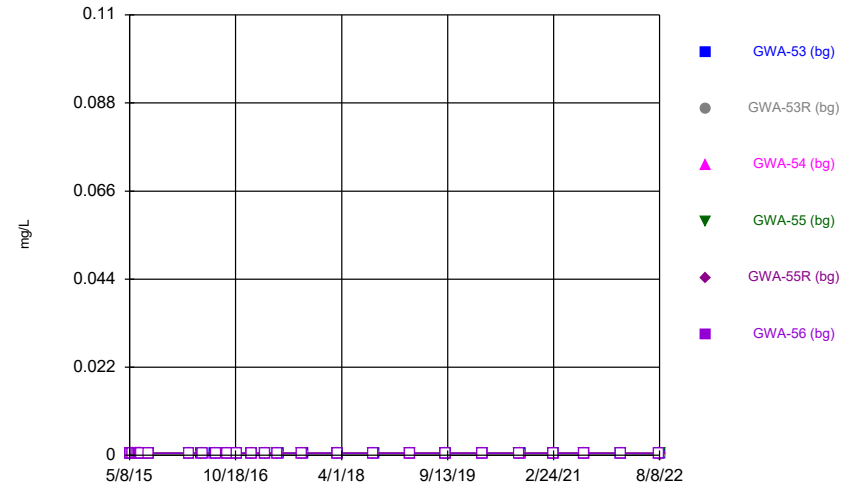
Constituent: Boron Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



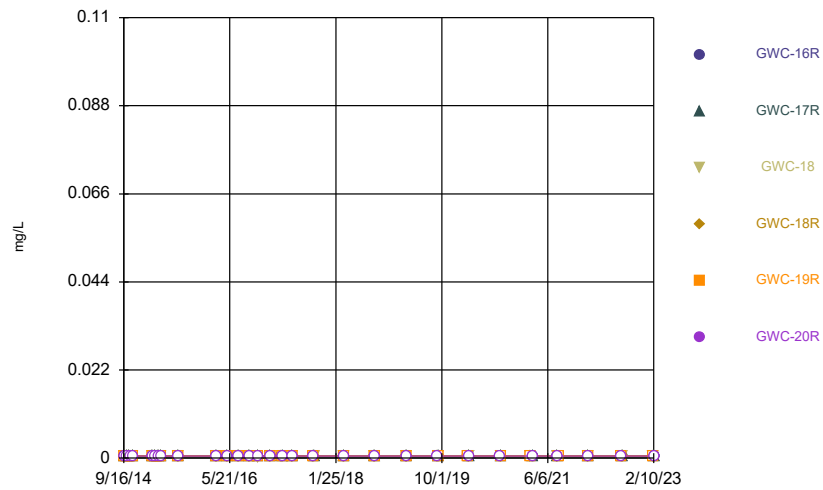
Constituent: Cadmium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



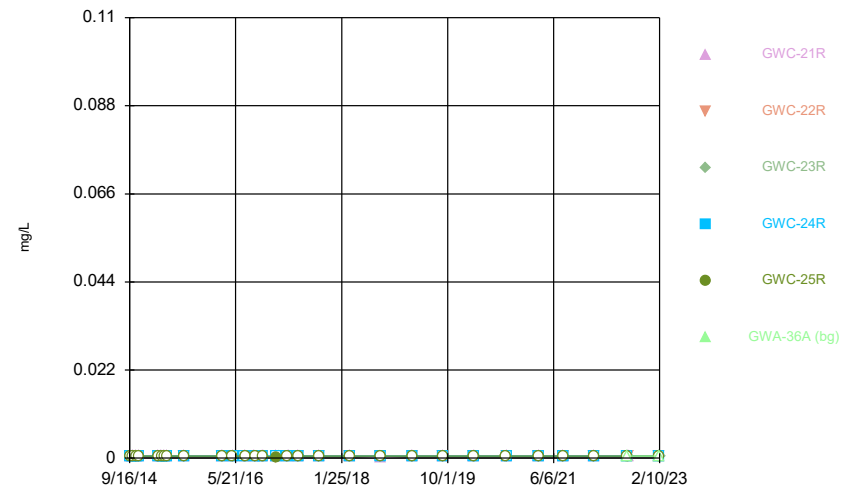
Constituent: Cadmium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



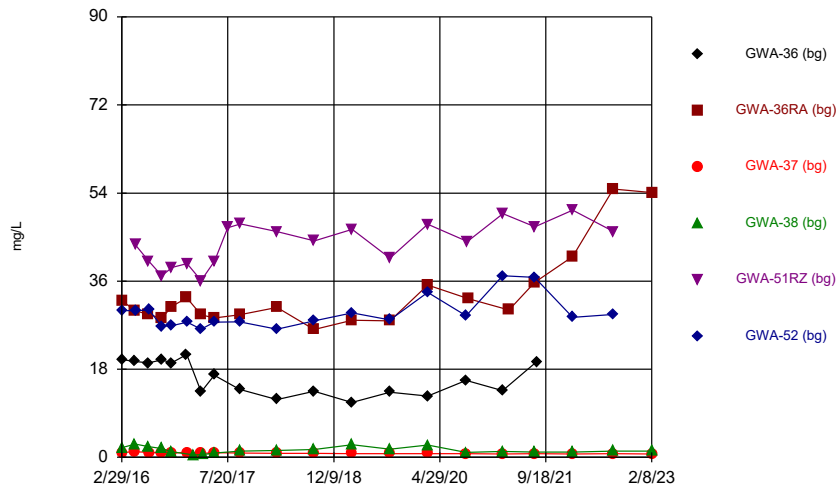
Constituent: Cadmium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



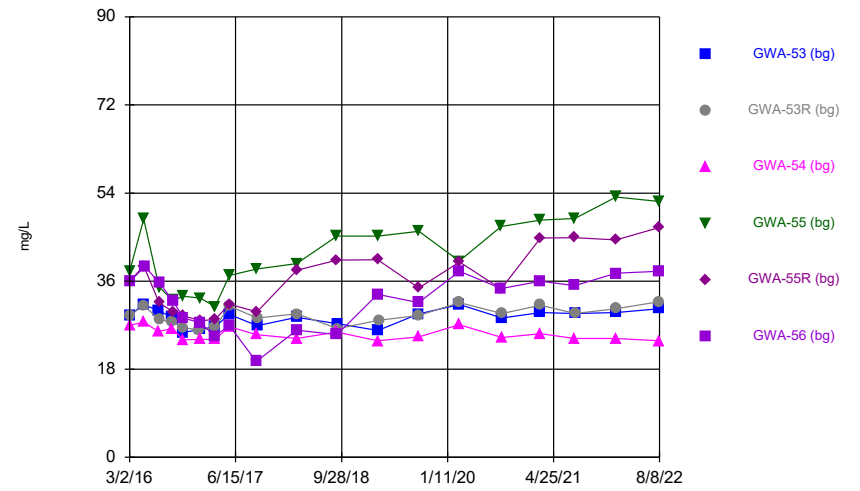
Constituent: Cadmium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



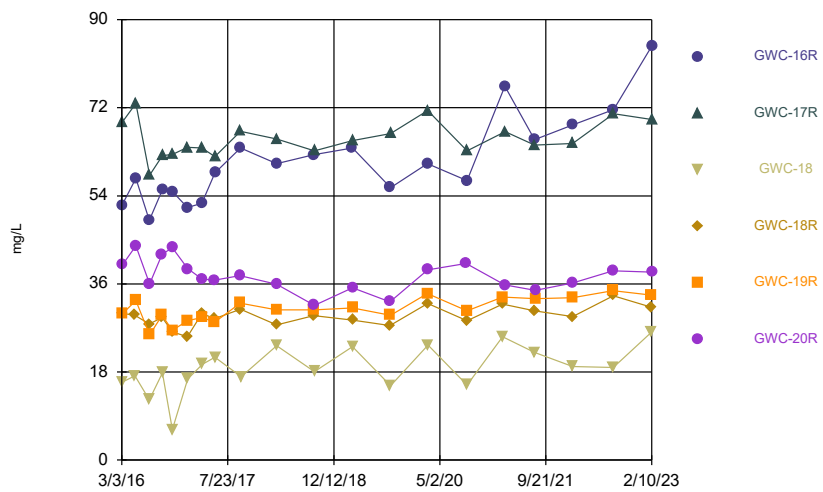
Constituent: Calcium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



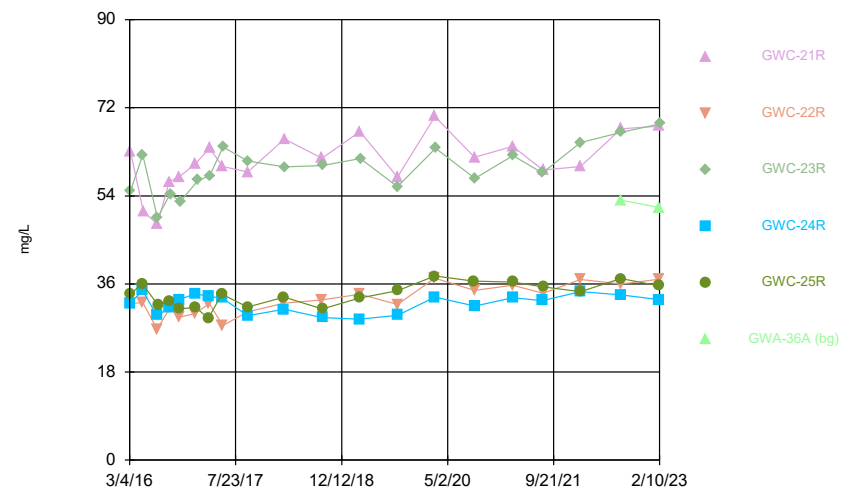
Constituent: Calcium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



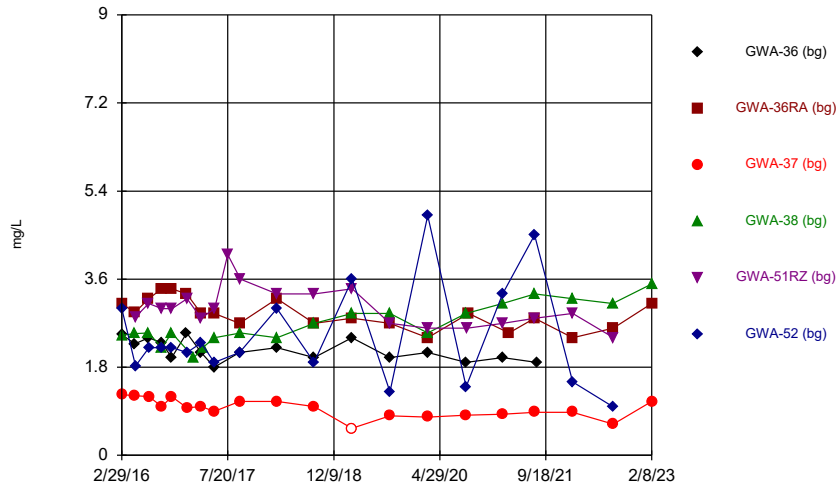
Constituent: Calcium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



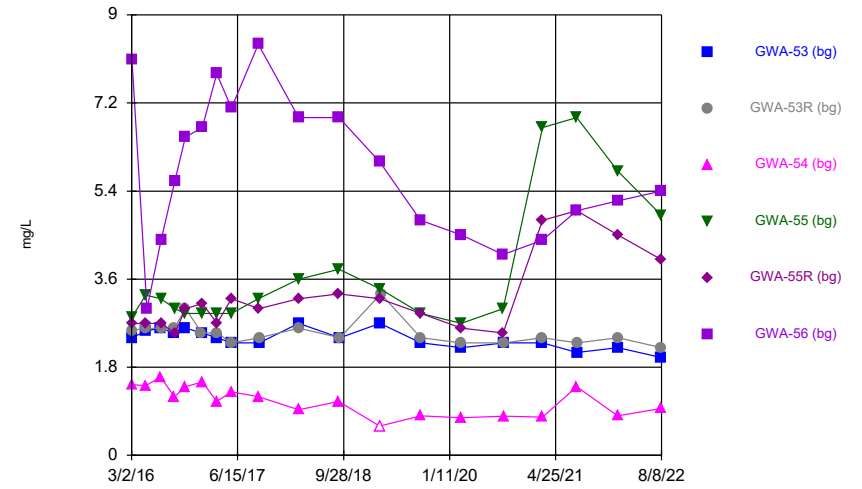
Constituent: Calcium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



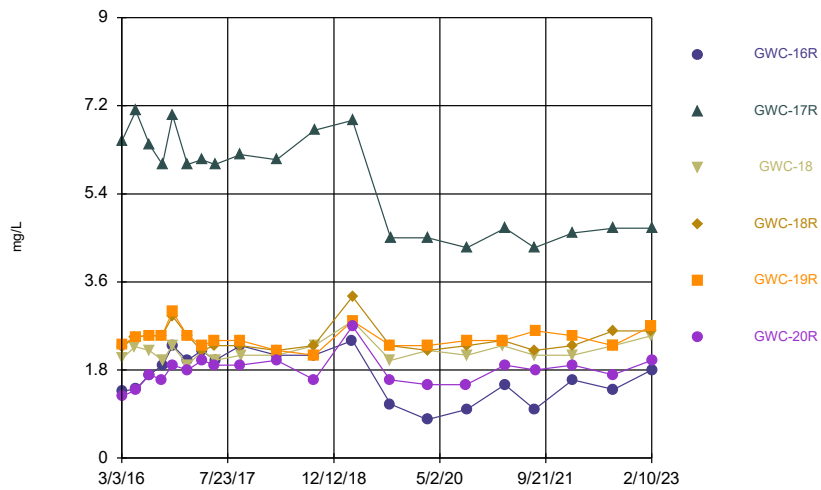
Constituent: Chloride Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



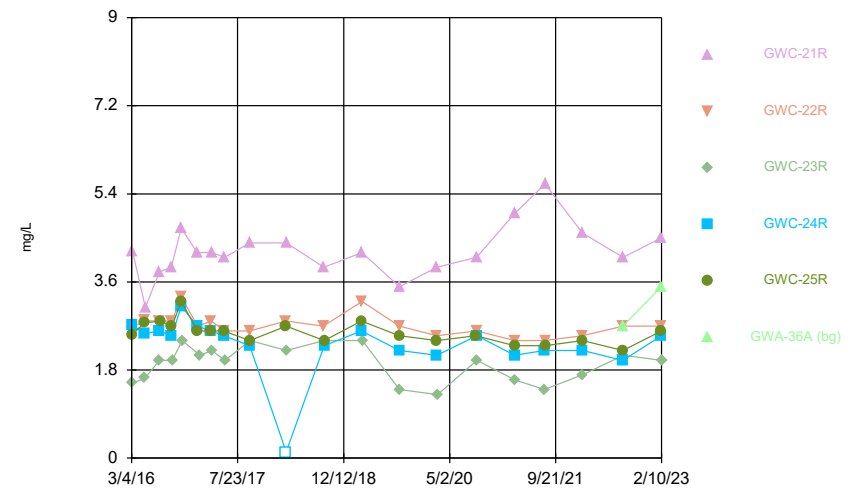
Constituent: Chloride Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



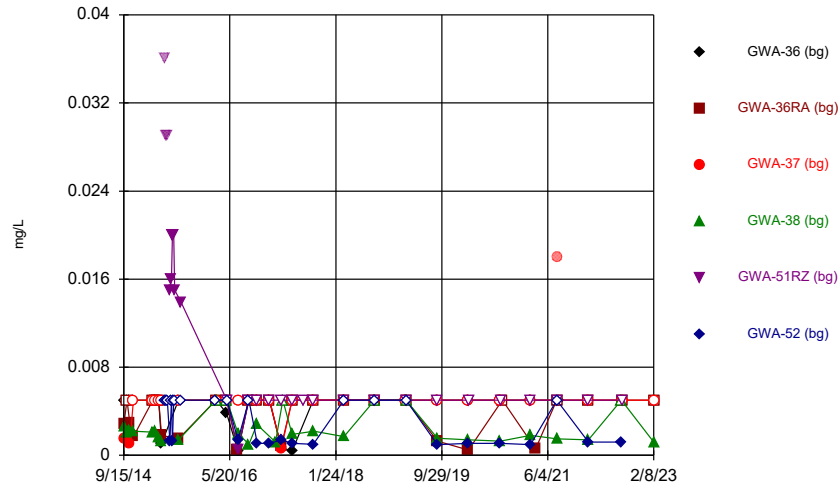
Constituent: Chloride Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



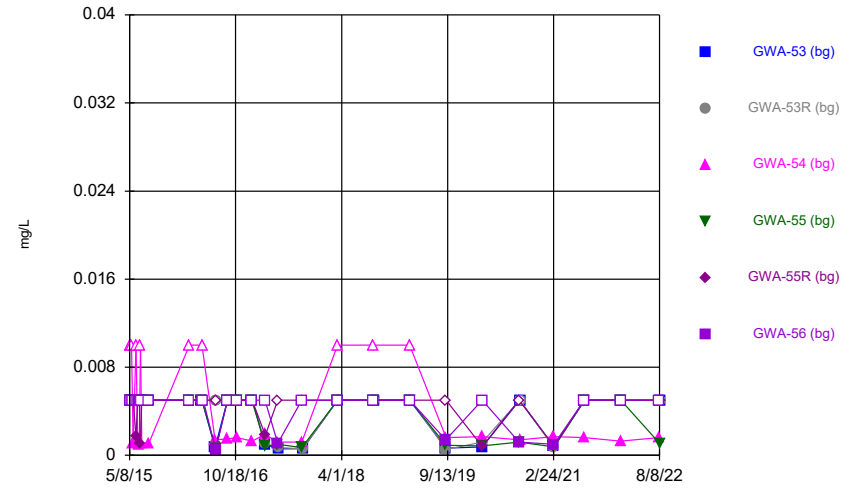
Constituent: Chloride Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



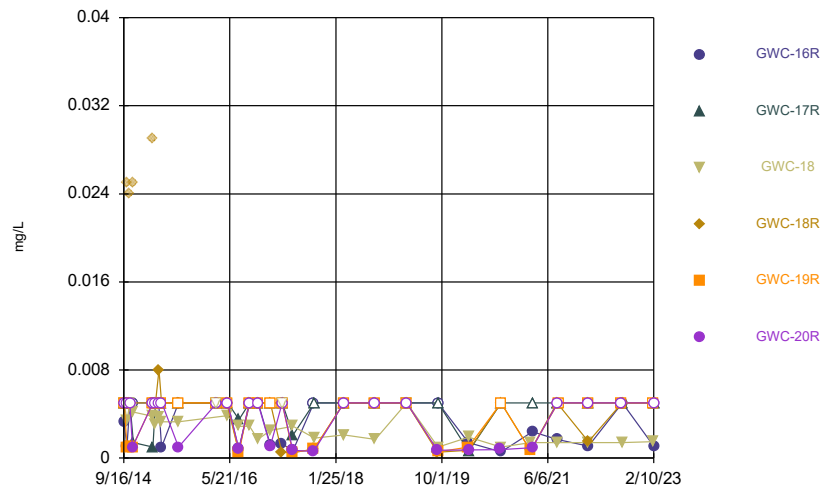
Constituent: Chromium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



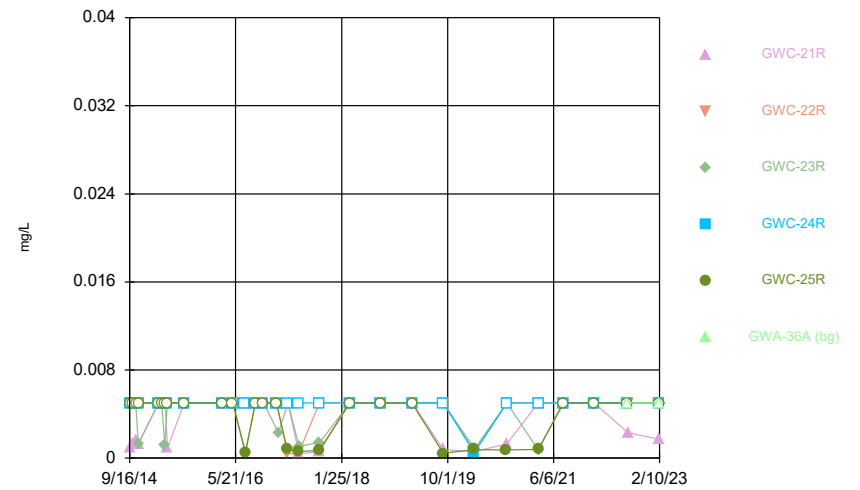
Constituent: Chromium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



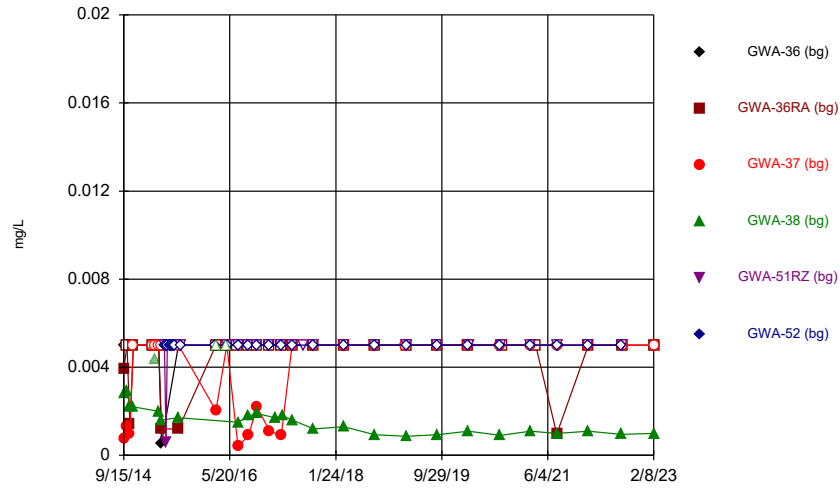
Constituent: Chromium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



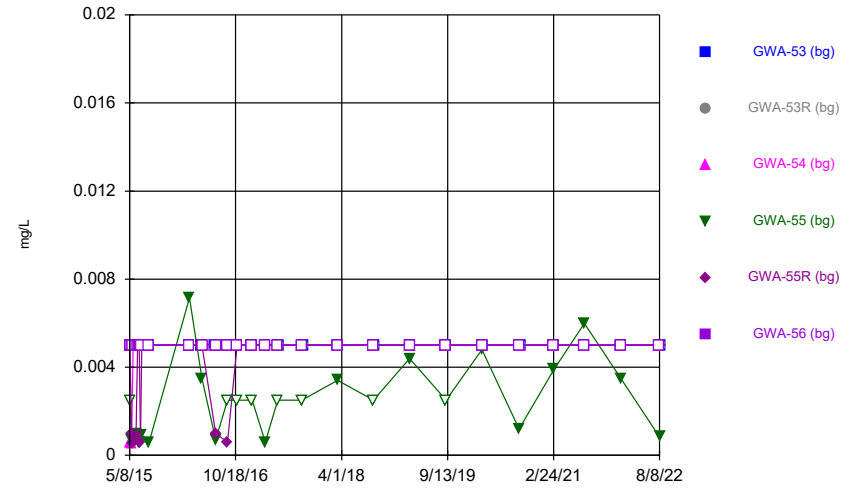
Constituent: Chromium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



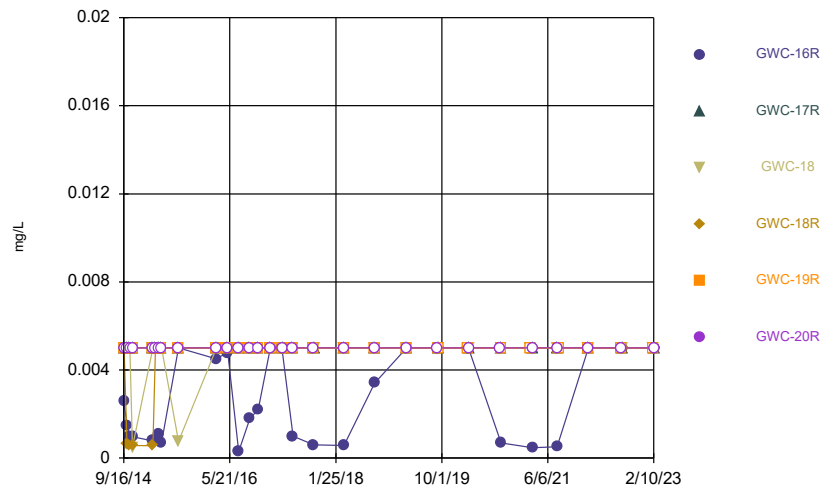
Constituent: Cobalt Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



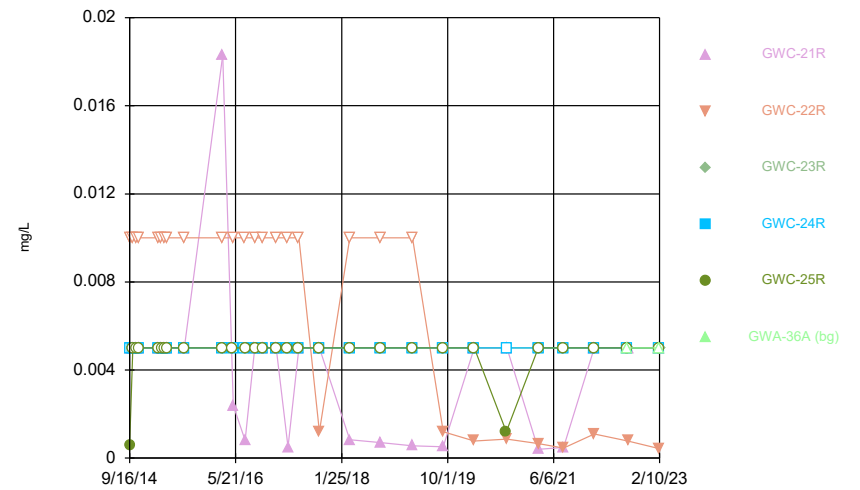
Constituent: Cobalt Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



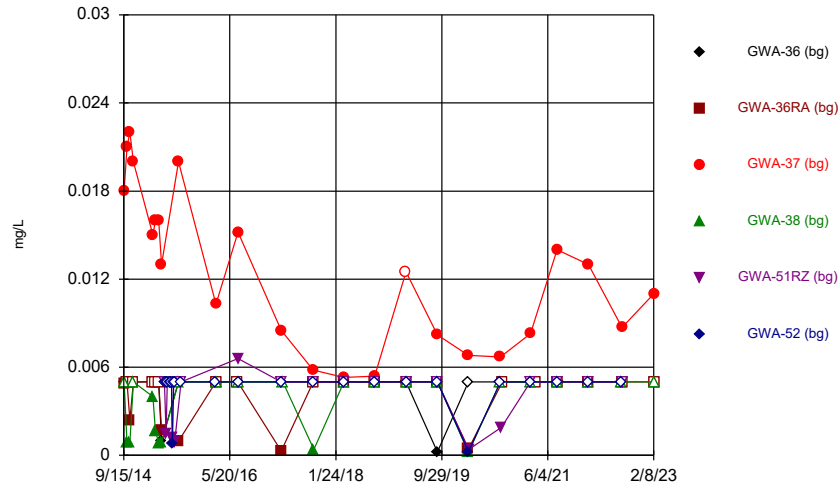
Constituent: Cobalt Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



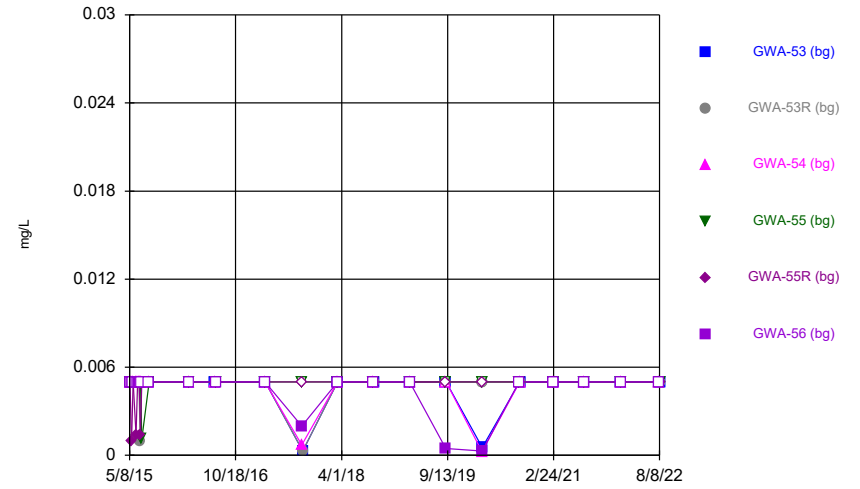
Constituent: Cobalt Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



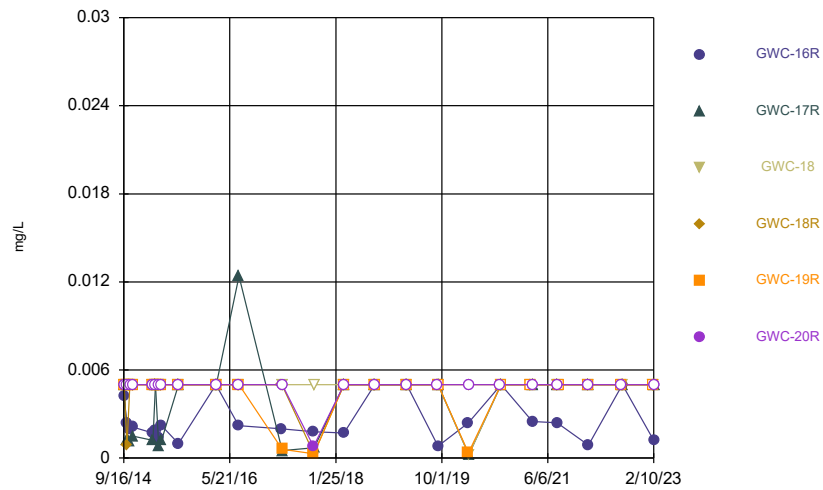
Constituent: Copper Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



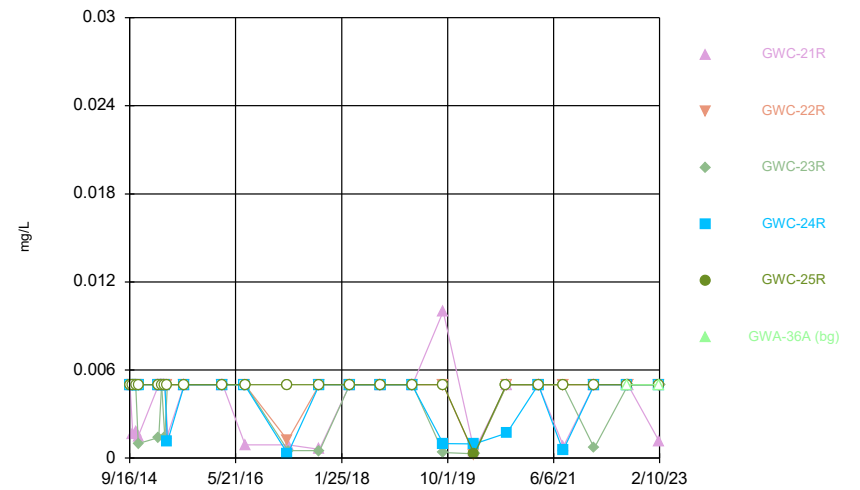
Constituent: Copper Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



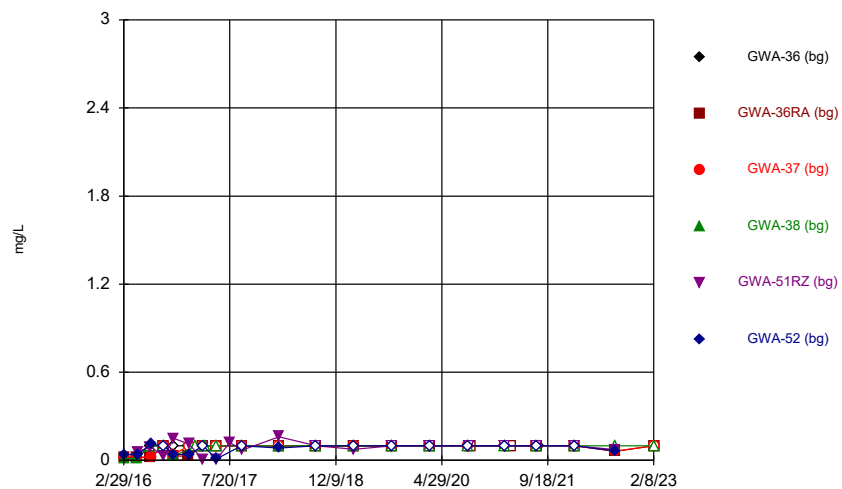
Constituent: Copper Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



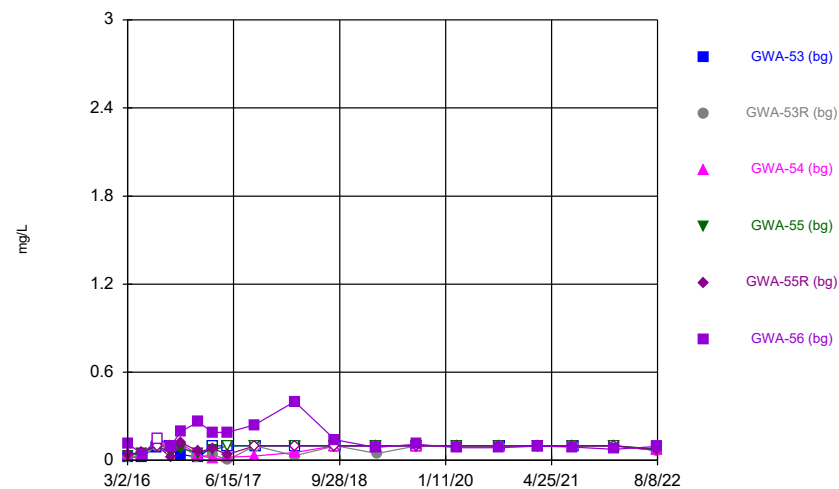
Constituent: Copper Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



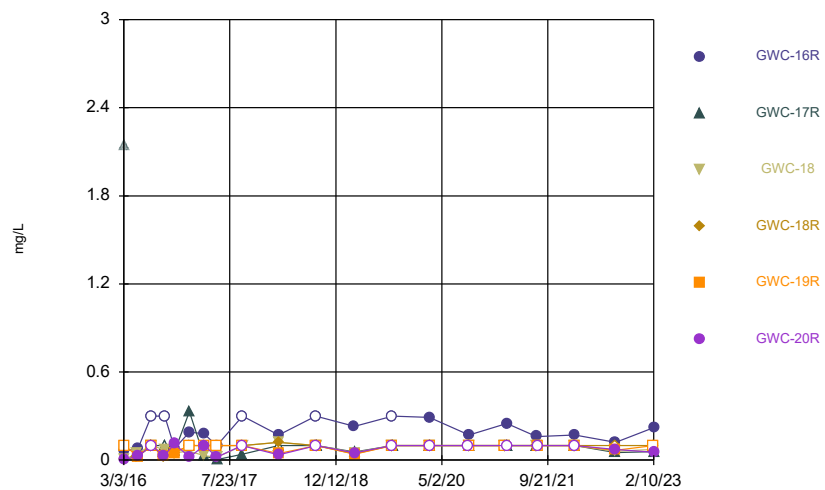
Constituent: Fluoride Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



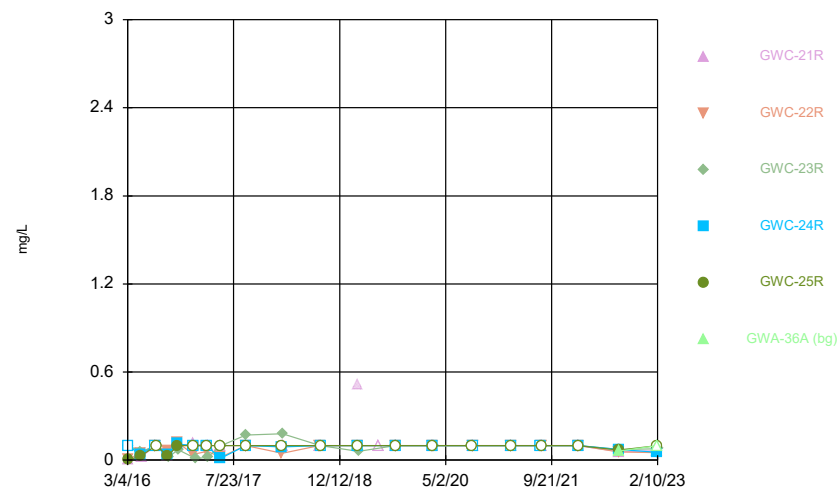
Constituent: Fluoride Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



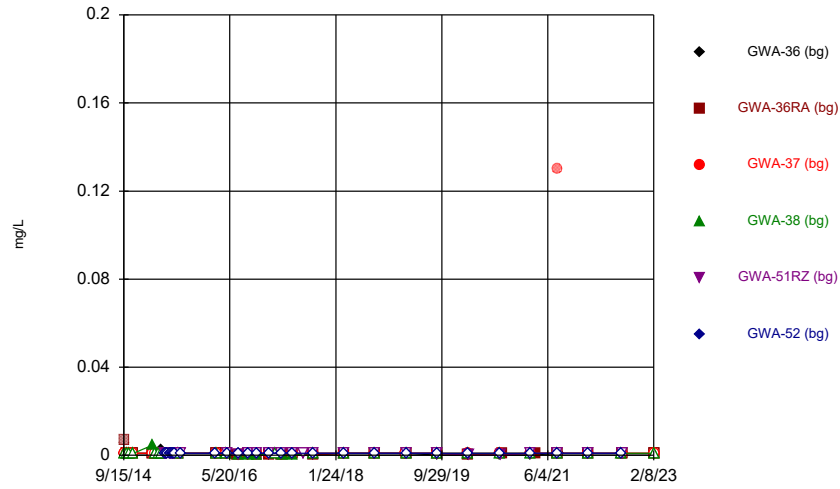
Constituent: Fluoride Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



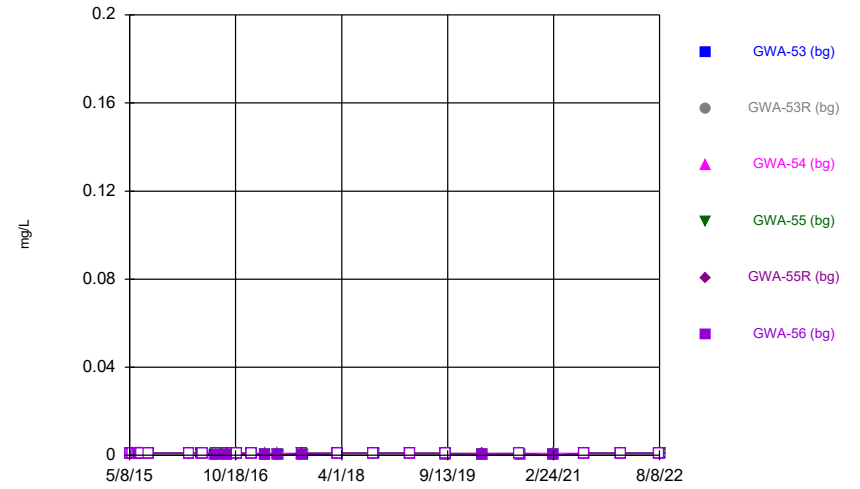
Constituent: Fluoride Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



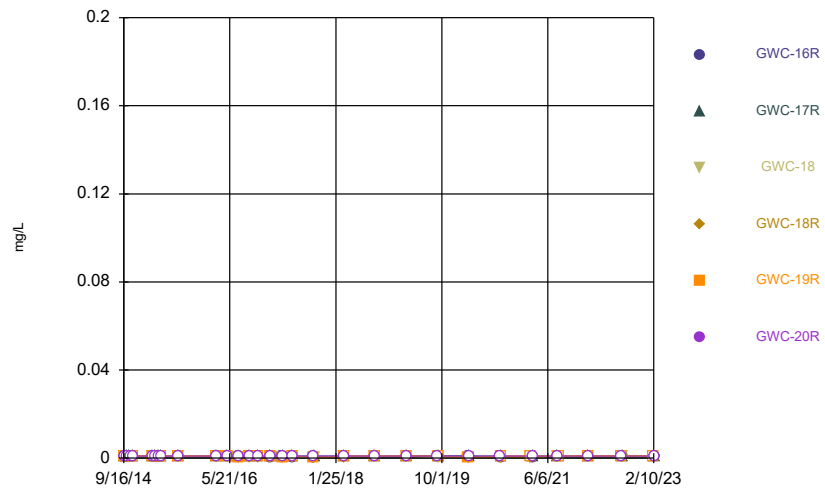
Constituent: Lead Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



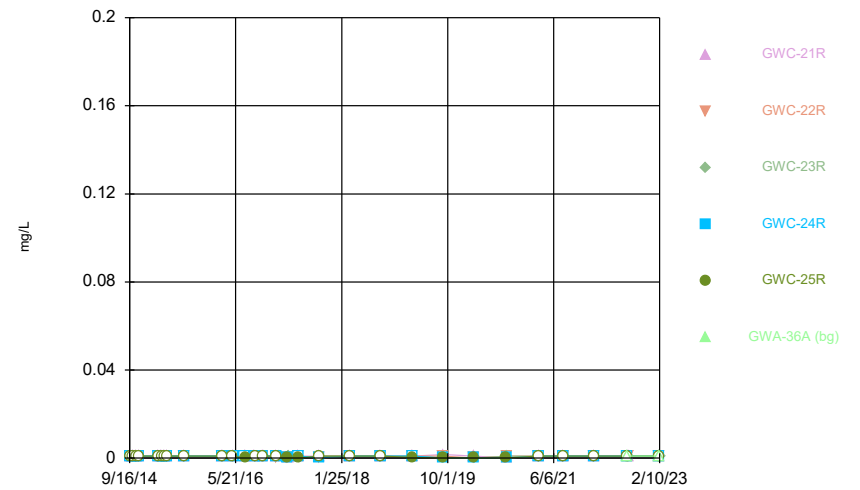
Constituent: Lead Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



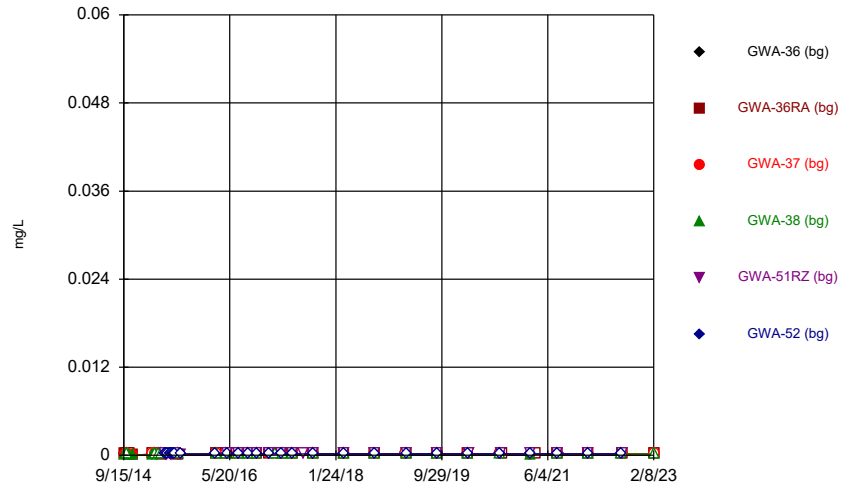
Constituent: Lead Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



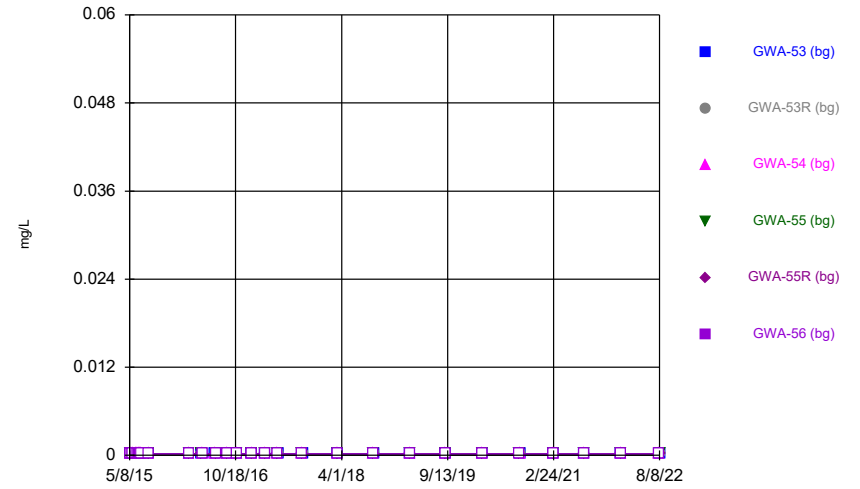
Constituent: Lead Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



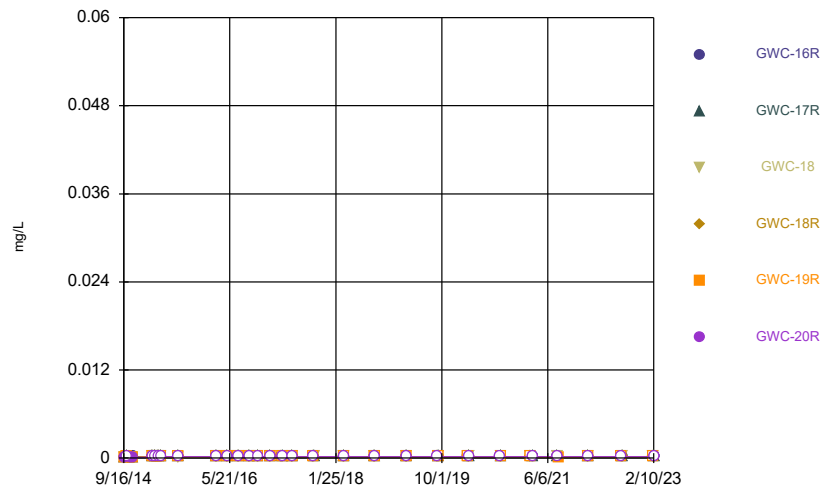
Constituent: Mercury Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



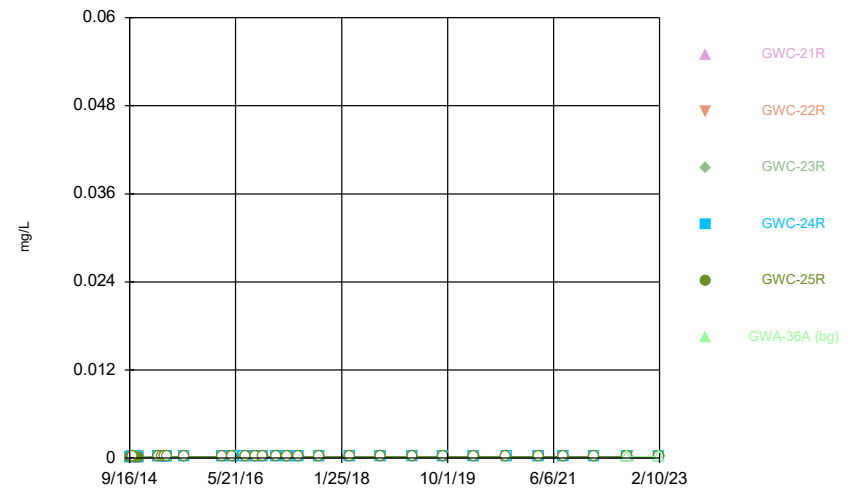
Constituent: Mercury Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



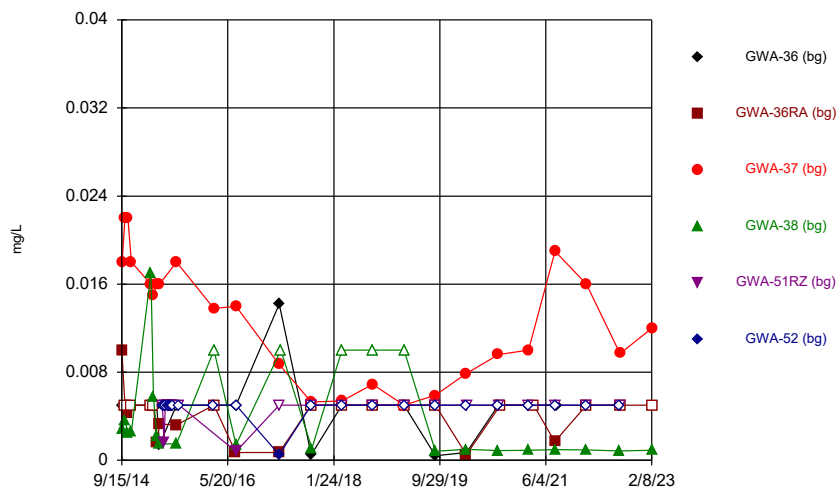
Constituent: Mercury Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



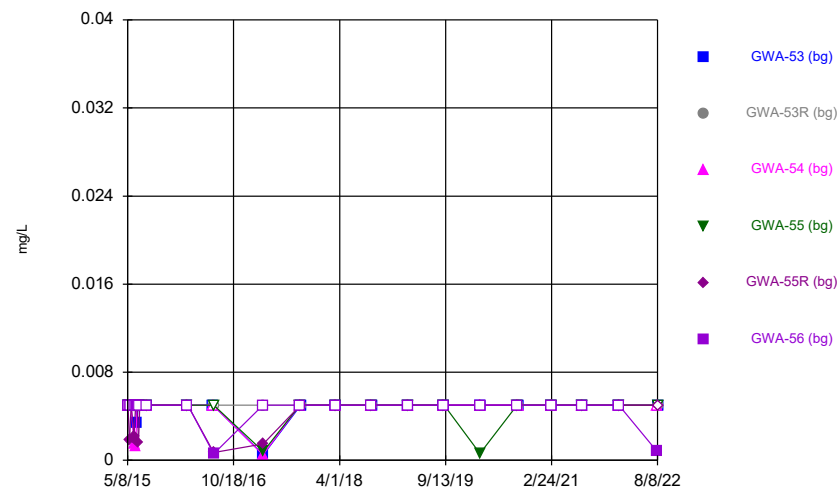
Constituent: Mercury Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



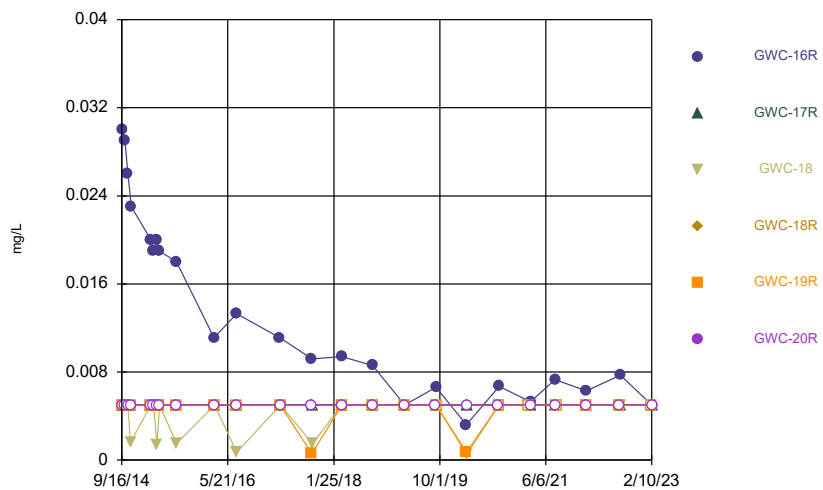
Constituent: Nickel Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



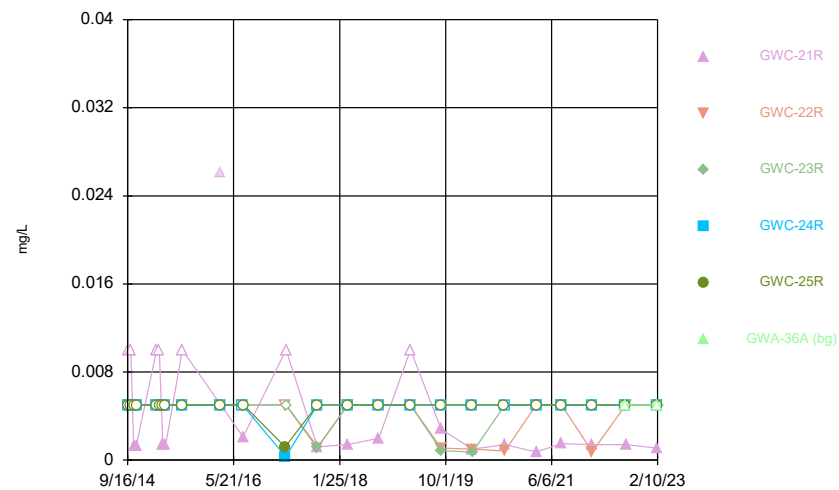
Constituent: Nickel Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



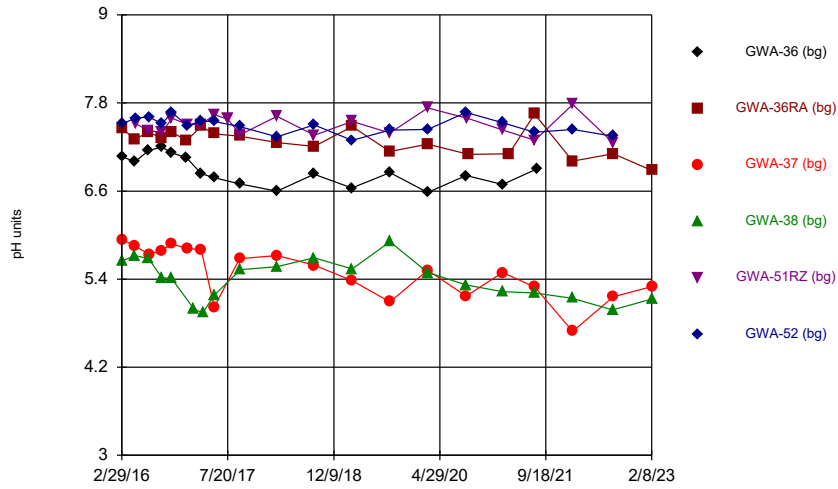
Constituent: Nickel Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



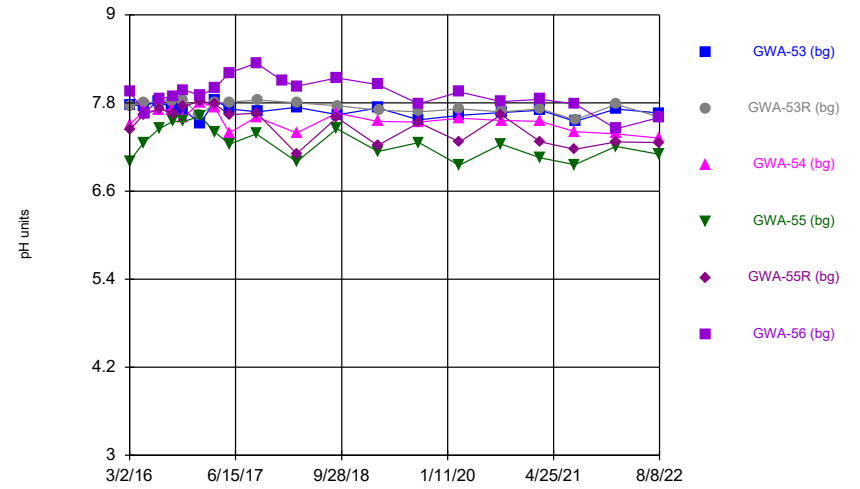
Constituent: Nickel Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



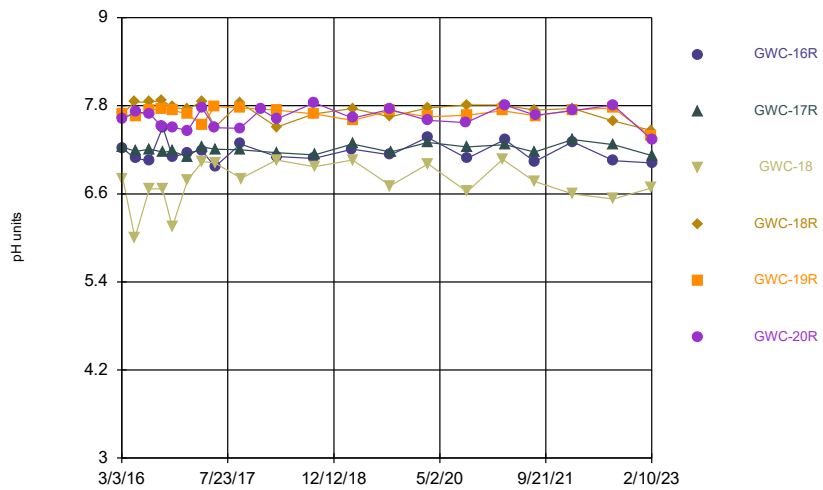
Constituent: pH Analysis Run 3/22/2023 3:02 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



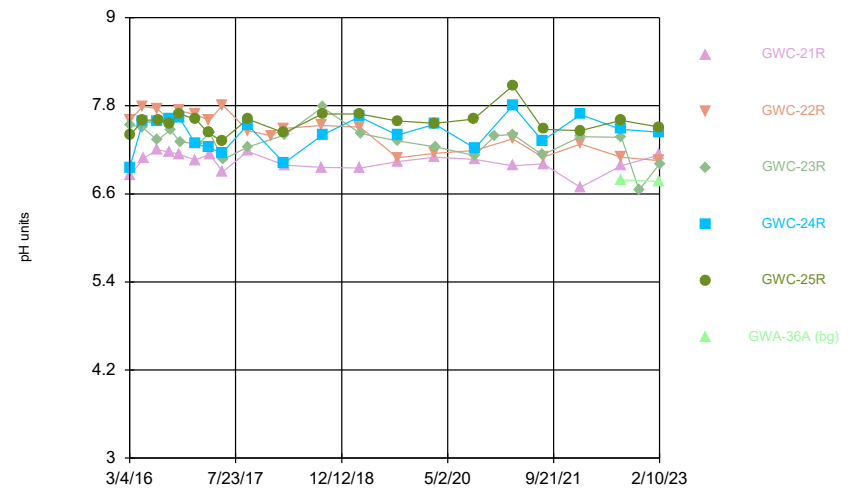
Constituent: pH Analysis Run 3/22/2023 3:02 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



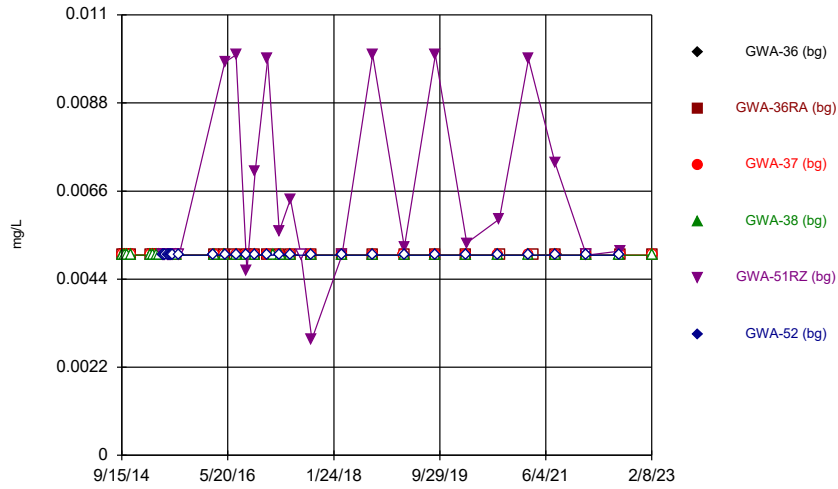
Constituent: pH Analysis Run 3/22/2023 3:02 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



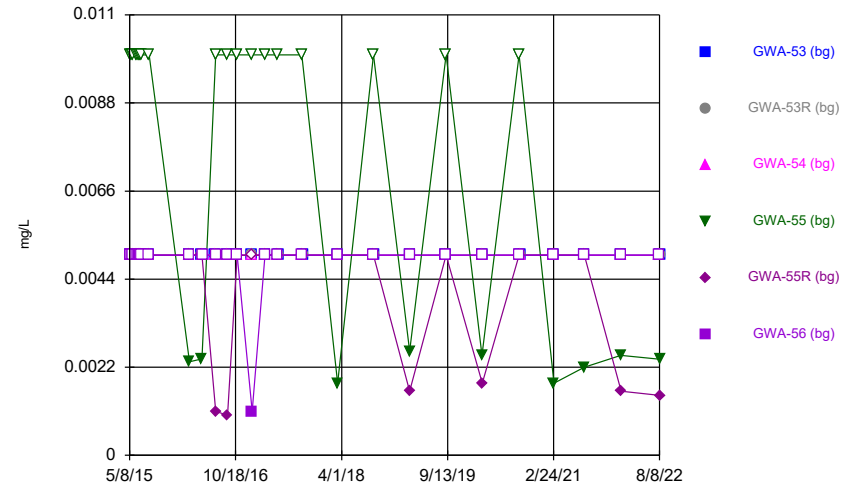
Constituent: pH Analysis Run 3/22/2023 3:02 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



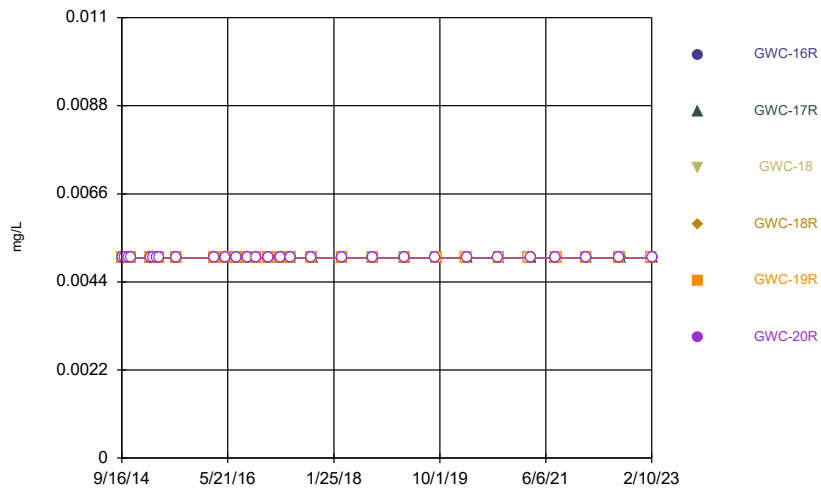
Constituent: Selenium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



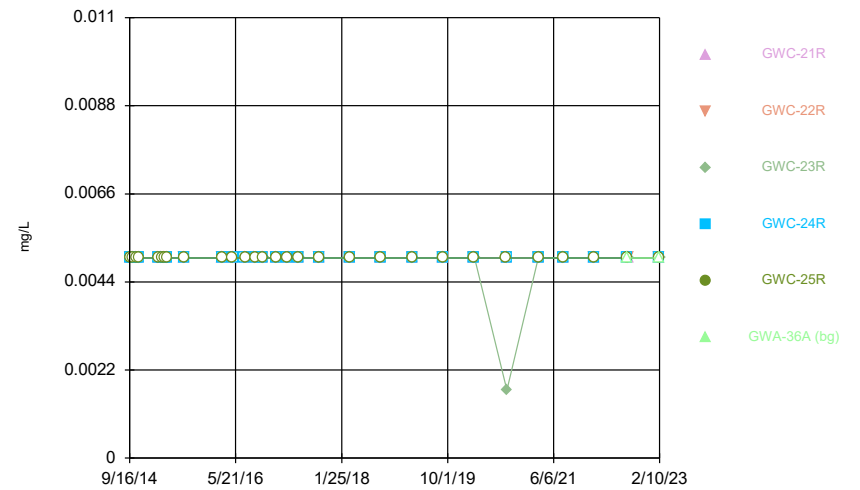
Constituent: Selenium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



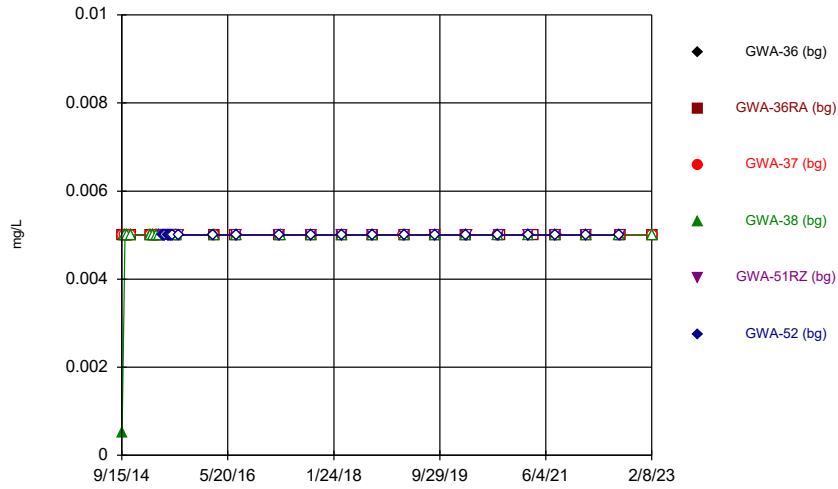
Constituent: Selenium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



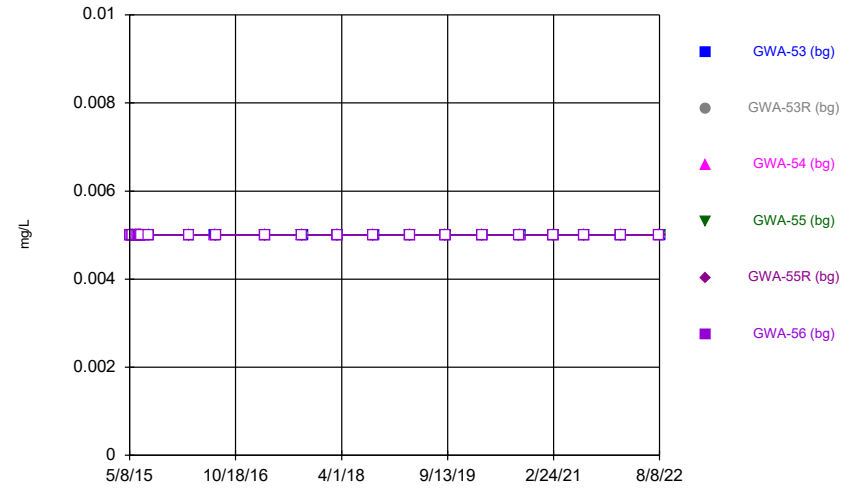
Constituent: Selenium Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



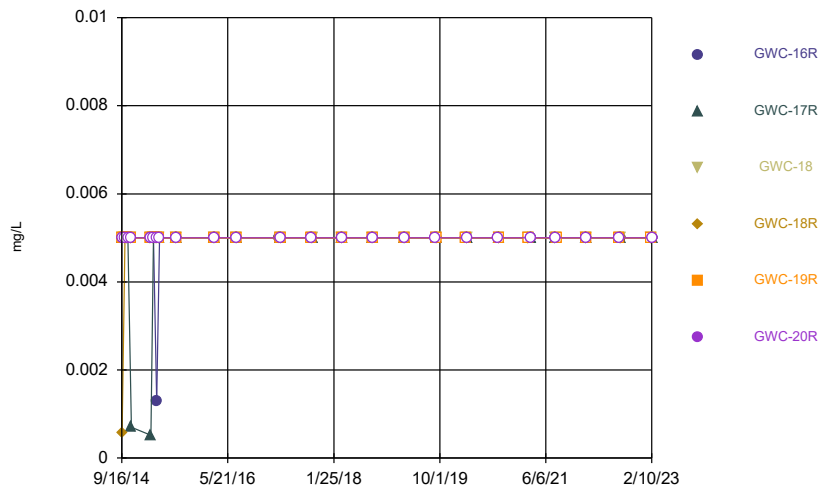
Constituent: Silver Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



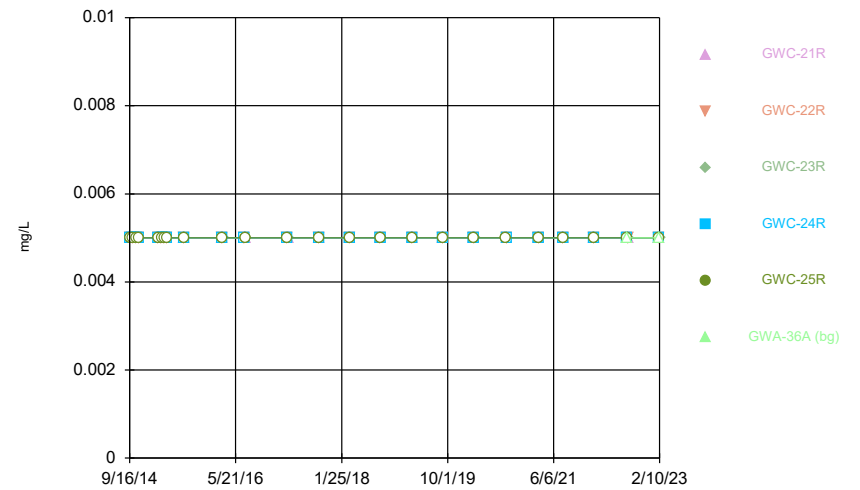
Constituent: Silver Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



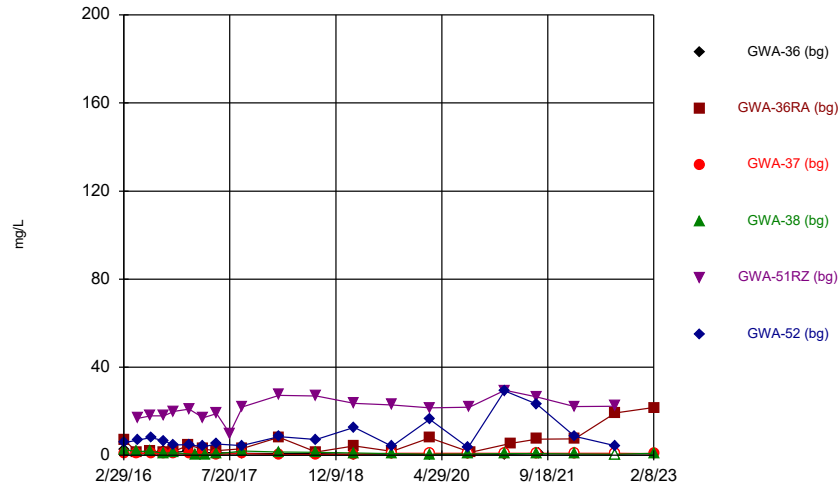
Constituent: Silver Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



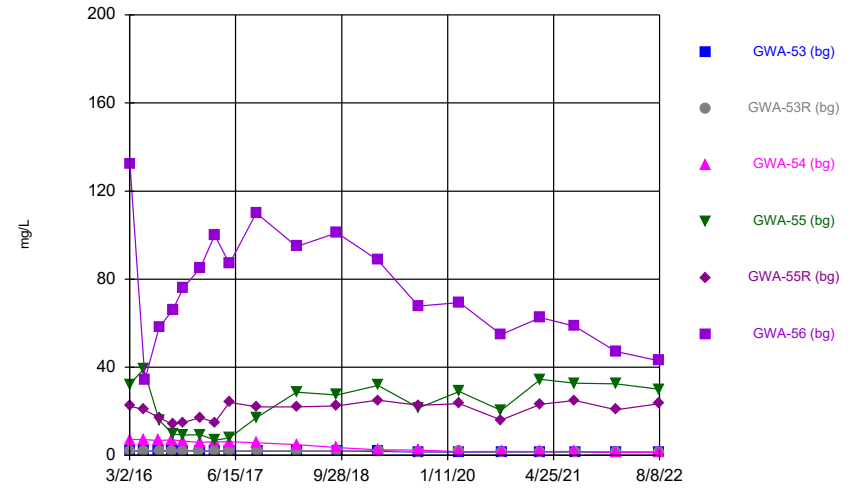
Constituent: Silver Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



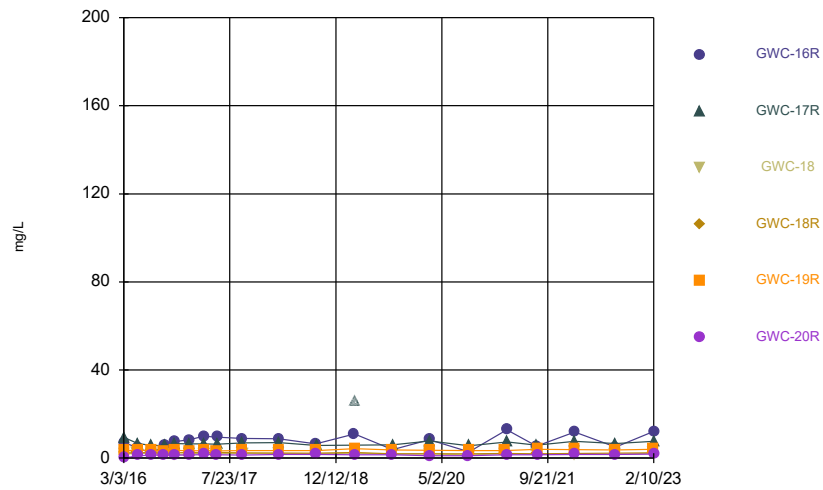
Constituent: Sulfate Analysis Run 3/22/2023 3:03 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



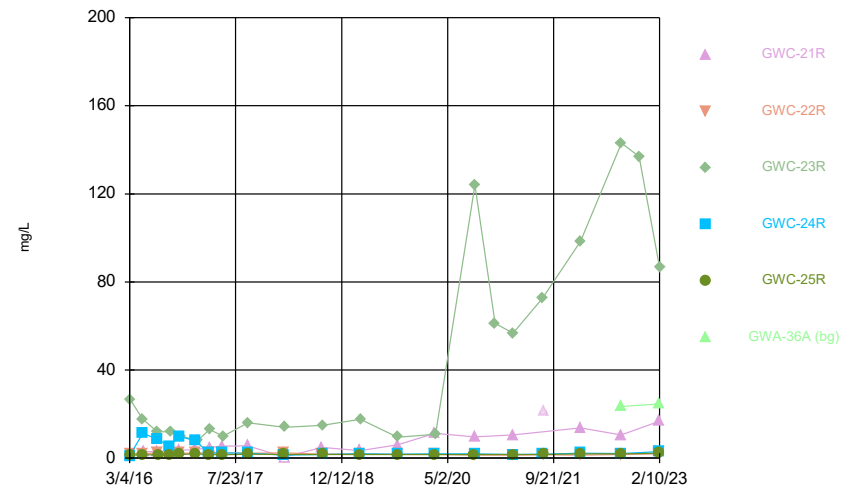
Constituent: Sulfate Analysis Run 3/22/2023 3:03 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



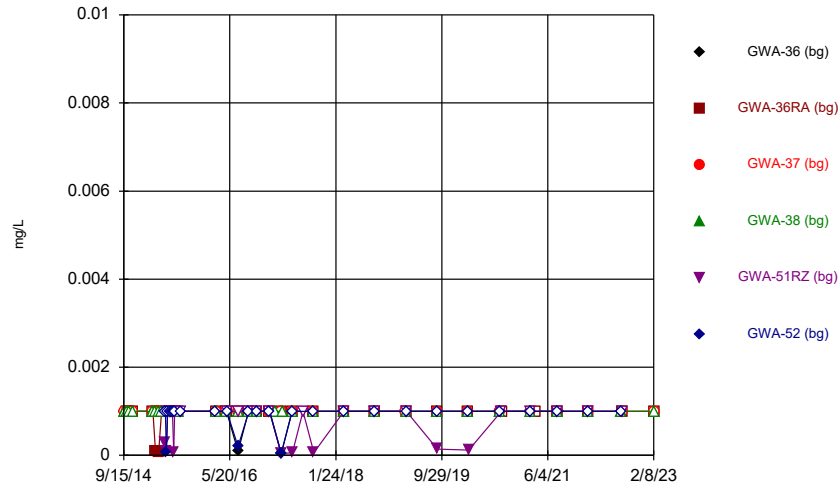
Constituent: Sulfate Analysis Run 3/22/2023 3:03 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



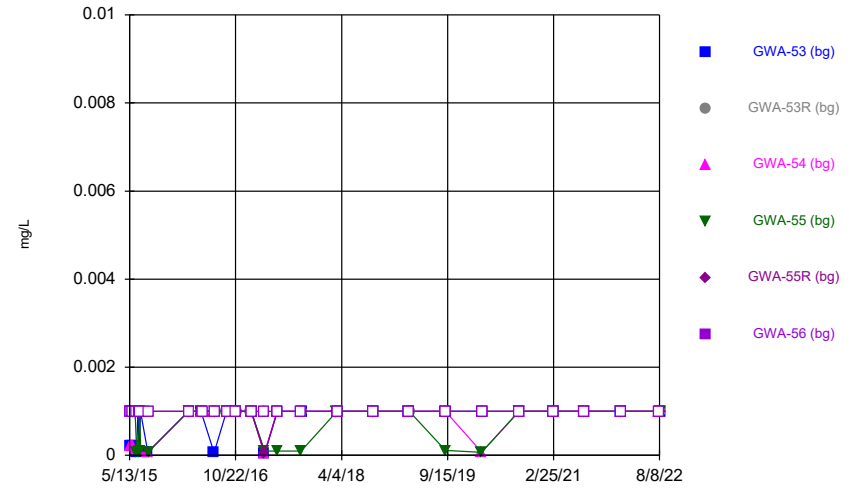
Constituent: Sulfate Analysis Run 3/22/2023 3:03 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



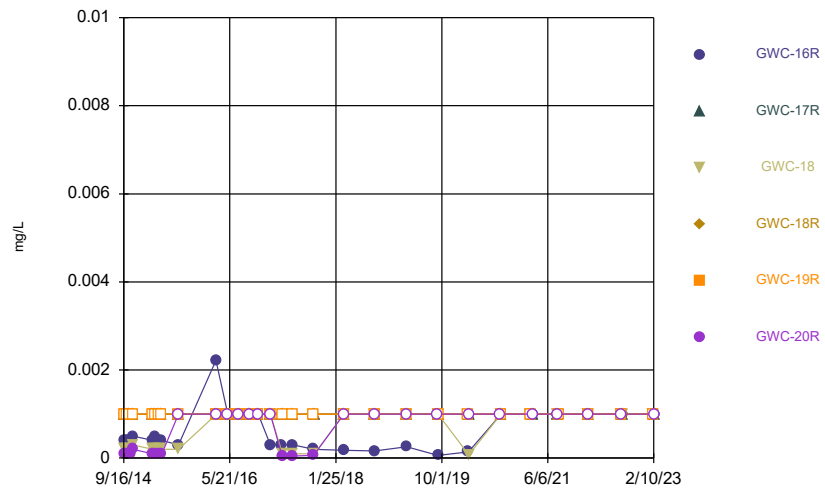
Constituent: Thallium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



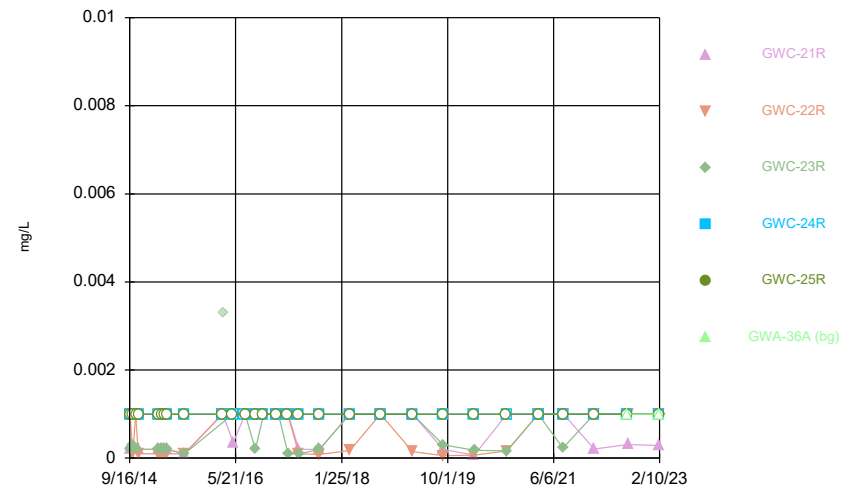
Constituent: Thallium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



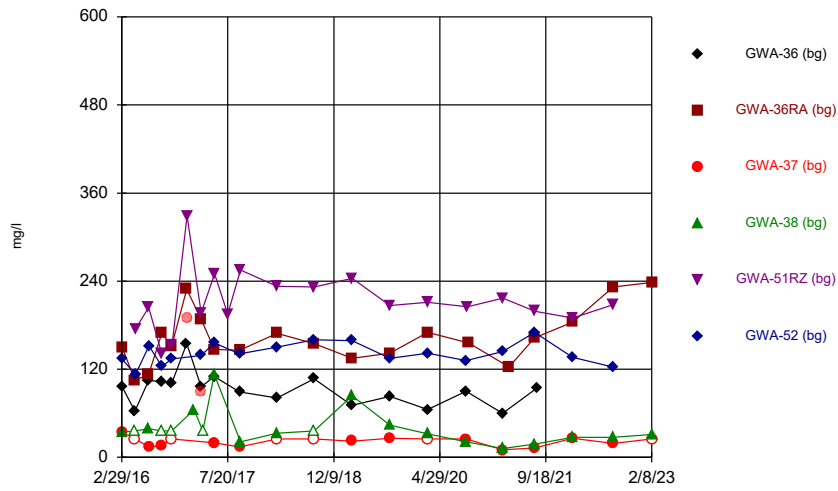
Constituent: Thallium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



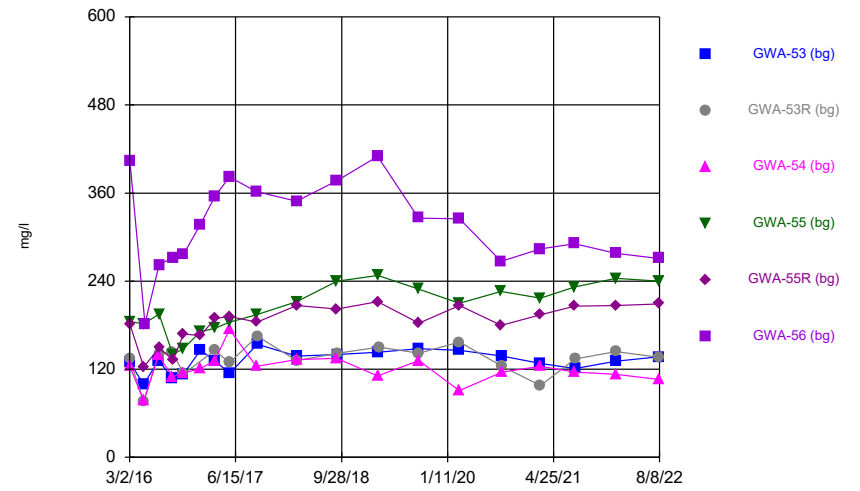
Constituent: Thallium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



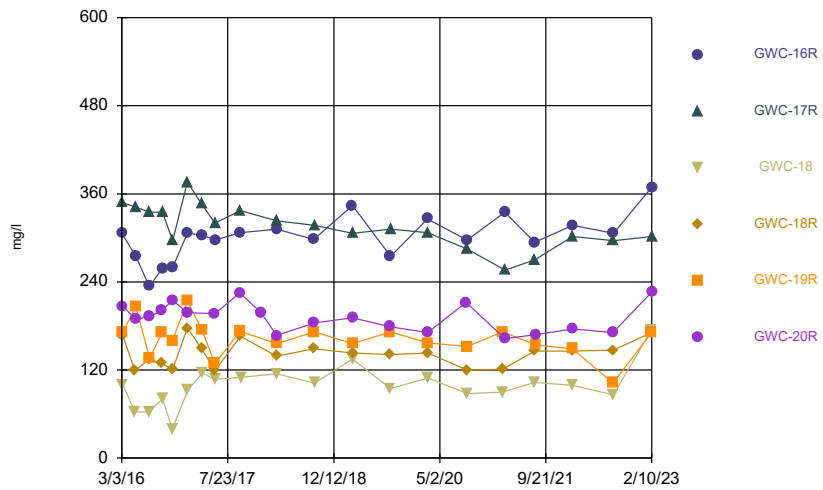
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



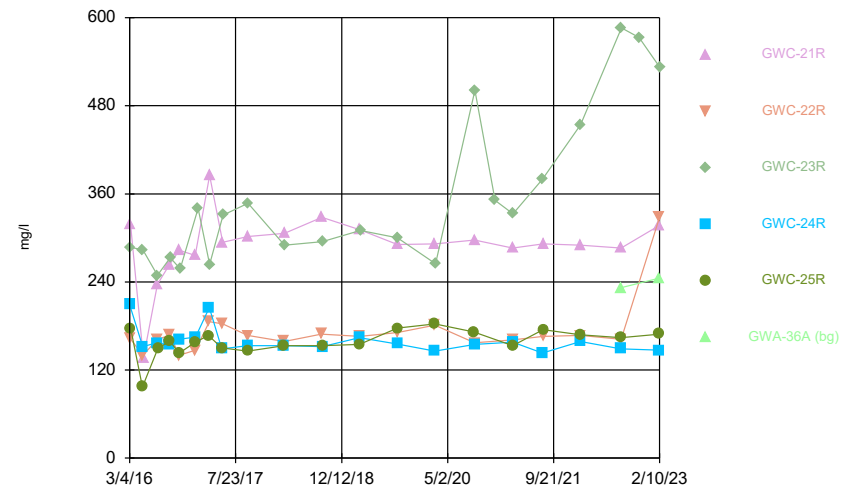
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



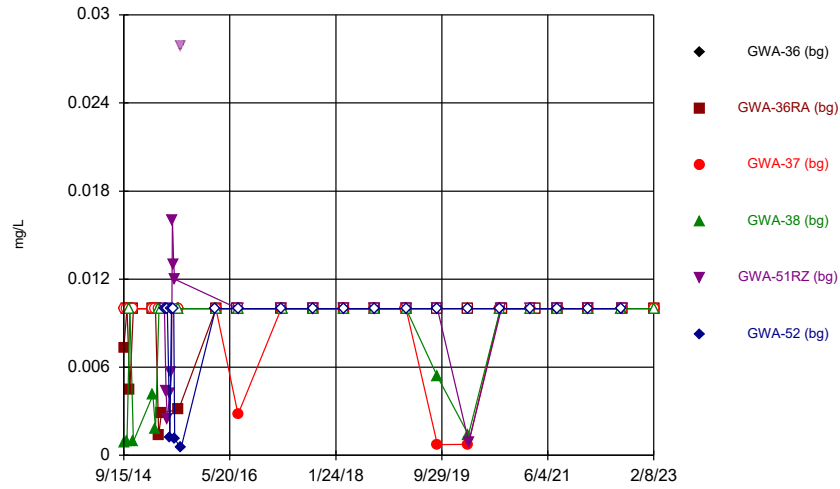
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



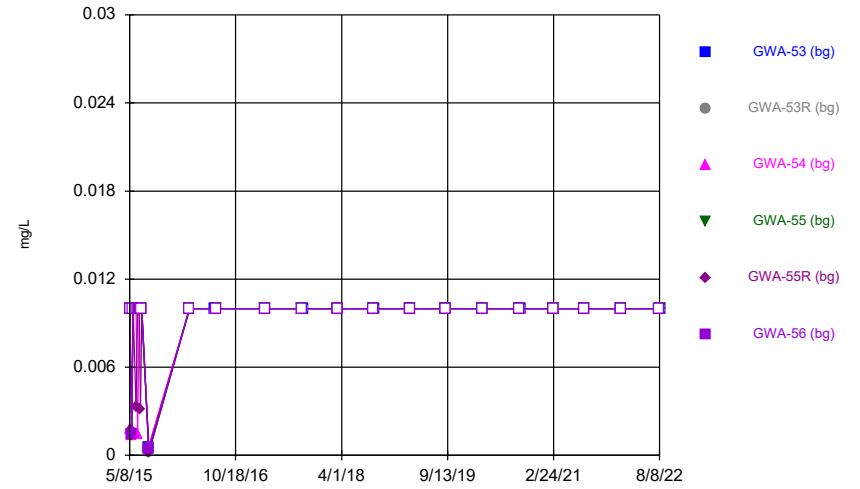
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



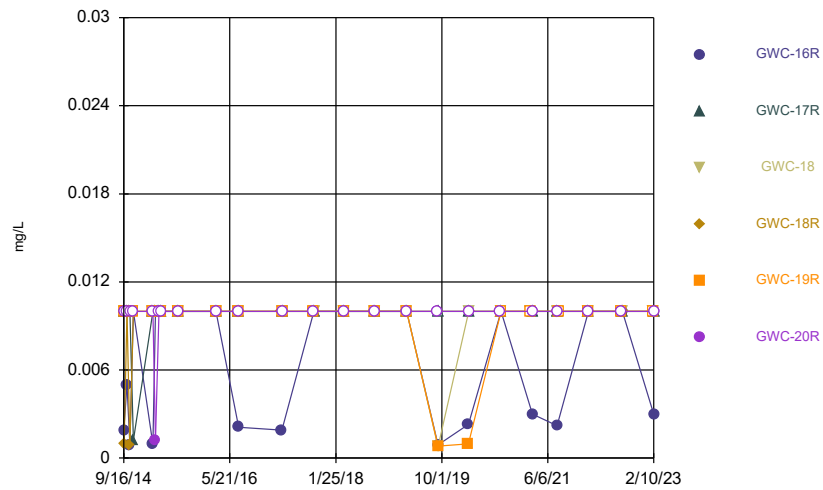
Constituent: Vanadium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



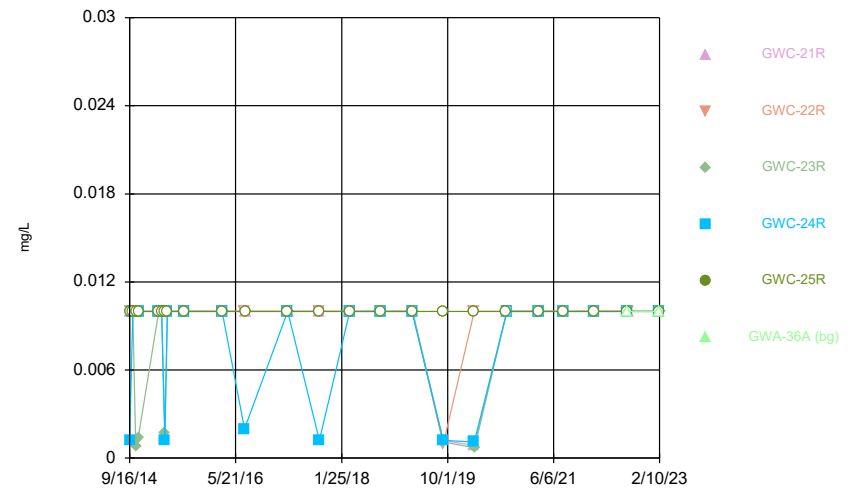
Constituent: Vanadium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



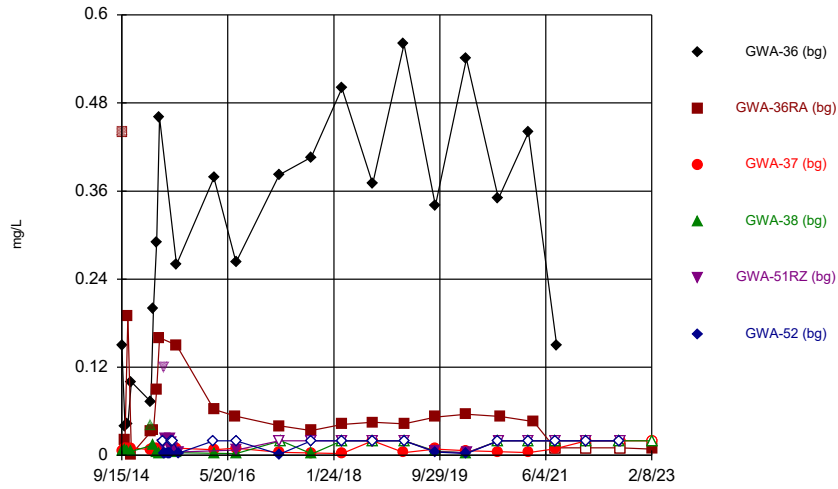
Constituent: Vanadium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



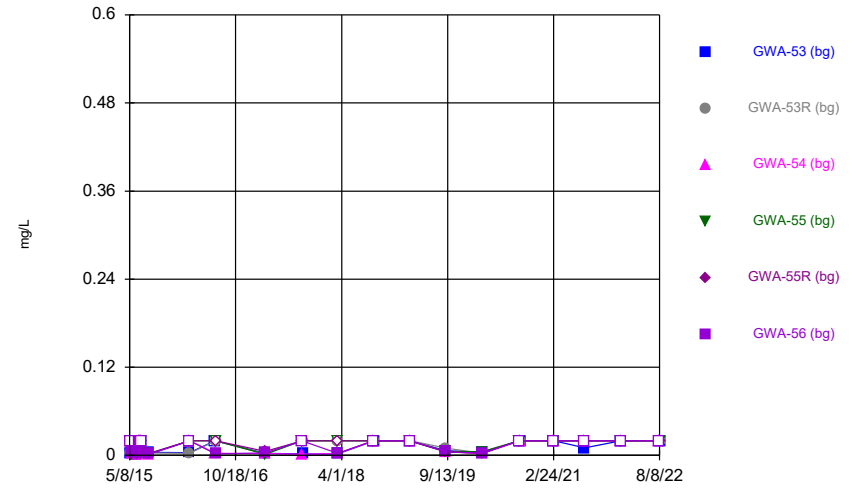
Constituent: Vanadium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



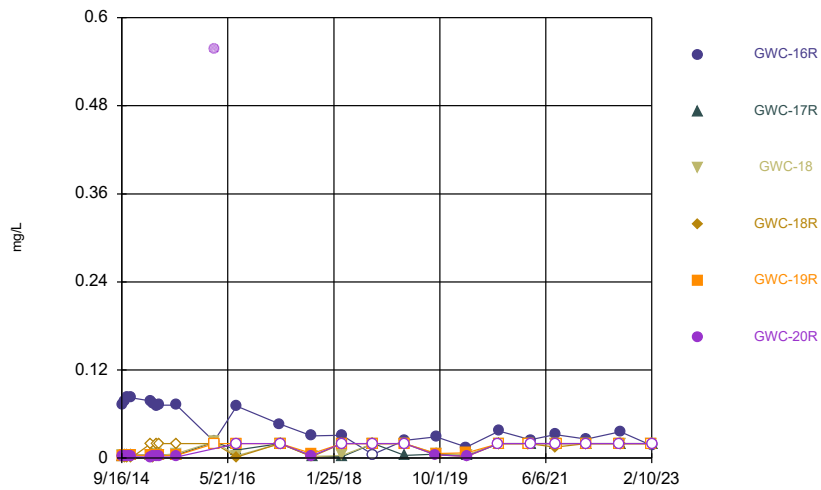
Constituent: Zinc Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



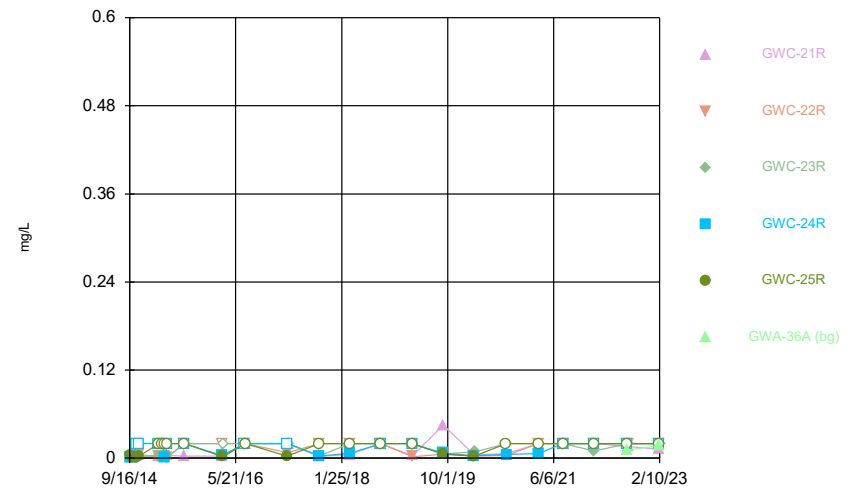
Constituent: Zinc Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



Constituent: Zinc Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



Constituent: Zinc Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.003	<0.003				
9/16/2014			<0.003	<0.003		
10/3/2014	<0.003	<0.003	<0.003	<0.003		
10/20/2014	<0.003	<0.003	<0.003	<0.003		
11/10/2014	<0.003	<0.003	<0.003	<0.003		
3/2/2015	<0.003	<0.003	<0.003	<0.003		
3/17/2015	<0.003	<0.003	<0.003	<0.003		
4/5/2015	<0.003	<0.003	<0.003			
4/6/2015				<0.003		
4/21/2015	<0.003	<0.003				
4/22/2015			<0.003	<0.003		
5/8/2015					<0.003	<0.003
5/17/2015					<0.003	<0.003
5/25/2015					<0.003	<0.003
6/8/2015					<0.003	<0.003
6/18/2015					<0.003	<0.003
6/24/2015					<0.003	<0.003
6/30/2015					<0.003	<0.003
7/6/2015					<0.003	<0.003
7/28/2015	<0.003	<0.003	<0.003	<0.003		
8/12/2015					<0.003	<0.003
2/29/2016						<0.003
3/1/2016	<0.003	<0.003	0.00214 (J)			
3/2/2016				<0.003		
5/2/2016	<0.003	<0.003				
5/3/2016			0.00178 (J)	<0.003		
5/4/2016					0.00254 (J)	<0.003
7/6/2016		<0.003				
7/7/2016	<0.003			<0.003	0.0033 (D)	
7/8/2016			0.0023 (J)			<0.003
9/7/2016	<0.003	<0.003	0.0039			
9/8/2016				<0.003	0.0046 (o)	<0.003
10/25/2016	<0.003	<0.003	0.0035	<0.003		
10/26/2016					0.001 (J)	<0.003
1/5/2017	<0.003	<0.003				
1/6/2017			0.0052		0.0011 (J)	<0.003
2/9/2017				<0.003		
3/14/2017		<0.003	0.003			
3/15/2017	0.0004 (J)				0.0006 (J)	<0.003
3/23/2017				<0.003		
5/16/2017		<0.003	0.0026 (J)			
5/17/2017	0.0032			<0.003		<0.003
5/18/2017					0.0009 (J)	
7/19/2017					<0.003	
9/15/2017	<0.003	<0.003	0.0016 (J)			<0.003
9/19/2017				<0.003	<0.003	
3/12/2018	<0.003	<0.003	0.0023 (J)			
3/13/2018				<0.003	<0.003	<0.003
9/6/2018	<0.003	<0.003	0.0024 (J)	<0.003		<0.003
9/7/2018					<0.003	
3/6/2019	<0.003		0.0019 (J)			
3/7/2019		<0.003		<0.003		<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.003	
9/4/2019	0.001 (J)	<0.003	0.0029 (J)	<0.003	0.0006 (J)	<0.003
3/2/2020	<0.003	<0.003	0.0018 (J)	<0.003		<0.003
3/3/2020					<0.003	
9/3/2020	0.00094 (J)		0.0012 (J)	<0.003		<0.003
9/9/2020					0.00035 (J)	
9/14/2020		<0.003				
2/24/2021	0.00068 (J)		0.0012 (J)	<0.003		<0.003
2/25/2021					0.00061 (J)	
3/26/2021		0.00092 (J)				
7/27/2021		<0.003				0.0028 (J)
7/28/2021			0.0016 (J)	<0.003	0.00082 (J)	
8/6/2021	<0.003					
1/25/2022				<0.003		<0.003
1/26/2022		<0.003	<0.003		<0.003	
8/5/2022				<0.003		<0.003
8/8/2022		0.0015 (J)	0.0018 (J)			
8/9/2022					<0.003	
2/8/2023		<0.003	0.0013 (J)	<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.003				
5/9/2015	<0.003		<0.003	<0.003	<0.003	<0.003
5/17/2015		<0.003				
5/18/2015	<0.003		<0.003	<0.003	<0.003	
5/19/2015						<0.003
5/25/2015	<0.003	<0.003	<0.003			
5/26/2015				<0.003	<0.003	<0.003
6/8/2015	<0.003	<0.003				
6/9/2015			<0.003	<0.003	<0.003	<0.003
6/17/2015	<0.003		<0.003	<0.003	<0.003	<0.003
6/18/2015		<0.003				
6/24/2015	<0.003	<0.003				
6/25/2015			<0.003	<0.003	<0.003	<0.003
6/30/2015	<0.003	<0.003				
7/1/2015			<0.003	<0.003	<0.003	<0.003
7/6/2015	<0.003	<0.003				
7/7/2015			<0.003	<0.003	<0.003	<0.003
8/12/2015	<0.003	<0.003	<0.003			
8/13/2015				<0.003	<0.003	<0.003
3/2/2016	0.000782 (J)	0.00106 (J)	<0.003	0.000608 (J)		
3/3/2016					<0.003	<0.003
5/3/2016	<0.003	0.00171 (J)		<0.003	<0.003	
5/4/2016			<0.003			
5/9/2016						<0.003
7/8/2016	<0.003		<0.003			
7/11/2016		<0.003		<0.003	<0.003	<0.003
9/7/2016		0.0013 (J)				
9/8/2016	0.0009 (J)		0.0019 (J)			
9/9/2016				<0.003	0.0009 (J)	<0.003
10/26/2016	0.0012 (J)		<0.003	<0.003		<0.003
10/27/2016		0.0011 (J)			<0.003	
1/6/2017		0.0013 (J)				
1/9/2017	<0.003		<0.003	<0.003	0.0023 (J)	0.0012 (J)
3/15/2017			<0.003			<0.003
3/16/2017	<0.003	0.0029 (J)		<0.003	0.0007 (J)	
5/18/2017			<0.003	<0.003	0.0012 (J)	<0.003
5/19/2017	0.0005 (J)	<0.003				
9/15/2017			<0.003	<0.003		<0.003
9/18/2017					<0.003	
9/19/2017	<0.003	<0.003				
3/12/2018				<0.003	<0.003	
3/13/2018	<0.003	0.0034	<0.003			<0.003
9/6/2018			0.001 (J)			
9/7/2018				<0.003	<0.003	<0.003
9/11/2018	<0.003	0.0033				
3/7/2019			<0.003		<0.003	<0.003
3/8/2019	<0.003			<0.003		
3/12/2019		0.002 (J)				
9/4/2019						<0.003
9/5/2019	0.00035 (J)	0.00035 (J)	<0.003	<0.003	<0.003	
3/3/2020			0.0011 (J)	<0.003		
3/4/2020	0.0019 (J)	0.00053 (J)			<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.00065 (J)	<0.003	<0.003
9/8/2020	0.0017 (J)	0.00078 (J)	<0.003			
2/25/2021			<0.003	<0.003	<0.003	<0.003
2/26/2021	<0.003	0.0006 (J)				
7/27/2021			0.00086 (J)			
7/28/2021				<0.003	<0.003	<0.003
7/29/2021	0.00096 (J)	0.00096 (J)				
1/25/2022			<0.003			
1/26/2022	<0.003	<0.003		<0.003		<0.003
1/27/2022					<0.003	
8/5/2022			<0.003			<0.003
8/8/2022	<0.003	<0.003		<0.003	<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.0083					
9/17/2014		<0.003	<0.003	<0.003	<0.003	
9/18/2014						<0.003
10/4/2014	<0.0083	<0.003	<0.003	<0.003	<0.003	
10/5/2014						<0.003
10/21/2014	<0.0083	<0.003	<0.003	<0.003	<0.003	
10/22/2014						<0.003
11/5/2014			<0.003		<0.003	<0.003
11/11/2014	<0.0083	<0.003		<0.003		
3/3/2015	<0.0083	<0.003	<0.003	<0.003	<0.003	
3/4/2015						<0.003
3/18/2015	<0.0083	<0.003	<0.003	<0.003		
3/19/2015					<0.003	<0.003
4/6/2015	<0.0083	<0.003				
4/7/2015			<0.003	<0.003	<0.003	<0.003
4/23/2015	<0.0083	<0.003	<0.003	<0.003		
4/24/2015					<0.003	<0.003
7/29/2015	<0.0083	<0.003	<0.003	<0.003	<0.003	
7/30/2015						<0.003
3/3/2016	0.00472 (D)					
3/4/2016		<0.003				
3/7/2016			0.003	<0.003	<0.003	
3/8/2016						<0.003
5/5/2016			<0.003	0.000672 (J)		
5/9/2016					<0.003	<0.003
5/10/2016	0.0047	0.000641 (J)				
7/13/2016	<0.0083		<0.003	<0.003		
7/14/2016		<0.003			<0.003	<0.003
9/12/2016				<0.003	<0.003	<0.003
9/13/2016			<0.003			
9/14/2016		0.0012 (J)				
9/15/2016	0.0013 (J)					
10/31/2016			<0.003		<0.003	<0.003
11/1/2016		<0.003		<0.003		
11/2/2016	0.0021 (J)					
1/11/2017	0.0086	<0.003		<0.003	<0.003	
1/12/2017			<0.003			<0.003
3/20/2017	0.0187			0.0005 (J)		
3/21/2017		<0.003			<0.003	
3/22/2017						<0.003
3/23/2017			<0.003			
5/22/2017				<0.003	<0.003	<0.003
5/23/2017	0.0097	<0.003	<0.003			
9/19/2017						<0.003
9/20/2017					<0.003	
9/21/2017	0.0078			0.0008 (J)		
9/22/2017		<0.003				
9/25/2017			<0.003			
3/14/2018	0.015	<0.003	<0.003	<0.003	<0.003	<0.003
9/7/2018	0.0026 (J)			<0.003		
9/10/2018					<0.003	<0.003
9/11/2018		<0.003	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.02					
3/12/2019		<0.003	<0.003	0.00091 (J)	<0.003	<0.003
9/6/2019				0.00028 (J)		0.001755 (JD)
9/9/2019	0.011		<0.003		<0.003	
9/10/2019		<0.003				
3/4/2020	0.019				<0.003	
3/5/2020		<0.003		0.00068 (J)		<0.003
3/6/2020			0.00049 (J)			
9/4/2020						<0.003
9/9/2020	0.015	<0.003	<0.003	<0.003	<0.003	
2/26/2021			<0.003	0.00059 (J)	<0.003	
3/9/2021	0.018					<0.003
3/10/2021		<0.003				
7/29/2021			<0.003	0.0024 (J)		
7/30/2021	0.019	<0.003				
8/2/2021						<0.003
8/5/2021					<0.003	
1/27/2022				<0.003	<0.003	<0.003
1/28/2022	0.027	<0.003	<0.003			
8/9/2022					<0.003	<0.003
8/10/2022			<0.003	<0.003		
8/11/2022	0.0099	<0.003				
2/9/2023			<0.003	<0.003	<0.003	
2/10/2023	0.02	<0.003				<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.003	<0.003	
9/18/2014	<0.0056	<0.003	<0.003			
10/4/2014				<0.003	<0.003	
10/5/2014	<0.0056	<0.003	<0.003			
10/22/2014	<0.0056	<0.003	<0.003			
10/23/2014				<0.003	<0.003	
11/5/2014	<0.0056	<0.003	<0.003			
11/10/2014				<0.003	<0.003	
3/4/2015	<0.0056	<0.003	<0.003	<0.003	<0.003	
3/19/2015	<0.0056	<0.003				
3/20/2015			<0.003	<0.003	<0.003	
4/8/2015	<0.0056	<0.003	<0.003	<0.003		
4/9/2015					<0.003	
4/23/2015			<0.003	<0.003	<0.003	
4/24/2015	<0.0056	<0.003				
7/30/2015	<0.0056	<0.003	<0.003	<0.003	<0.003	
3/4/2016				0.0271 (Jo)		
3/7/2016		<0.003				
3/8/2016	0.00318				0.0226 (o)	
3/9/2016			0.003			
5/4/2016					0.00107 (J)	
5/5/2016		<0.003		0.000761 (J)		
5/6/2016			0.000666 (J)			
5/9/2016	0.00454					
7/12/2016				0.0094 (o)		
7/14/2016		<0.003				
7/15/2016	<0.0056		<0.003			
7/18/2016					0.0004 (J)	
9/9/2016	0.0033					
9/12/2016		<0.003				
9/13/2016				0.0072 (o)	0.0028 (J)	
9/14/2016			0.0022 (J)			
10/27/2016	0.0046	<0.003		0.005	0.0011 (J)	
11/1/2016			<0.003			
1/12/2017	0.0064					
1/13/2017		<0.003		0.0012 (J)	<0.003	
1/25/2017			<0.003			
3/16/2017					0.0009 (J)	
3/20/2017		<0.003		0.0014 (J)		
3/21/2017	0.0058					
3/22/2017			0.0006 (J)			
5/19/2017				0.0006 (J)	<0.003	
5/23/2017	0.0023 (J)	<0.003				
5/24/2017			<0.003			
9/19/2017	0.0018 (J)	<0.003		<0.003	<0.003	
9/21/2017			<0.003			
3/13/2018		<0.003		0.0016 (J)	0.00093 (J)	
3/14/2018	0.0063		<0.003			
9/7/2018		<0.003				
9/10/2018	0.0033					
9/11/2018			<0.003	<0.003	<0.003	
3/8/2019				<0.003	<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.0029 (J)	<0.003				
3/12/2019			<0.003			
9/5/2019		<0.003		0.00031 (JD)	<0.003	
9/6/2019	0.01		0.00029 (J)			
3/3/2020	0.0019 (J)	<0.003		<0.003	<0.003	
3/5/2020			<0.003			
9/4/2020					0.0013 (J)	
9/8/2020	0.0041	<0.003				
9/9/2020			<0.003	0.00094 (J)		
3/9/2021	0.0024 (J)	<0.003		0.00035 (J)	<0.003	
3/10/2021			<0.003			
7/29/2021				0.0011 (J)		
7/30/2021			<0.003			
8/2/2021	0.0048	<0.003			<0.003	
1/27/2022		<0.003			<0.003	
1/28/2022	0.0061		<0.003	<0.003		
8/8/2022						<0.003
8/9/2022				<0.003	<0.003	
8/10/2022	0.0081	<0.003				
8/11/2022			<0.003			
2/8/2023						<0.003
2/9/2023	0.0064	<0.003		<0.003	<0.003	
2/10/2023			<0.003			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0036 (J)				
9/16/2014			<0.005	<0.005		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	0.0022 (J)	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	0.0062		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					0.0021 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					0.002 (J)	<0.005
6/18/2015					0.0028 (J)	<0.005
6/24/2015					0.0074	<0.005
6/30/2015					0.0065	<0.005
7/6/2015					0.0057	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					0.0162 (o)	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					<0.005	<0.005
7/6/2016		0.0008 (J)				
7/7/2016	<0.005			<0.005	0.0009 (J)	
7/8/2016			<0.005			<0.005
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				<0.005	<0.005	<0.005
10/25/2016	<0.005	<0.005	<0.005	<0.005		
10/26/2016					<0.005	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		<0.005	<0.005
2/9/2017				<0.005		
3/14/2017		<0.005	0.0005 (J)			
3/15/2017	<0.005				0.0006 (J)	<0.005
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			<0.005		<0.005
5/18/2017					0.0007 (J)	
7/19/2017					0.0061	
9/15/2017	<0.005	0.0007 (J)	<0.005			0.0006 (J)
9/19/2017				<0.005	0.0021 (J)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.00061 (J)	0.0017 (J)	0.00063 (J)
9/6/2018	<0.005	<0.005	<0.005	0.00071 (J)		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	<0.005	0.00061 (J)	<0.005
3/2/2020	<0.005	<0.005	0.00053 (J)	0.00059 (J)		<0.005
3/3/2020					0.00073 (J)	
9/3/2020	<0.005		<0.005	<0.005		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	<0.005		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		<0.005				0.0016 (J)
7/28/2021			<0.005	<0.005	0.0031 (J)	
8/6/2021	<0.005					
1/25/2022				<0.005		0.003 (J)
1/26/2022		<0.005	0.0019 (J)		0.0047 (J)	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	0.0028 (J)	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	0.0024 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	0.0021 (J)
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		<0.005	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	0.001 (J)	0.001 (J)
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.005	<0.005	<0.005
10/26/2016	<0.005		<0.005	<0.005		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005
3/15/2017			0.0006 (J)			0.0005 (J)
3/16/2017	0.0005 (J)	0.0005 (J)		0.0005 (J)	0.0007 (J)	
5/18/2017			<0.005	0.0006 (J)	0.0006 (J)	0.0006 (J)
5/19/2017	0.0007 (J)	0.0007 (J)				
9/15/2017			<0.005	0.0007 (J)		0.0008 (J)
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	0.00058 (J)	<0.005	0.00066 (J)			0.00088 (J)
9/6/2018			0.00057 (J)			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	0.00085 (J)
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	0.00039 (J)	0.00046 (J)	0.00038 (J)	0.00044 (J)	0.00042 (J)	
3/3/2020			<0.005	<0.005		
3/4/2020	0.00044 (J)	0.00043 (J)			<0.005	0.0004 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			0.0014 (J)			
7/28/2021				0.0026 (J)	0.0029 (J)	0.0034 (J)
7/29/2021	0.0032 (J)	0.0037 (J)				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		0.0015 (J)
1/27/2022					0.0019 (J)	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	<0.005		0.005		
3/3/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.08869 (oD)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	0.00128 (J)	<0.005				
7/13/2016	0.001 (J)		<0.005	<0.005		
7/14/2016		<0.005			<0.005	0.0008 (J)
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	0.0017 (J)					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	0.0012 (J)			0.0006 (J)		
3/21/2017		0.0009 (J)			0.0007 (J)	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	<0.005	<0.005	<0.005			
9/19/2017						0.0006 (J)
9/20/2017					<0.005	
9/21/2017	0.001 (J)			<0.005		
9/22/2017		0.0008 (J)				
9/25/2017			<0.005			
3/14/2018	0.0013 (J)	0.00092 (J)	0.00091 (J)	0.00057 (J)	0.00076 (J)	0.0011 (J)
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		0.00047 (JD)
9/9/2019	0.00094 (J)		0.00099 (J)		0.00082 (J)	
9/10/2019		<0.005				
3/4/2020	0.00088 (J)				0.00072 (J)	
3/5/2020		<0.005		0.00042 (J)		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	0.0011 (J)	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.00094 (J)					<0.005
3/10/2021		<0.005				
7/29/2021			0.0015 (J)	0.002 (J)		
7/30/2021	0.0025 (J)	0.0053				
8/2/2021						0.0028 (J)
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.005	<0.005			
10/22/2014	<0.005	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				0.0015 (J)		
3/7/2016		<0.005				
3/8/2016	0.0148 (o)				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.005		<0.005		
5/6/2016			<0.005			
5/9/2016	0.00347 (J)					
7/12/2016				0.0009 (J)		
7/14/2016		0.001 (J)				
7/15/2016	0.0017 (J)		<0.005			
7/18/2016					<0.005	
9/9/2016	<0.005					
9/12/2016		<0.005				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.005		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	0.002 (J)					
1/13/2017		<0.005		<0.005	<0.005	
1/25/2017			<0.005			
3/16/2017					0.0004 (J)	
3/20/2017		0.0012 (J)		0.0013 (J)		
3/21/2017	0.0021 (J)					
3/22/2017			<0.005			
5/19/2017				0.001 (J)	0.0005 (J)	
5/23/2017	<0.005	<0.005				
5/24/2017			0.0006 (J)			
9/19/2017	0.0013 (J)	0.0021 (J)		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		0.00087 (J)		0.0015 (J)	0.00073 (J)	
3/14/2018	0.0033 (J)		0.0014 (J)			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.0038 (J)	0.00099 (J)				
3/12/2019			<0.005			
9/5/2019		0.0024 (J)		0.0005 (JD)	<0.005	
9/6/2019	0.0024 (J)		0.00054 (J)			
3/3/2020	0.0015 (J)	0.0014 (J)		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					<0.005	
9/8/2020	0.0023 (J)	0.0025 (J)				
9/9/2020			<0.005	<0.005		
3/9/2021	0.0045 (J)	0.0018 (J)		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				0.0031 (J)		
7/30/2021			0.006			
8/2/2021	0.0071	0.0041 (J)			0.0036 (J)	
1/27/2022		0.0045 (J)			<0.005	
1/28/2022	0.0031 (J)		0.0026 (J)	0.0021 (J)		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	0.0025 (J)	0.0035 (J)				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0025 (J)	0.003 (J)		<0.005	<0.005	
2/10/2023			0.0032 (J)			

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.0069	0.031				
9/16/2014			0.0071	0.014		
10/3/2014	0.0045	0.024	0.0087	0.016		
10/20/2014	0.0044	0.024	0.0085	0.014		
11/10/2014	<0.0013	0.014	0.008	0.015		
3/2/2015	0.0045	0.013	0.0063	0.03 (o)		
3/17/2015	0.0078	0.013	0.0066	0.018		
4/5/2015	0.01	0.022	0.0068			
4/6/2015				0.014		
4/21/2015	0.013	0.018				
4/22/2015			0.0094	0.012		
5/8/2015					0.0094	0.033
5/17/2015					0.014	0.04
5/25/2015					0.012	0.039
6/8/2015					0.0094	0.031
6/18/2015					0.0075	0.039
6/24/2015					0.0056	0.042
6/30/2015					0.0047	0.033
7/6/2015					0.0047	0.031
7/28/2015	0.011	0.022	0.0057	0.012		
8/12/2015					0.00383 (J)	<-0.02
2/29/2016						0.028
3/1/2016	0.0189	0.021	0.0101			
3/2/2016				0.0123		
5/2/2016	0.0133	0.0225				
5/3/2016			0.0104	0.0114		
5/4/2016					0.0207	0.0273
7/6/2016		0.0249				
7/7/2016	0.013			0.012	0.0207	
7/8/2016			0.0095 (J)			0.0284
9/7/2016	0.0116	0.0251	0.0095 (J)			
9/8/2016				0.0131	0.0278	0.0242
10/25/2016	0.0129	0.0274	0.0121	0.0122		
10/26/2016					0.0204	0.021
1/5/2017	0.013	0.028				
1/6/2017			0.014		0.0221	0.0219
2/9/2017				0.0104		
3/14/2017		0.02	0.009 (J)			
3/15/2017	0.0121				0.0172	0.0202
3/23/2017				0.0128		
5/16/2017		0.0221	0.0084 (J)			
5/17/2017	0.0123			0.0113		0.0219
5/18/2017					0.0181	
7/19/2017					0.018	
9/15/2017	0.0127	0.0231	0.0078 (J)			0.0209
9/19/2017				0.0114	0.0271	
3/12/2018	0.014	0.023	0.006 (J)			
3/13/2018				0.011	0.017	0.02
9/6/2018	0.013	0.024	0.0058 (J)	0.011		0.024
9/7/2018					0.022	
3/6/2019	0.018		0.0052 (J)			
3/7/2019		0.018		0.011		0.025

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					0.015	
9/4/2019	0.014	0.026	0.005 (J)	0.0115 (D)	0.018	0.02
3/2/2020	0.019	0.024	0.005 (J)	0.012		0.023
3/3/2020					0.017	
9/3/2020	0.014		0.0045 (J)	0.011		0.017
9/9/2020					0.017	
9/14/2020		0.03				
2/24/2021	0.016		0.0044 (J)	0.013		0.025
2/25/2021					0.018	
3/26/2021		0.02				
7/27/2021		0.043				0.026
7/28/2021			0.0052	0.013	0.019	
8/6/2021	0.01					
1/25/2022				0.012		0.023
1/26/2022		0.035	0.0046 (J)		0.034	
8/5/2022				0.012		0.019
8/8/2022		0.038	0.0035 (J)			
8/9/2022					0.015	
2/8/2023		0.038	0.0039 (J)	0.013		

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		0.014				
5/9/2015	0.044		0.054	0.022	0.042	0.018
5/17/2015		0.015				
5/18/2015	0.04		0.058	0.031	0.063	
5/19/2015						0.02
5/25/2015	0.036	0.014	0.051			
5/26/2015				0.028	0.057	0.02
6/8/2015	0.028	0.014				
6/9/2015			0.034	0.031	0.07	0.02
6/17/2015	0.026		0.032	0.029	0.065	0.019
6/18/2015		0.013				
6/24/2015	0.021	0.014				
6/25/2015			0.032	0.024	0.068	0.019
6/30/2015	0.018	0.014				
7/1/2015			0.029	0.026	0.069	0.018
7/6/2015	0.018	0.013				
7/7/2015			0.029	0.027	0.071	0.019
8/12/2015	<0.02	0.015 (J)	<0.02	<0.02	<0.02	<0.02
3/2/2016	0.017	0.015	0.0297	0.0276		
3/3/2016					0.0424	0.0259
5/3/2016	0.016	0.0144		0.0291	0.0477	
5/4/2016			0.0299			
5/9/2016						0.0236
7/8/2016	0.0156		0.0294			
7/11/2016		0.0145		0.0225	0.0506	0.0295
9/7/2016		0.014				
9/8/2016	0.0144		0.0275			
9/9/2016				0.018	0.0478	0.0259
10/26/2016	0.0128		0.0263	0.0177		0.0231
10/27/2016		0.0142			0.0472	
1/6/2017		0.0139				
1/9/2017	0.0134		0.0263	0.0183	0.0507	0.0273
3/15/2017			0.0262			0.0286
3/16/2017	0.0129	0.0145		0.0175	0.0497	
5/18/2017			0.0276	0.0203	0.0466	0.0253
5/19/2017	0.0141	0.0161				
9/15/2017			0.0281	0.0197		0.0247
9/18/2017					0.0436	
9/19/2017	0.0127	0.0153				
3/12/2018				0.023	0.041	
3/13/2018	0.013	0.015	0.034			0.031
9/6/2018			0.04			
9/7/2018				0.025	0.039	0.034
9/11/2018	0.013	0.015				
3/7/2019			0.039		0.033	0.042
3/8/2019	0.012			0.027		
3/12/2019		0.016				
9/4/2019						0.033
9/5/2019	0.013	0.014	0.034	0.024	0.032	
3/3/2020			0.031	0.023		
3/4/2020	0.013	0.015			0.029	0.039
9/4/2020				0.022	0.032	0.033

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/8/2020	0.012	0.013	0.035			
2/25/2021			0.034	0.028	0.034	0.032
2/26/2021	0.013	0.015				
7/27/2021			0.028			
7/28/2021				0.027	0.03	0.035
7/29/2021	0.013	0.015				
1/25/2022			0.031			
1/26/2022	0.013	0.014		0.026		0.032
1/27/2022					0.032	
8/5/2022			0.03			0.033
8/8/2022	0.011	0.013		0.026	0.027	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.069					
9/17/2014		0.019	0.035	0.015	0.018	
9/18/2014						0.031
10/4/2014	0.057	0.02	0.038	<0.0013	0.017	
10/5/2014						0.032
10/21/2014	0.056	0.02	0.034	0.027 (o)	0.017	
10/22/2014						0.03
11/5/2014			0.04		0.017	0.031
11/11/2014	0.05	0.021		0.028 (o)		
3/3/2015	0.045	0.02	0.033	0.034 (o)	0.016	
3/4/2015						0.026
3/18/2015	0.044	0.019	0.031	0.014		
3/19/2015					0.015	0.028
4/6/2015	0.045	0.02				
4/7/2015			0.038	0.017	0.017	0.031
4/23/2015	0.041	0.019	0.031	0.013		
4/24/2015					0.015	0.027
7/29/2015	0.043	0.02	0.045	0.013	0.016	
7/30/2015						0.032
3/3/2016	0.0806					
3/4/2016		0.0262 (Jo)				
3/7/2016			<3 (o)	0.0129	<3 (o)	
3/8/2016						0.0298
5/5/2016			0.0278	0.0149		
5/9/2016					0.0162	0.0304
5/10/2016	0.0495	0.0204				
7/13/2016	0.0374		0.0255	0.0132		
7/14/2016		0.0198			0.0142	0.0307
9/12/2016				0.0142	0.0154	0.0331
9/13/2016			0.0251			
9/14/2016		0.0183				
9/15/2016	0.0542					
10/31/2016			0.0277		0.015	0.0321
11/1/2016		0.0209		0.0127		
11/2/2016	0.0561					
1/11/2017	0.0401	0.0194		0.0146	0.0148	
1/12/2017			0.0258			0.0291
3/20/2017	0.0383			0.0147		
3/21/2017		0.0201			0.0159	
3/22/2017						0.025
3/23/2017			0.0254			
5/22/2017				0.0146	0.0155	0.0276
5/23/2017	0.0376	0.0199	0.0247			
9/19/2017						0.034
9/20/2017					0.0164	
9/21/2017	0.0418			0.0152		
9/22/2017		0.0195				
9/25/2017			0.0228			
3/14/2018	0.036	0.02	0.025	0.014	0.016	0.03
9/7/2018	0.047			0.015		
9/10/2018					0.016	0.028
9/11/2018		0.019	0.019			

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.044					
3/12/2019		0.021	0.014	0.014	0.016	0.03
9/6/2019				0.014		0.0275 (D)
9/9/2019	0.03		0.028		0.015	
9/10/2019		0.019				
3/4/2020	0.045				0.017	
3/5/2020		0.018		0.015		0.028
3/6/2020			0.015			
9/4/2020						0.033
9/9/2020	0.051	0.018	0.016	0.014	0.014	
2/26/2021			0.017	0.015	0.016	
3/9/2021	0.058					0.027
3/10/2021		0.019				
7/29/2021			0.016	0.015		
7/30/2021	0.045	0.019				
8/2/2021						0.03
8/5/2021					0.017	
1/27/2022				0.014	0.016	0.028
1/28/2022	0.049	0.018	0.044			
8/9/2022					0.014	0.029
8/10/2022			0.013	0.014		
8/11/2022	0.034	0.017				
2/9/2023			0.016	0.015	0.015	
2/10/2023	0.053	0.018				0.031

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				0.019	0.015	
9/18/2014	0.023	0.057	0.042			
10/4/2014				0.019	0.015	
10/5/2014	0.025	0.052	0.038			
10/22/2014	0.025	0.052	0.029			
10/23/2014				0.019	0.015	
11/5/2014	0.025	<0.0013	0.031			
11/10/2014				0.019	0.015	
3/4/2015	0.024	0.046	0.03	0.021	0.016	
3/19/2015	0.024	0.045				
3/20/2015			0.027	0.02	0.015	
4/8/2015	0.027	0.045	0.032	0.023		
4/9/2015					0.016	
4/23/2015			0.026	0.02	0.015	
4/24/2015	0.025	0.039				
7/30/2015	0.025	0.039	0.029	0.021	0.015	
3/4/2016				0.0422 (o)		
3/7/2016		0.026				
3/8/2016	0.0377				0.0161	
3/9/2016			0.0284 (J)			
5/4/2016					0.0167	
5/5/2016		0.0374		0.0249		
5/6/2016			0.0233			
5/9/2016	0.0347					
7/12/2016				0.0246		
7/14/2016		0.0271				
7/15/2016	0.0259		0.0208			
7/18/2016					0.0162	
9/9/2016	0.0242					
9/12/2016		0.045				
9/13/2016				0.0236	0.0161	
9/14/2016			0.0198			
10/27/2016	0.0227	0.0359		0.0229	0.016	
11/1/2016			0.0207			
1/12/2017	0.0253					
1/13/2017		0.0338		0.0292	0.015	
1/25/2017			0.0195			
3/16/2017					0.0163	
3/20/2017		0.033		0.029		
3/21/2017	0.0292					
3/22/2017			0.0211			
5/19/2017				0.0295	0.0164	
5/23/2017	0.0282	0.0287				
5/24/2017			0.0217			
9/19/2017	0.0276	0.0389		0.0248	0.0147	
9/21/2017			0.0226			
3/13/2018		0.028		0.031	0.015	
3/14/2018	0.024		0.024			
9/7/2018		0.055				
9/10/2018	0.016					
9/11/2018			0.023	0.024	0.015	
3/8/2019				0.02	0.017	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.015	0.048				
3/12/2019			0.022			
9/5/2019		0.045		0.021 (D)	0.016	
9/6/2019	0.041		0.021			
3/3/2020	0.022	0.044		0.02	0.015	
3/5/2020			0.022			
9/4/2020					0.016	
9/8/2020	0.015	0.054				
9/9/2020			0.036	0.024		
3/9/2021	0.014	0.045		0.021	0.016	
3/10/2021			0.026			
7/29/2021				0.014		
7/30/2021			0.028			
8/2/2021	0.024	0.034			0.018	
1/27/2022		0.06			0.017	
1/28/2022	0.037		0.036	0.025		
8/8/2022						0.037
8/9/2022				0.015	0.015	
8/10/2022	0.03	0.042				
8/11/2022			0.034			
2/8/2023						0.041
2/9/2023	0.031	0.04		0.018	0.016	
2/10/2023			0.038			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.00011 (J)	0.0032				
9/16/2014			<0.003	<0.003		
10/3/2014	<0.003	<0.003	<0.003	8.3E-05 (J)		
10/20/2014	<0.003	0.0014	<0.003	7.8E-05 (J)		
11/10/2014	<0.003	<0.003	<0.003	8E-05 (J)		
3/2/2015	<0.003	<0.003	<0.003	0.00034 (J)		
3/17/2015	0.0001 (J)	8.3E-05 (J)	<0.003	0.00014 (J)		
4/5/2015	0.00012 (J)	0.00038 (J)	<0.003			
4/6/2015				<0.003		
4/21/2015	0.00033 (J)	0.0011 (J)				
4/22/2015			8.3E-05 (J)	7.8E-05 (J)		
5/8/2015					<0.003	<0.003
5/17/2015					0.00022 (J)	<0.003
5/25/2015					<0.003	<0.003
6/8/2015					<0.003	<0.003
6/18/2015					<0.003	<0.003
6/24/2015					<0.003	<0.003
6/30/2015					<0.003	<0.003
7/6/2015					<0.003	<0.003
7/28/2015	0.00014 (J)	0.00092 (J)	<0.003	<0.003		
8/12/2015					<0.003	<0.003
2/29/2016						<0.003
3/1/2016	<0.003	<0.003	<0.003			
3/2/2016				<0.003		
5/2/2016	<0.003	<0.003				
5/3/2016			<0.003	<0.003		
5/4/2016					<0.003	<0.003
7/6/2016		0.0002 (J)				
7/7/2016	0.0001 (J)			<0.003	<0.003	
7/8/2016			<0.003			<0.003
9/7/2016	0.0001 (J)	<0.003	<0.003			
9/8/2016				<0.003	<0.003	<0.003
10/25/2016	<0.003	<0.003	<0.003	<0.003		
10/26/2016					<0.003	<0.003
1/5/2017	0.0001 (J)	0.0001 (J)				
1/6/2017			<0.003		<0.003	<0.003
2/9/2017				<0.003		
3/14/2017		0.0001 (J)	<0.003			
3/15/2017	0.0002 (J)				<0.003	<0.003
3/23/2017				<0.003		
5/16/2017		<0.003	<0.003			
5/17/2017	0.0002 (J)			<0.003		<0.003
5/18/2017				<0.003		
7/19/2017				<0.003		
9/15/2017	0.0002 (J)	<0.003	<0.003			<0.003
9/19/2017				<0.003	<0.003	
3/12/2018	0.00017 (J)	5.6E-05 (J)	<0.003			
3/13/2018				<0.003	<0.003	<0.003
9/6/2018	0.00015 (J)	<0.003	<0.003	<0.003		<0.003
9/7/2018				<0.003		
3/6/2019	0.00029 (J)		<0.003			
3/7/2019		6.8E-05 (J)		<0.003		<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.003	
9/4/2019	0.00016 (J)	<0.003	<0.003	<0.003	<0.003	<0.003
3/2/2020	0.00024 (J)	0.00015 (J)	<0.003	<0.003		<0.003
3/3/2020					<0.003	
9/3/2020	0.0002 (J)		<0.003	<0.003		<0.003
9/9/2020					<0.003	
9/14/2020		0.00012 (J)				
2/24/2021	0.00022 (J)		<0.003	<0.003		<0.003
2/25/2021					<0.003	
3/26/2021		0.00019 (J)				
7/27/2021		8.1E-05 (J)				9.7E-05 (J)
7/28/2021			<0.003	<0.003	<0.003	
8/6/2021	6.3E-05 (J)					
1/25/2022				<0.003		<0.003
1/26/2022		<0.003	<0.003		<0.003	
8/5/2022				<0.003		<0.003
8/8/2022		<0.003	<0.003			
8/9/2022					<0.003	
2/8/2023		<0.003	<0.003	<0.003		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.003				
5/9/2015	<0.003		<0.003	<0.003	<0.003	<0.003
5/17/2015		<0.003				
5/18/2015	<0.003		<0.003	<0.003	0.00011 (J)	
5/19/2015						<0.003
5/25/2015	<0.003	<0.003	<0.003			
5/26/2015				<0.003	<0.003	<0.003
6/8/2015	<0.003	<0.003				
6/9/2015			<0.003	<0.003	0.00025 (J)	<0.003
6/17/2015	<0.003		<0.003	<0.003	<0.003	<0.003
6/18/2015		<0.003				
6/24/2015	<0.003	<0.003				
6/25/2015			<0.003	<0.003	<0.003	<0.003
6/30/2015	<0.003	0.00014 (J)				
7/1/2015			<0.003	<0.003	0.00024 (J)	<0.003
7/6/2015	<0.003	<0.003				
7/7/2015			<0.003	0.00012 (J)	<0.003	<0.003
8/12/2015	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/2/2016	<0.003	<0.003	<0.003	<0.003		
3/3/2016					<0.003	<0.003
5/3/2016	<0.003	<0.003		<0.003	<0.003	
5/4/2016			<0.003			
5/9/2016						<0.003
7/8/2016	<0.003		<0.003			
7/11/2016		<0.003		<0.003	<0.003	0.0001 (J)
9/7/2016		<0.003				
9/8/2016	<0.003		<0.003			
9/9/2016				<0.003	<0.003	<0.003
10/26/2016	<0.003		<0.003	<0.003		<0.003
10/27/2016		<0.003			<0.003	
1/6/2017		<0.003				
1/9/2017	<0.003		<0.003	<0.003	<0.003	<0.003
3/15/2017			<0.003			<0.003
3/16/2017	<0.003	<0.003		<0.003	<0.003	
5/18/2017			<0.003	<0.003	<0.003	<0.003
5/19/2017	<0.003	<0.003				
9/15/2017			<0.003	<0.003		<0.003
9/18/2017					<0.003	
9/19/2017	<0.003	<0.003				
3/12/2018				<0.003	<0.003	
3/13/2018	<0.003	<0.003	<0.003			<0.003
9/6/2018			<0.003			
9/7/2018				<0.003	<0.003	<0.003
9/11/2018	<0.003	<0.003				
3/7/2019			<0.003		<0.003	<0.003
3/8/2019	5.7E-05 (J)			<0.003		
3/12/2019		<0.003				
9/4/2019						<0.003
9/5/2019	<0.003	<0.003	<0.003	<0.003	<0.003	
3/3/2020			<0.003	<0.003		
3/4/2020	<0.003	<0.003			<0.003	<0.003
9/4/2020				<0.003	<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/8/2020	5.5E-05 (J)	<0.003	<0.003			
2/25/2021			<0.003	<0.003	<0.003	<0.003
2/26/2021	5.1E-05 (J)	<0.003				
7/27/2021			<0.003			
7/28/2021				<0.003	<0.003	<0.003
7/29/2021	9E-05 (J)	<0.003				
1/25/2022			<0.003			
1/26/2022	7E-05 (J)	<0.003		<0.003		<0.003
1/27/2022					<0.003	
8/5/2022			<0.003			<0.003
8/8/2022	<0.003	<0.003		<0.003	<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.003					
9/17/2014		<0.003	<0.003	7.8E-05 (J)	<0.003	
9/18/2014						<0.003
10/4/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/5/2014						<0.003
10/21/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/22/2014						<0.003
11/5/2014			9E-05 (J)		<0.003	<0.003
11/11/2014	<0.003	<0.003		<0.003		
3/3/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/4/2015						<0.003
3/18/2015	<0.003	<0.003	<0.003	<0.003		
3/19/2015					<0.003	<0.003
4/6/2015	<0.003	<0.003				
4/7/2015			<0.003	<0.003	<0.003	<0.003
4/23/2015	<0.003	<0.003	7.8E-05 (J)	<0.003		
4/24/2015					<0.003	8.3E-05 (J)
7/29/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
7/30/2015						<0.003
3/3/2016	<0.003					
3/4/2016		<0.003				
3/7/2016			<0.003	<0.003	<0.003	
3/8/2016						<0.003
5/5/2016			<0.003	<0.003		
5/9/2016					<0.003	<0.003
5/10/2016	<0.003	<0.003				
7/13/2016	<0.003		<0.003	<0.003		
7/14/2016		<0.003			<0.003	<0.003
9/12/2016				<0.003	<0.003	<0.003
9/13/2016			<0.003			
9/14/2016		<0.003				
9/15/2016	<0.003					
10/31/2016			<0.003		<0.003	<0.003
11/1/2016		<0.003		<0.003		
11/2/2016	<0.003					
1/11/2017	<0.003	<0.003		<0.003	<0.003	
1/12/2017			<0.003			<0.003
3/20/2017	<0.003			<0.003		
3/21/2017		<0.003			<0.003	
3/22/2017						<0.003
3/23/2017			<0.003			
5/22/2017				<0.003	<0.003	<0.003
5/23/2017	<0.003	<0.003	<0.003			
9/19/2017						<0.003
9/20/2017					0.0001 (J)	
9/21/2017	<0.003			<0.003		
9/22/2017		<0.003				
9/25/2017			<0.003			
3/14/2018	<0.003	<0.003	<0.003	0.00011 (J)	6.5E-05 (J)	<0.003
9/7/2018	<0.003			<0.003		
9/10/2018					<0.003	<0.003
9/11/2018		<0.003	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.003					
3/12/2019		<0.003	<0.003	<0.003	<0.003	<0.003
9/6/2019				<0.003		<0.003
9/9/2019	<0.003		<0.003		<0.003	
9/10/2019		<0.003				
3/4/2020	<0.003				0.00013 (J)	
3/5/2020		<0.003		0.00013 (J)		<0.003
3/6/2020			<0.003			
9/4/2020						<0.003
9/9/2020	<0.003	<0.003	<0.003	0.0002 (J)	<0.003	
2/26/2021			<0.003	0.0002 (J)	<0.003	
3/9/2021	<0.003					<0.003
3/10/2021		<0.003				
7/29/2021			<0.003	0.00015 (J)		
7/30/2021	<0.003	<0.003				
8/2/2021						<0.003
8/5/2021					9.9E-05 (J)	
1/27/2022				5.5E-05 (J)	<0.003	<0.003
1/28/2022	<0.003	<0.003	<0.003			
8/9/2022					<0.003	<0.003
8/10/2022			<0.003	5.6E-05 (J)		
8/11/2022	<0.003	<0.003				
2/9/2023			<0.003	0.00015 (J)	<0.003	
2/10/2023	<0.003	<0.003				<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.003	<0.003	
9/18/2014	<0.003	<0.003	<0.003			
10/4/2014				<0.003	<0.003	
10/5/2014	<0.003	<0.003	<0.003			
10/22/2014	<0.003	<0.003	<0.003			
10/23/2014				<0.003	<0.003	
11/5/2014	<0.003	<0.003	<0.003			
11/10/2014				<0.003	<0.003	
3/4/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/19/2015	<0.003	<0.003				
3/20/2015			<0.003	<0.003	<0.003	
4/8/2015	<0.003	<0.003	<0.003	<0.003		
4/9/2015					<0.003	
4/23/2015			<0.003	<0.003	<0.003	
4/24/2015	<0.003	<0.003				
7/30/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/4/2016				<0.003		
3/7/2016		<0.003				
3/8/2016	<0.003				<0.003	
3/9/2016			<0.003			
5/4/2016					<0.003	
5/5/2016		<0.003		<0.003		
5/6/2016			<0.003			
5/9/2016	<0.003					
7/12/2016				<0.003		
7/14/2016		<0.003				
7/15/2016	<0.003		<0.003			
7/18/2016					<0.003	
9/9/2016	<0.003					
9/12/2016		<0.003				
9/13/2016				<0.003	<0.003	
9/14/2016			<0.003			
10/27/2016	<0.003	<0.003		<0.003	<0.003	
11/1/2016			<0.003			
1/12/2017	<0.003					
1/13/2017		<0.003		<0.003	<0.003	
1/25/2017			<0.003			
3/16/2017					<0.003	
3/20/2017		<0.003		<0.003		
3/21/2017	<0.003					
3/22/2017			<0.003			
5/19/2017				<0.003	<0.003	
5/23/2017	<0.003	<0.003				
5/24/2017			<0.003			
9/19/2017	<0.003	<0.003		<0.003	<0.003	
9/21/2017			<0.003			
3/13/2018		<0.003		<0.003	<0.003	
3/14/2018	<0.003		<0.003			
9/7/2018		<0.003				
9/10/2018	<0.003					
9/11/2018			<0.003	<0.003	<0.003	
3/8/2019				<0.003	<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.003	<0.003				
3/12/2019			<0.003			
9/5/2019		<0.003		<0.003	<0.003	
9/6/2019	<0.003		<0.003			
3/3/2020	<0.003	<0.003		<0.003	<0.003	
3/5/2020			<0.003			
9/4/2020					<0.003	
9/8/2020	<0.003	<0.003				
9/9/2020			<0.003	<0.003		
3/9/2021	<0.003	<0.003		<0.003	<0.003	
3/10/2021			<0.003			
7/29/2021				<0.003		
7/30/2021			<0.003			
8/2/2021	<0.003	<0.003			<0.003	
1/27/2022		<0.003			<0.003	
1/28/2022	<0.003		<0.003	<0.003		
8/8/2022						<0.003
8/9/2022				<0.003	<0.003	
8/10/2022	<0.003	<0.003				
8/11/2022			<0.003			
2/8/2023						7.7E-05 (J)
2/9/2023	<0.003	<0.003		<0.003	<0.003	
2/10/2023			<0.003			

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						<0.04
3/1/2016	<0.04	<0.04	<0.04			
3/2/2016				<0.04		
5/2/2016	<0.04	<0.04				
5/3/2016			<0.04	<0.04		
5/4/2016					<0.04	<0.04
7/6/2016		0.0059 (J)				
7/7/2016	0.0081 (J)			<0.04	0.0096 (J)	
7/8/2016			0.0067 (J)			0.009 (J)
9/7/2016	<0.04	<0.04	0.0084 (J)			
9/8/2016				<0.04	0.0137 (J)	<0.04
10/25/2016	0.0071 (J)	0.0077 (J)	0.0089 (J)	<0.04		
10/26/2016					0.0247 (J)	0.0077 (J)
1/5/2017	<0.04	0.0074 (J)				
1/6/2017			<0.04		0.0082 (J)	0.0084 (J)
2/9/2017				<0.04		
3/14/2017		0.0062 (J)	<0.04			
3/15/2017	<0.04				<0.04	<0.04
3/23/2017				<0.04		
5/16/2017		<0.04	<0.04			
5/17/2017	<0.04			<0.04		<0.04
5/18/2017					0.0076 (J)	
7/19/2017					0.0193 (J)	
9/15/2017	<0.04	<0.04	<0.04			<0.04
9/19/2017				<0.04	0.0132 (J)	
3/12/2018	<0.04	0.0082 (J)	0.004 (J)			
3/13/2018				<0.04	0.013 (J)	0.0084 (J)
9/6/2018	<0.04	<0.04	<0.04	<0.04		<0.04
9/7/2018					<0.04	
3/6/2019	<0.04		<0.04			
3/7/2019		0.0049 (J)		<0.04		<0.04
3/8/2019					0.0085 (J)	
9/4/2019	<0.04	<0.04	<0.04	<0.04	0.01 (J)	<0.04
3/2/2020	0.01 (J)	0.014 (J)	0.0052 (J)	<0.04		0.007 (J)
3/3/2020					0.0096 (J)	
9/3/2020	<0.04		<0.04	<0.04		<0.04
9/9/2020					0.0054 (J)	
9/14/2020		0.0065 (J)				
2/24/2021	0.0062 (J)		<0.04	<0.04		0.0099 (J)
2/25/2021					0.0052 (J)	
3/26/2021		0.019 (J)				
7/27/2021		0.013 (J)				0.021 (J)
7/28/2021			<0.04	<0.04	<0.04	
8/6/2021	<0.04					
1/25/2022				<0.04		<0.04
1/26/2022		0.012 (J)	<0.04		0.0088 (J)	
8/5/2022				0.009 (J)		<0.04
8/8/2022		0.018 (J)	<0.04			
8/9/2022					<0.04	
2/8/2023		0.023 (J)	<0.04	<0.04		

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	<0.04	<0.04	<0.04	<0.04		
3/3/2016					<0.04	<0.04
5/3/2016	<0.04	<0.04		<0.04	<0.04	
5/4/2016			<0.04			
5/9/2016						<0.04
7/8/2016	<0.04		0.0046 (J)			
7/11/2016		<0.04		0.0054 (J)	0.0047 (J)	0.0128 (J)
9/7/2016		<0.04				
9/8/2016	<0.04		0.0081 (J)			
9/9/2016				<0.04	<0.04	0.0158 (J)
10/26/2016	0.0095 (J)		0.0088 (J)	0.0144 (J)		0.0257 (J)
10/27/2016		0.0148 (J)			0.0108 (J)	
1/6/2017		<0.04				
1/9/2017	<0.04		<0.04	<0.04	<0.04	0.0219 (J)
3/15/2017			<0.04			0.0253 (J)
3/16/2017	<0.04	<0.04		<0.04	<0.04	
5/18/2017			<0.04	<0.04	<0.04	0.0249 (J)
5/19/2017	<0.04	<0.04				
9/15/2017			<0.04	<0.04		<0.04
9/18/2017					<0.04	
9/19/2017	<0.04	<0.04				
3/12/2018				0.0055 (J)	0.0041 (J)	
3/13/2018	<0.04	<0.04	0.0053 (J)			0.024 (J)
9/6/2018			<0.04			
9/7/2018				<0.04	<0.04	0.024 (J)
9/11/2018	<0.04	<0.04				
3/7/2019			<0.04		<0.04	0.02 (J)
3/8/2019	<0.04			0.0056 (J)		
3/12/2019		<0.04				
9/4/2019						0.015 (J)
9/5/2019	<0.04	<0.04	<0.04	<0.04	<0.04	
3/3/2020			0.0084 (J)	0.01 (J)		
3/4/2020	0.0064 (J)	<0.04			0.0063 (J)	0.022 (J)
9/4/2020				0.0053 (J)	<0.04	0.015 (J)
9/8/2020	0.0072 (J)	<0.04	<0.04			
2/25/2021			<0.04	0.0075 (J)	0.0055 (J)	0.017 (J)
2/26/2021	<0.04	<0.04				
7/27/2021			<0.04			
7/28/2021				<0.04	<0.04	0.016 (J)
7/29/2021	<0.04	<0.04				
1/25/2022			<0.04			
1/26/2022	<0.04	<0.04		<0.04		0.014 (J)
1/27/2022					<0.04	
8/5/2022			<0.04			0.015 (J)
8/8/2022	<0.04	<0.04		<0.04	<0.04	

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	<0.04					
3/4/2016		<0.04				
3/7/2016			<0.04	<0.04	<0.04	
3/8/2016						<0.04
5/5/2016			<0.04	<0.04		
5/9/2016					<0.04	<0.04
5/10/2016	<0.04	<0.04				
7/13/2016	0.0297 (J)		0.0047 (J)	0.0159 (J)		
7/14/2016		0.0069 (J)			0.0045 (J)	<0.04
9/12/2016				<0.04	<0.04	<0.04
9/13/2016			<0.04			
9/14/2016		<0.04				
9/15/2016	<0.04					
10/31/2016			0.0111 (J)		0.0086 (J)	0.007 (J)
11/1/2016		<0.04		<0.04		
11/2/2016	<0.04					
1/11/2017	<0.04	0.0078 (J)		<0.04	<0.04	
1/12/2017			<0.04			<0.04
3/20/2017	0.0092 (J)			<0.04		
3/21/2017		<0.04			<0.04	
3/22/2017						<0.04
3/23/2017			<0.04			
5/22/2017				0.0452	<0.04	<0.04
5/23/2017	<0.04	<0.04	<0.04			
9/19/2017						<0.04
9/20/2017					<0.04	
9/21/2017	<0.04			<0.04		
9/22/2017		<0.04				
9/25/2017			<0.04			
3/14/2018	0.0065 (J)	0.0051 (J)	<0.04	<0.04	0.0076 (J)	<0.04
9/7/2018	<0.04			<0.04		
9/10/2018					<0.04	<0.04
9/11/2018		<0.04	<0.04			
3/11/2019	0.013 (J)					
3/12/2019		0.0099 (J)	<0.04	<0.04	<0.04	0.0045 (J)
9/6/2019				<0.04		0.02365 (JD)
9/9/2019	<0.04		<0.04		<0.04	
9/10/2019		<0.04				
3/4/2020	0.027 (J)				<0.04	
3/5/2020		<0.04		<0.04		<0.04
3/6/2020			<0.04			
9/4/2020						<0.04
9/9/2020	0.012 (J)	<0.04	<0.04	<0.04	<0.04	
2/26/2021			<0.04	<0.04	<0.04	
3/9/2021	0.028 (J)					<0.04
3/10/2021		<0.04				
7/29/2021			<0.04	<0.04		
7/30/2021	0.017 (J)	<0.04				
8/2/2021						<0.04
8/5/2021					<0.04	
1/27/2022				<0.04	<0.04	<0.04
1/28/2022	0.021 (J)	<0.04	<0.04			

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					<0.04	<0.04
8/10/2022			<0.04	<0.04		
8/11/2022	0.013 (J)	<0.04				
2/9/2023			<0.04	<0.04	<0.04	
2/10/2023	0.02 (J)	<0.04				<0.04

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				<0.04		
3/7/2016		<0.04				
3/8/2016	<0.04				<0.04	
3/9/2016			<0.04			
5/4/2016					<0.04	
5/5/2016		<0.04		<0.04		
5/6/2016			0.0271 (J)			
5/9/2016	<0.04					
7/12/2016				0.005 (J)		
7/14/2016		0.0047 (J)				
7/15/2016	<0.04		0.0055 (J)			
7/18/2016					<0.04	
9/9/2016	<0.04					
9/12/2016		<0.04				
9/13/2016				<0.04	<0.04	
9/14/2016			0.0094 (J)			
10/27/2016	0.0103 (J)	0.0153 (J)		0.0093 (J)	0.0162 (J)	
11/1/2016			0.008 (J)			
1/12/2017	<0.04					
1/13/2017		<0.04		<0.04	<0.04	
1/25/2017			<0.04			
3/16/2017					<0.04	
3/20/2017		<0.04		<0.04		
3/21/2017	<0.04					
3/22/2017			<0.04			
5/19/2017				<0.04	<0.04	
5/23/2017	<0.04	<0.04				
5/24/2017			0.0133 (J)			
9/19/2017	<0.04	<0.04		<0.04	<0.04	
9/21/2017			<0.04			
3/13/2018		<0.04		0.0042 (J)	<0.04	
3/14/2018	0.0053 (J)		0.0056 (J)			
9/7/2018		<0.04				
9/10/2018	<0.04					
9/11/2018			<0.04	<0.04	<0.04	
3/8/2019				<0.04	<0.04	
3/11/2019	0.005 (J)	<0.04				
3/12/2019			0.0047 (J)			
9/5/2019		<0.04		<0.04	<0.04	
9/6/2019	<0.04		<0.04			
3/3/2020	0.0096 (J)	0.0066 (J)		<0.04	<0.04	
3/5/2020			<0.04			
9/4/2020					<0.04	
9/8/2020	0.014 (J)	0.0084 (J)				
9/9/2020			<0.04	<0.04		
3/9/2021	0.015 (J)	0.0058 (J)		<0.04	<0.04	
3/10/2021			<0.04			
7/29/2021				<0.04		
7/30/2021			<0.04			
8/2/2021	0.017 (J)	<0.04			<0.04	
1/27/2022		<0.04			<0.04	
1/28/2022	0.011 (J)		<0.04	<0.04		

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						0.023 (J)
8/9/2022				<0.04	<0.04	
8/10/2022	<0.04	<0.04				
8/11/2022			<0.04			
2/8/2023						0.028 (J)
2/9/2023	0.012 (J)	<0.04		<0.04	<0.04	
2/10/2023			<0.04			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.00035 (J)	0.001 (J)				
9/16/2014			<0.0005	<0.0005		
10/3/2014	<0.0013	<0.0005	<0.0005	<0.0005		
10/20/2014	<0.0013	0.00036 (J)	<0.0005	<0.0005		
11/10/2014	0.00033 (J)	<0.0005	0.00026 (J)	<0.0005		
3/2/2015	<0.0013	<0.0005	<0.0005	0.00035 (J)		
3/17/2015	0.00057 (J)	<0.0005	<0.0005	<0.0005		
4/5/2015	0.00068 (J)	<0.0005	<0.0005			
4/6/2015				<0.0005		
4/21/2015	0.0011 (J)	0.00044 (J)				
4/22/2015			<0.0005	<0.0005		
5/8/2015					<0.0005	<0.0005
5/17/2015					0.00029 (J)	<0.0005
5/25/2015					<0.0005	<0.0005
6/8/2015					<0.0005	<0.0005
6/18/2015					<0.0005	<0.0005
6/24/2015					<0.0005	<0.0005
6/30/2015					<0.0005	<0.0005
7/6/2015					<0.0005	<0.0005
7/28/2015	0.00073 (J)	0.00027 (J)	<0.0005	<0.0005		
8/12/2015					<0.0005	<0.0005
2/29/2016						<0.0005
3/1/2016	0.00103	0.000207 (J)	0.000103 (J)			
3/2/2016				0.000109 (J)		
5/2/2016	0.000846 (J)	0.000154 (J)				
5/3/2016			<0.0005	<0.0005		
5/4/2016					<0.0005	<0.0005
7/6/2016		0.0002 (J)				
7/7/2016	0.0007 (J)			<0.0005	<0.0005	
7/8/2016			<0.0005			<0.0005
9/7/2016	0.0007 (J)	0.0002 (J)	<0.0005			
9/8/2016				0.0001 (J)	<0.0005	<0.0005
10/25/2016	0.0007 (J)	0.0002 (J)	<0.0005	<0.0005		
10/26/2016					<0.0005	<0.0005
1/5/2017	0.0008 (J)	<0.0005				
1/6/2017			<0.0005		<0.0005	<0.0005
2/9/2017				0.0001 (J)		
3/14/2017		<0.0005	<0.0005			
3/15/2017	0.0013				0.00055 (JD)	<0.0005
3/23/2017				0.0001 (J)		
5/16/2017		0.0001 (J)	<0.0005			
5/17/2017	0.001			0.0001 (J)		<0.0005
5/18/2017					<0.0005 (D)	
7/19/2017					<0.0005 (D)	
9/15/2017	0.0011	<0.0005	<0.0005			<0.0005
9/19/2017				<0.0005	<0.0005 (D)	
3/12/2018	0.0011	0.00013 (J)	<0.0005			
3/13/2018				<0.0005	<0.0005	<0.0005
9/6/2018	0.00086 (J)	0.00011 (J)	<0.0005	<0.0005		<0.0005
9/7/2018					<0.0005	
3/6/2019	0.0013		9.3E-05 (J)			
3/7/2019		0.00017 (J)		<0.0005		<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.0005	
9/4/2019	0.00088 (J)	0.00016 (J)	<0.0005	<0.0005	<0.0005	<0.0005
3/2/2020	0.0012 (J)	0.00018 (J)	<0.0005	<0.0005		<0.0005
3/3/2020					<0.0005	
9/3/2020	0.00089 (J)		<0.0005	<0.0005		<0.0005
9/9/2020					<0.0005	
9/14/2020		0.00016 (J)				
2/24/2021	0.0012		<0.0005	<0.0005		<0.0005
2/25/2021					<0.0005	
3/26/2021		0.00015 (J)				
7/27/2021		0.00014 (J)				<0.0005
7/28/2021			0.00025 (J)	<0.0005	<0.0005	
8/6/2021	0.00055					
1/25/2022				<0.0005		<0.0005
1/26/2022		<0.0005	<0.0005		<0.0005	
8/5/2022				<0.0005		<0.0005
8/8/2022		0.00016 (J)	0.00032 (J)			
8/9/2022					<0.0005	
2/8/2023		<0.0005	<0.0005	<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.0005				
5/9/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
5/17/2015		<0.0005				
5/18/2015	<0.0005		<0.0005	<0.0005	<0.0005	
5/19/2015						<0.0005
5/25/2015	<0.0005	<0.0005	<0.0005			
5/26/2015				<0.0005	<0.0005	<0.0005
6/8/2015	<0.0005	<0.0005				
6/9/2015			<0.0005	<0.0005	<0.0005	<0.0005
6/17/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
6/18/2015		<0.0005				
6/24/2015	<0.0005	<0.0005				
6/25/2015			<0.0005	<0.0005	<0.0005	<0.0005
6/30/2015	<0.0005	<0.0005				
7/1/2015			<0.0005	<0.0005	<0.0005	<0.0005
7/6/2015	<0.0005	<0.0005				
7/7/2015			<0.0005	<0.0005	<0.0005	<0.0005
8/12/2015	<0.0005	<0.0005	<0.0005			
8/13/2015				<0.0005	<0.0005	<0.0005
3/2/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0005	<0.0005
5/3/2016	<0.0005	<0.0005		<0.0005	<0.0005	
5/4/2016			<0.0005			
5/9/2016						<0.0005
7/8/2016	<0.0005		<0.0005			
7/11/2016		<0.0005		<0.0005	<0.0005	<0.0005
9/7/2016		<0.0005				
9/8/2016	<0.0005		<0.0005			
9/9/2016				<0.0005	<0.0005	<0.0005
10/26/2016	<0.0005		<0.0005	<0.0005		<0.0005
10/27/2016		<0.0005			<0.0005	
1/6/2017		<0.0005				
1/9/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
3/15/2017			<0.0005			<0.0005
3/16/2017	<0.0005	<0.0005		<0.0005	<0.0005	
5/18/2017			<0.0005	<0.0005	<0.0005	<0.0005
5/19/2017	<0.0005	<0.0005				
9/15/2017			<0.0005	<0.0005		<0.0005
9/18/2017					<0.0005	
9/19/2017	<0.0005	<0.0005				
3/12/2018				<0.0005	<0.0005	
3/13/2018	<0.0005	<0.0005	<0.0005			<0.0005
9/6/2018			<0.0005			
9/7/2018				<0.0005	<0.0005	<0.0005
9/11/2018	<0.0005	<0.0005				
3/7/2019			<0.0005		<0.0005	<0.0005
3/8/2019	<0.0005			<0.0005		
3/12/2019		<0.0005				
9/4/2019						<0.0005
9/5/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/3/2020			<0.0005	<0.0005		
3/4/2020	<0.0005	<0.0005			<0.0005	<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.0005	<0.0005	<0.0005
9/8/2020	<0.0005	<0.0005	<0.0005			
2/25/2021			<0.0005	<0.0005	<0.0005	<0.0005
2/26/2021	<0.0005	<0.0005				
7/27/2021			<0.0005			
7/28/2021				<0.0005	<0.0005	<0.0005
7/29/2021	<0.0005	<0.0005				
1/25/2022			<0.0005			
1/26/2022	<0.0005	<0.0005		<0.0005		<0.0005
1/27/2022					<0.0005	
8/5/2022			<0.0005			<0.0005
8/8/2022	0.0004 (J)	0.00022 (J)		<0.0005	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.0005					
9/17/2014		<0.0005	<0.0005	<0.0005	<0.0005	
9/18/2014						<0.0005
10/4/2014	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/5/2014						<0.0005
10/21/2014	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/22/2014						<0.0005
11/5/2014			<0.0005		<0.0005	<0.0005
11/11/2014	<0.0005	<0.0005		<0.0005		
3/3/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/4/2015						<0.0005
3/18/2015	<0.0005	<0.0005	<0.0005	<0.0005		
3/19/2015					<0.0005	<0.0005
4/6/2015	<0.0005	<0.0005				
4/7/2015			<0.0005	<0.0005	<0.0005	<0.0005
4/23/2015	<0.0005	<0.0005	<0.0005	<0.0005		
4/24/2015					<0.0005	<0.0005
7/29/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
7/30/2015						<0.0005
3/3/2016	<0.0005					
3/4/2016		<0.0005				
3/7/2016			<0.0005	<0.0005	<0.0005	
3/8/2016						<0.0005
5/5/2016			<0.0005	<0.0005		
5/9/2016					<0.0005	<0.0005
5/10/2016	<0.0005	<0.0005				
7/13/2016	<0.0005		<0.0005	<0.0005		
7/14/2016		<0.0005			<0.0005	<0.0005
9/12/2016				<0.0005	<0.0005	<0.0005
9/13/2016			<0.0005			
9/14/2016		<0.0005				
9/15/2016	<0.0005					
10/31/2016			8E-05 (J)		<0.0005	<0.0005
11/1/2016		<0.0005		<0.0005		
11/2/2016	<0.0005					
1/11/2017	<0.0005	<0.0005		<0.0005	<0.0005	
1/12/2017			<0.0005			<0.0005
3/20/2017	<0.0005			<0.0005		
3/21/2017		<0.0005			<0.0005	
3/22/2017						<0.0005
3/23/2017			<0.0005			
5/22/2017				<0.0005	<0.0005	<0.0005
5/23/2017	<0.0005	<0.0005	<0.0005			
9/19/2017						<0.0005
9/20/2017					<0.0005	
9/21/2017	<0.0005			<0.0005		
9/22/2017		<0.0005				
9/25/2017			<0.0005			
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/7/2018	<0.0005			<0.0005		
9/10/2018					<0.0005	<0.0005
9/11/2018		<0.0005	<0.0005			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.0005					
3/12/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/6/2019				<0.0005		<0.0005
9/9/2019	<0.0005		<0.0005		<0.0005	
9/10/2019		<0.0005				
3/4/2020	<0.0005				<0.0005	
3/5/2020		<0.0005		<0.0005		<0.0005
3/6/2020			<0.0005			
9/4/2020						<0.0005
9/9/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/26/2021			<0.0005	<0.0005	<0.0005	
3/9/2021	<0.0005					<0.0005
3/10/2021		<0.0005				
7/29/2021			<0.0005	<0.0005		
7/30/2021	<0.0005	<0.0005				
8/2/2021						<0.0005
8/5/2021					<0.0005	
1/27/2022				<0.0005	<0.0005	<0.0005
1/28/2022	<0.0005	<0.0005	<0.0005			
8/9/2022					<0.0005	<0.0005
8/10/2022			<0.0005	<0.0005		
8/11/2022	<0.0005	<0.0005				
2/9/2023			<0.0005	<0.0005	<0.0005	
2/10/2023	<0.0005	<0.0005				<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.0005	<0.0005	
9/18/2014	<0.0005	<0.0005	<0.0005			
10/4/2014				<0.0005	<0.0005	
10/5/2014	<0.0005	<0.0005	<0.0005			
10/22/2014	<0.0005	<0.0005	<0.0005			
10/23/2014				<0.0005	<0.0005	
11/5/2014	<0.0005	<0.0005	<0.0005			
11/10/2014				<0.0005	<0.0005	
3/4/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/19/2015	<0.0005	<0.0005				
3/20/2015			<0.0005	<0.0005	<0.0005	
4/8/2015	<0.0005	<0.0005	<0.0005	<0.0005		
4/9/2015					<0.0005	
4/23/2015			<0.0005	<0.0005	<0.0005	
4/24/2015	<0.0005	<0.0005				
7/30/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/4/2016				<0.0005		
3/7/2016		<0.0005				
3/8/2016	<0.0005				<0.0005	
3/9/2016			<0.0005			
5/4/2016					<0.0005	
5/5/2016		<0.0005		<0.0005		
5/6/2016			<0.0005			
5/9/2016	<0.0005					
7/12/2016				<0.0005		
7/14/2016		<0.0005				
7/15/2016	<0.0005		<0.0005			
7/18/2016					<0.0005	
9/9/2016	<0.0005					
9/12/2016		<0.0005				
9/13/2016				<0.0005	<0.0005	
9/14/2016			<0.0005			
10/27/2016	<0.0005	<0.0005		<0.0005	<0.0005	
11/1/2016			<0.0005			
1/12/2017	<0.0005					
1/13/2017		8E-05 (J)		<0.0005	0.0001 (J)	
1/25/2017			<0.0005			
3/16/2017					<0.0005	
3/20/2017		<0.0005		<0.0005		
3/21/2017	<0.0005					
3/22/2017			<0.0005			
5/19/2017				<0.0005	<0.0005	
5/23/2017	<0.0005	<0.0005				
5/24/2017			<0.0005			
9/19/2017	<0.0005	<0.0005		<0.0005	<0.0005	
9/21/2017			<0.0005			
3/13/2018		<0.0005		<0.0005	<0.0005	
3/14/2018	<0.0005		<0.0005			
9/7/2018		<0.0005				
9/10/2018	0.00021 (J)					
9/11/2018			<0.0005	<0.0005	<0.0005	
3/8/2019				<0.0005	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.0005	<0.0005				
3/12/2019			<0.0005			
9/5/2019		<0.0005		<0.0005	<0.0005	
9/6/2019	<0.0005		<0.0005			
3/3/2020	<0.0005	<0.0005		<0.0005	<0.0005	
3/5/2020			<0.0005			
9/4/2020					<0.0005	
9/8/2020	<0.0005	<0.0005				
9/9/2020			<0.0005	<0.0005		
3/9/2021	<0.0005	<0.0005		<0.0005	<0.0005	
3/10/2021			<0.0005			
7/29/2021				<0.0005		
7/30/2021			<0.0005			
8/2/2021	<0.0005	<0.0005			<0.0005	
1/27/2022		<0.0005			<0.0005	
1/28/2022	<0.0005		<0.0005	<0.0005		
8/8/2022						<0.0005
8/9/2022				<0.0005	<0.0005	
8/10/2022	<0.0005	<0.0005				
8/11/2022			<0.0005			
2/8/2023						<0.0005
2/9/2023	<0.0005	<0.0005		<0.0005	<0.0005	
2/10/2023			<0.0005			

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						30
3/1/2016	20	32	0.98			
3/2/2016				2		
5/2/2016	19.6	30				
5/3/2016			1.12	2.68		
5/4/2016					43.4	30
7/6/2016		29.2				
7/7/2016	19.3			2.21	40.1	
7/8/2016			1			30.1
9/7/2016	19.9	28.4	0.858			
9/8/2016				1.8	37.1	26.8
10/25/2016	19.3	30.8	0.859	1.15		
10/26/2016					38.8	26.9
1/5/2017	21	32.6				
1/6/2017			1		39.6	27.6
2/9/2017				0.495 (J)		
3/14/2017		29.1	0.844			
3/15/2017	13.4				36.1	26.2
3/23/2017				0.543		
5/16/2017		28.5	0.922			
5/17/2017	16.8			0.889		27.6
5/18/2017					40.1	
7/19/2017					46.9	
9/15/2017	13.9	29.1	0.85			27.7
9/19/2017				1.28	47.7	
3/12/2018	11.8 (J)	30.6	0.81			
3/13/2018				1.4	46.1	26.2
9/6/2018	13.5 (J)	26.1	0.79	1.6		27.9
9/7/2018					44.2	
3/6/2019	11.2 (J)		0.78			
3/7/2019		28		2.6		29.5
3/8/2019					46.6	
9/4/2019	13.3	27.9	0.76	1.65 (D)	40.7	28.1
3/2/2020	12.5	35.2	0.77 (J)	2.5		33.7
3/3/2020					47.6	
9/3/2020	15.7		0.73 (J)	1		28.9
9/9/2020					44.1	
9/14/2020		32.4				
2/24/2021	13.6		0.71 (J)	1.2		37.1
2/25/2021					49.8	
3/26/2021		30.1				
7/27/2021		35.7				36.8
7/28/2021			0.75 (J)	1.1	47.1	
8/6/2021	19.5					
1/25/2022				1.1		28.6
1/26/2022		41	0.7 (J)		50.5	
8/5/2022				1.3		29.2
8/8/2022		54.8	0.74 (J)			
8/9/2022					46.1	
2/8/2023		54.1	0.7 (J)	1.3		

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	29	29	27	38		
3/3/2016					36	36
5/3/2016	31.2	31		48.7	39.1	
5/4/2016			27.6			
5/9/2016						39
7/8/2016	30		25.7			
7/11/2016		28.2		34.8	31.6	35.7
9/7/2016		27.6				
9/8/2016	28.6		26.3			
9/9/2016				32.1	29.8	32
10/26/2016	25.5		24	32.9		28.5
10/27/2016		26.5			28.9	
1/6/2017		26				
1/9/2017	26.1		24.1	32.5	27.9	27.5
3/15/2017			24.1			24.8
3/16/2017	26.7	26.6		30.8	28.2	
5/18/2017			26.7	37.2	31.3	26.9
5/19/2017	29.2	30.9				
9/15/2017			25.1	38.5		19.6
9/18/2017					29.7	
9/19/2017	26.9	28.5				
3/12/2018				39.6	38.2	
3/13/2018	28.6	29.3	24.3 (J)			26
9/6/2018			25.6			
9/7/2018				45.2	40.3	25.1
9/11/2018	27.3	26.3				
3/7/2019			23.8 (J)		40.4	33.3
3/8/2019	25.9			45.2		
3/12/2019		28				
9/4/2019						31.6
9/5/2019	29.3	29	24.6	46.2	34.6	
3/3/2020			27.1	40.1		
3/4/2020	31.2	31.6			39.9	38
9/4/2020				47.2	34.4	34.5
9/8/2020	28.5	29.4	24.5			
2/25/2021			25.3	48.5	44.8	36
2/26/2021	29.6	31.1				
7/27/2021			24.3			
7/28/2021				48.8	44.9	35.1
7/29/2021	29.4	29.4				
1/25/2022			24.3			
1/26/2022	29.6	30.4		53.2		37.6
1/27/2022					44.4	
8/5/2022			23.8			38
8/8/2022	30.4	31.8		52.3	47	

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	52					
3/4/2016		69				
3/7/2016			16	30	30	
3/8/2016						40
5/5/2016			17.2	29.6		
5/9/2016					32.6	43.8
5/10/2016	57.6	72.9				
7/13/2016	49		12.3	27.8		
7/14/2016		58.2			25.6	36
9/12/2016				29.1	29.6	42.1
9/13/2016			17.8			
9/14/2016		62.2				
9/15/2016	55.4					
10/31/2016			6.22		26.5	43.4
11/1/2016		62.5		26.2		
11/2/2016	54.8					
1/11/2017	51.6	63.9		25.2	28.5	
1/12/2017			16.6			39.1
3/20/2017	52.5			29.9		
3/21/2017		63.8			29.1	
3/22/2017						37
3/23/2017			19.6			
5/22/2017				28.9	28.2	36.8
5/23/2017	58.7	62	21			
9/19/2017						37.7
9/20/2017					32.1	
9/21/2017	63.8			30.8		
9/22/2017		67.2				
9/25/2017			17			
3/14/2018	60.6	65.6	23.4 (J)	27.6	30.7	35.9
9/7/2018	62.4			29.5		
9/10/2018					30.7	31.6
9/11/2018		63.2	18.1 (J)			
3/11/2019	63.8					
3/12/2019		65.3	23.2 (J)	28.6	31.1	35.2
9/6/2019				27.5		32.35 (D)
9/9/2019	55.7		15.2		29.6	
9/10/2019		66.7				
3/4/2020	60.6				34	
3/5/2020		71.4		32		38.9
3/6/2020			23.5			
9/4/2020						40.2
9/9/2020	57.1	63.2	15.3	28.5	30.5	
2/26/2021			25.2	31.9	33.3	
3/9/2021	76.4					35.8
3/10/2021		67.1				
7/29/2021			22	30.5		
7/30/2021	65.5	64.4				
8/2/2021						34.7
8/5/2021					33	
1/27/2022				29.3	33.2	36.2
1/28/2022	68.5	64.7	19.1			

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					34.6	38.7
8/10/2022			18.9	33.6		
8/11/2022	71.6	70.8				
2/9/2023			26.2	31.2	33.7	
2/10/2023	84.6	69.6				38.4

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				32		
3/7/2016		32				
3/8/2016	63				34	
3/9/2016			55			
5/4/2016					36	
5/5/2016		32.2		34.6		
5/6/2016			62.4			
5/9/2016	50.8					
7/12/2016				29.6		
7/14/2016		26.8				
7/15/2016	48.2		49.5			
7/18/2016					31.7	
9/9/2016	56.9					
9/12/2016		31.1				
9/13/2016				31.1	32.5	
9/14/2016			54.4			
10/27/2016	57.9	29.2		32.8	30.9	
11/1/2016			52.8			
1/12/2017	60.5					
1/13/2017		30		34	31.2	
1/25/2017			57.2			
3/16/2017					29	
3/20/2017		32		33.4		
3/21/2017	63.7					
3/22/2017			58.1			
5/19/2017				33.2	33.9	
5/23/2017	60	27.5				
5/24/2017			64			
9/19/2017	58.9	30.3		29.5	31.3	
9/21/2017			61.1			
3/13/2018		32.1		30.8	33.3	
3/14/2018	65.6		59.9			
9/7/2018		32.7				
9/10/2018	61.7					
9/11/2018			60.2	29.1	30.9	
3/8/2019				28.8	33.1	
3/11/2019	67.1	33.9				
3/12/2019			61.6			
9/5/2019		31.8		29.6 (D)	34.6	
9/6/2019	57.8		55.9			
3/3/2020	70.2	37.2		33.3	37.6	
3/5/2020			63.7			
9/4/2020					36.6	
9/8/2020	61.9	34.7				
9/9/2020			57.6	31.5		
3/9/2021	64.1	35.7		33.2	36.4	
3/10/2021			62.2			
7/29/2021				32.6		
7/30/2021			58.7			
8/2/2021	59.3	34.1			35.4	
1/27/2022		36.9			34.4	
1/28/2022	60		64.9	34.4		

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						53.1
8/9/2022				33.8	37.1	
8/10/2022	67.7	36				
8/11/2022			67			
2/8/2023						51.6
2/9/2023	68.2	37		32.8	35.6	
2/10/2023			68.7			

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						2.9988
3/1/2016	2.4587	3.096	1.2389			
3/2/2016				2.4559		
5/2/2016	2.28	2.92				
5/3/2016			1.22	2.49		
5/4/2016					2.83	1.83
7/6/2016		3.2				
7/7/2016	2.4			2.5	3.1	
7/8/2016			1.2			2.2
9/7/2016	2.3	3.4	1			
9/8/2016				2.2	3	2.2
10/25/2016	2	3.4	1.2	2.5		
10/26/2016					3	2.2
1/5/2017	2.5 (J)	3.3				
1/6/2017			0.97		3.2	2.1
2/9/2017				2		
3/14/2017		2.9	1			
3/15/2017	2.1				2.8	2.3
3/23/2017				2.2		
5/16/2017		2.9	0.9			
5/17/2017	1.8			2.4		1.9
5/18/2017					3	
7/19/2017					4.1	
9/15/2017	2.1	2.7	1.1			2.1
9/19/2017				2.5	3.6	
3/12/2018	2.2	3.2	1.1			
3/13/2018				2.4	3.3	3
9/6/2018	2	2.7	1	2.7		1.9
9/7/2018					3.3	
3/6/2019	2.4		<1.1			
3/7/2019		2.8		2.9		3.6
3/8/2019					3.4	
9/4/2019	2	2.7	0.81 (J)	2.9	2.7	1.3
3/2/2020	2.1	2.4	0.78 (J)	2.5		4.9
3/3/2020					2.6	
9/3/2020	1.9		0.82 (J)	2.9		1.4
9/9/2020					2.6	
9/14/2020		2.9				
2/24/2021	2		0.84 (J)	3.1		3.3
2/25/2021					2.7	
3/26/2021		2.5				
7/27/2021		2.8				4.5
7/28/2021			0.88 (J)	3.3	2.8	
8/6/2021	1.9					
1/25/2022				3.2		1.5
1/26/2022		2.4	0.88 (J)		2.9	
8/5/2022				3.1		1
8/8/2022		2.6	0.64 (J)			
8/9/2022					2.4	
2/8/2023		3.1	1.1	3.5		

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	2.3976	2.556	1.4496	2.815		
3/3/2016					2.6912	8.0925
5/3/2016	2.54	2.59		3.27	2.7	
5/4/2016			1.42			
5/9/2016						2.99
7/8/2016	2.6		1.6			
7/11/2016		2.6		3.2	2.7	4.4
9/7/2016		2.6				
9/8/2016	2.5		1.2			
9/9/2016				3	2.5	5.6
10/26/2016	2.6		1.4	2.9		6.5
10/27/2016		3			3	
1/6/2017		2.5				
1/9/2017	2.5		1.5	2.9	3.1	6.7
3/15/2017			1.1			7.8
3/16/2017	2.4	2.5		2.9	2.7	
5/18/2017			1.3	2.9	3.2	7.1
5/19/2017	2.3	2.3				
9/15/2017			1.2	3.2		8.4
9/18/2017					3	
9/19/2017	2.3	2.4				
3/12/2018				3.6	3.2	
3/13/2018	2.7	2.6	0.93			6.9
9/6/2018			1.1			
9/7/2018				3.8	3.3	6.9
9/11/2018	2.4	2.4				
3/7/2019			<1.2		3.2	6
3/8/2019	2.7			3.4		
3/12/2019		3.3				
9/4/2019						4.8
9/5/2019	2.3	2.4	0.81 (J)	2.9	2.9	
3/3/2020			0.77 (J)	2.7		
3/4/2020	2.2	2.3			2.6	4.5
9/4/2020				3	2.5	4.1
9/8/2020	2.3	2.3	0.8 (J)			
2/25/2021			0.78 (J)	6.7	4.8	4.4
2/26/2021	2.3	2.4				
7/27/2021			1.4			
7/28/2021				6.9	5	5
7/29/2021	2.1	2.3				
1/25/2022			0.81 (J)			
1/26/2022	2.2	2.4		5.8		5.2
1/27/2022					4.5	
8/5/2022			0.96 (J)			5.4
8/8/2022	2	2.2		4.9	4	

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	1.3707 (D)					
3/4/2016		6.4905				
3/7/2016			2.0446	2.2698	2.3254	
3/8/2016						1.2699
5/5/2016			2.28	2.48		
5/9/2016					2.48	1.39
5/10/2016	1.41	7.1				
7/13/2016	1.7		2.2	2.5		
7/14/2016		6.4			2.5	1.7
9/12/2016				2.5	2.5	1.6
9/13/2016			2			
9/14/2016		6				
9/15/2016	1.9					
10/31/2016			2.3		3	1.9
11/1/2016		7		2.9		
11/2/2016	2.3					
1/11/2017	2	6		2.5	2.5	
1/12/2017			1.9			1.8
3/20/2017	2.2			2.2		
3/21/2017		6.1			2.3	
3/22/2017						2
3/23/2017			2.2			
5/22/2017				2.3	2.4	1.9
5/23/2017	2	6	2			
9/19/2017						1.9
9/20/2017					2.4	
9/21/2017	2.3			2.3		
9/22/2017		6.2				
9/25/2017			2.1			
3/14/2018	2.1	6.1	2.1	2.2	2.2	2
9/7/2018	2.1			2.3		
9/10/2018					2.1	1.6
9/11/2018		6.7	2.3			
3/11/2019	2.4					
3/12/2019		6.9	2.8	3.3	2.8	2.7
9/6/2019				2.3		1.6
9/9/2019	1.1		2		2.3	
9/10/2019		4.5				
3/4/2020	0.79 (J)				2.3	
3/5/2020		4.5		2.2		1.5
3/6/2020			2.2			
9/4/2020						1.5
9/9/2020	1 (J)	4.3	2.1	2.3	2.4	
2/26/2021			2.3	2.4	2.4	
3/9/2021	1.5					1.9
3/10/2021		4.7				
7/29/2021			2.1	2.2		
7/30/2021	1	4.3				
8/2/2021						1.8
8/5/2021					2.6	
1/27/2022				2.3	2.5	1.9
1/28/2022	1.6	4.6	2.1			

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					2.3	1.7
8/10/2022			2.3	2.6		
8/11/2022	1.4	4.7				
2/9/2023			2.5	2.6	2.7	
2/10/2023	1.8	4.7				2

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				2.7291		
3/7/2016		2.6729				
3/8/2016	4.2184				2.5307	
3/9/2016			1.5349			
5/4/2016					2.76	
5/5/2016		2.81		2.54		
5/6/2016			1.63			
5/9/2016	3.08					
7/12/2016				2.6		
7/14/2016		2.8				
7/15/2016	3.8		2			
7/18/2016					2.8	
9/9/2016	3.9					
9/12/2016		2.8				
9/13/2016				2.5	2.7	
9/14/2016			2			
10/27/2016	4.7	3.3		3.1	3.2	
11/1/2016			2.4			
1/12/2017	4.2					
1/13/2017		2.7		2.7	2.6	
1/25/2017			2.1			
3/16/2017					2.6	
3/20/2017		2.8		2.6		
3/21/2017	4.2					
3/22/2017			2.2			
5/19/2017				2.5	2.6	
5/23/2017	4.1	2.6				
5/24/2017			2			
9/19/2017	4.4	2.6		2.3	2.4	
9/21/2017			2.4			
3/13/2018		2.8		<0.25	2.7	
3/14/2018	4.4		2.2			
9/7/2018		2.7				
9/10/2018	3.9					
9/11/2018			2.4	2.3	2.4	
3/8/2019				2.6	2.8	
3/11/2019	4.2	3.2				
3/12/2019			2.4			
9/5/2019		2.7		2.2	2.5	
9/6/2019	3.5		1.4			
3/3/2020	3.9	2.5		2.1	2.4	
3/5/2020			1.3			
9/4/2020					2.5	
9/8/2020	4.1	2.6				
9/9/2020			2	2.5		
3/9/2021	5	2.4		2.1	2.3	
3/10/2021			1.6			
7/29/2021				2.2		
7/30/2021			1.4			
8/2/2021	5.6	2.4			2.3	
1/27/2022		2.5			2.4	
1/28/2022	4.6		1.7	2.2		

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						2.7
8/9/2022				2	2.2	
8/10/2022	4.1	2.7				
8/11/2022			2.1			
2/8/2023						3.5
2/9/2023	4.5	2.7		2.5	2.6	
2/10/2023			2			

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0028				
9/16/2014			0.0015	0.0026		
10/3/2014	<0.005	<0.005	0.0015	0.0021		
10/20/2014	<0.005	0.0029	0.0011 (J)	0.0023		
11/10/2014	<0.005	0.0017	<0.005	0.0022		
3/2/2015	<0.005	<0.005	<0.005	0.0021		
3/17/2015	<0.005	<0.005	<0.005	0.0022		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				0.0016		
4/21/2015	0.0011 (J)	0.0018				
4/22/2015			<0.005	0.0013		
5/8/2015					0.036 (o)	<0.005
5/17/2015					0.029 (o)	<0.005
5/25/2015					0.029 (o)	<0.005
6/8/2015					0.015	0.0013
6/18/2015					0.016	<0.005
6/24/2015					0.02	0.0013
6/30/2015					0.02	<0.005
7/6/2015					0.015	<0.005
7/28/2015	<0.005	0.0015	<0.005	0.0014		
8/12/2015					0.0139	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	0.00385 (J)	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					<0.005	<0.005
7/6/2016		0.0005 (J)				
7/7/2016	0.0004 (J)			0.002 (J)	0.0005 (J)	
7/8/2016			<0.005			0.0014 (J)
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				0.001 (J)	<0.005	<0.005
10/25/2016	<0.005	<0.005	<0.005	0.0028 (J)		
10/26/2016					<0.005	0.0011 (J)
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		<0.005	0.0011 (J)
2/9/2017				0.0012 (J)		
3/14/2017		0.0008 (J)	0.0006 (J)			
3/15/2017	0.0007 (J)				<0.005	0.0014 (J)
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	0.0004 (J)			0.0019 (J)		0.0011 (J)
5/18/2017				<0.005		
7/19/2017				<0.005		
9/15/2017	<0.005	<0.005	<0.005			0.001 (J)
9/19/2017				0.0022 (J)	<0.005	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.0017 (J)	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	0.0013 (J)	<0.005	0.00155 (JD)	<0.005	0.00096 (J)
3/2/2020	<0.005	0.00047 (J)	<0.005	0.0014 (J)		0.0011 (J)
3/3/2020					<0.005	
9/3/2020	<0.005		<0.005	0.0013 (J)		0.0011 (J)
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	0.0018 (J)		0.00097 (J)
2/25/2021					<0.005	
3/26/2021		0.0006 (J)				
7/27/2021		<0.005				<0.005
7/28/2021			0.018 (o)	0.0015 (J)	<0.005	
8/6/2021	<0.005					
1/25/2022				0.0014 (J)		0.0012 (J)
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				<0.005		0.0012 (J)
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	0.0012 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.01	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.01	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	0.0011 (J)			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.01	<0.005	0.0017	<0.005
6/17/2015	<0.005		0.0014	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			0.001 (J)	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.01	<0.005	0.0011 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			0.0011 (J)	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	0.0011 (J)			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.01	<0.005		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		<0.005	<0.005	
5/4/2016			<0.01			
5/9/2016						<0.005
7/8/2016	0.0007 (J)		0.0014 (J)			
7/11/2016		<0.005		0.0006 (J)	<0.005	0.0005 (J)
9/7/2016		<0.005				
9/8/2016	<0.005		0.0015 (J)			
9/9/2016				<0.005	<0.005	<0.005
10/26/2016	<0.005		0.0016 (J)	<0.005		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		0.0013 (J)	<0.005	<0.005	<0.005
3/15/2017			0.0019 (J)			<0.005
3/16/2017	0.001 (J)	0.0011 (J)		0.0008 (J)	0.0018 (J)	
5/18/2017			0.0012 (J)	0.001 (J)	<0.005	0.0011 (J)
5/19/2017	0.0006 (J)	0.0007 (J)				
9/15/2017			0.0012 (J)	0.0007 (J)		<0.005
9/18/2017					<0.005	
9/19/2017	0.0006 (J)	0.0006 (J)				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.01			<0.005
9/6/2018			<0.01			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.01		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						0.0014 (J)
9/5/2019	0.00065 (J)	0.00055 (J)	0.0016 (J)	0.00092 (J)	<0.005	
3/3/2020			0.0017 (J)	0.00085 (J)		
3/4/2020	0.00076 (J)	0.0012 (J)			0.00079 (J)	<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0012 (J)	<0.005	0.0012 (J)
9/8/2020	<0.005	<0.005	0.0014 (J)			
2/25/2021			0.0017 (J)	0.00078 (J)	0.00083 (J)	0.001 (J)
2/26/2021	0.0008 (J)	0.00071 (J)				
7/27/2021			0.0016 (J)			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			0.0013 (J)			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			0.0016 (J)			<0.005
8/8/2022	<0.005	<0.005		0.0011 (J)	<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0033					
9/17/2014		<0.005	<0.01	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0011 (J)	<0.005	0.0034	0.025 (o)	0.001 (J)	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.01	0.024 (o)	0.0011 (J)	
10/22/2014						<0.005
11/5/2014			0.0042		0.001 (J)	0.001 (J)
11/11/2014	<0.005	0.0014		0.025 (o)		
3/3/2015	<0.005	0.001 (J)	0.0038	0.029 (o)	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	0.0031	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			0.0037	0.008	<0.005	<0.005
4/23/2015	0.001 (J)	<0.005	0.0033	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	0.0033	<0.005	<0.005	
7/30/2015						0.001 (J)
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.01 (o)	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			0.00385 (J)	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	<0.005	<0.005				
7/13/2016	0.0008 (J)		0.0029 (J)	0.0006 (J)		
7/14/2016		0.0035 (J)			0.0005 (J)	0.0008 (J)
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			0.0029 (J)			
9/14/2016		<0.005				
9/15/2016	<0.005					
10/31/2016			0.0017 (J)		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	0.0012 (J)	<0.005		<0.005	<0.005	
1/12/2017			0.0025 (J)			0.0011 (J)
3/20/2017	0.0013 (J)			0.0005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.01 (o)			
5/22/2017				0.0005	0.0005 (J)	0.0007 (J)
5/23/2017	0.0007 (J)	0.0021 (J)	0.0029 (J)			
9/19/2017						0.0006 (J)
9/20/2017					0.0008 (J)	
9/21/2017	<0.005			0.0008		
9/22/2017		<0.005				
9/25/2017			0.0018 (J)			
3/14/2018	<0.005	<0.005	0.0021 (J)	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	0.0017 (J)			

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.01	<0.005	<0.005	<0.005
9/6/2019				0.00053 (J)		0.00071 (JD)
9/9/2019	<0.005		0.001 (J)		0.00056 (J)	
9/10/2019		<0.005				
3/4/2020	0.0014 (J)				0.001 (J)	
3/5/2020		0.00063 (J)		0.0007 (J)		0.00075 (J)
3/6/2020			0.0019 (J)			
9/4/2020						0.00078 (J)
9/9/2020	0.00056 (J)	<0.005	0.001 (J)	<0.005	<0.005	
2/26/2021			0.0014 (J)	0.00069 (J)	0.00067 (J)	
3/9/2021	0.0024 (J)					0.00094 (J)
3/10/2021		<0.005				
7/29/2021			0.0014 (J)	<0.005		
7/30/2021	0.0017 (J)	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				0.0015 (J)	<0.005	<0.005
1/28/2022	0.0011 (J)	<0.005	0.0014 (J)			
8/9/2022					<0.005	<0.005
8/10/2022			0.0014 (J)	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			0.0015 (J)	<0.005	<0.005	
2/10/2023	0.0011 (J)	<0.005				<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	0.001 (J)	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	0.0013	<0.005	<0.005			
10/22/2014	0.0016	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	0.0013	<0.005	0.0013			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	0.0012 (J)	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	0.001 (J)	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.005		<0.005		
5/6/2016			<0.005			
5/9/2016	<0.005					
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	<0.005		0.0005 (J)			
7/18/2016					0.0005 (J)	
9/9/2016	<0.005					
9/12/2016		<0.005				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.005		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	<0.005					
1/13/2017		<0.005		<0.005	<0.005	
1/25/2017			0.0023 (J)			
3/16/2017					0.0008 (J)	
3/20/2017		0.0004 (J)		<0.005		
3/21/2017	<0.005					
3/22/2017			<0.005			
5/19/2017				<0.005	0.0006 (J)	
5/23/2017	0.0004 (J)	0.0005 (J)				
5/24/2017			0.0011 (J)			
9/19/2017	0.0006 (J)	<0.005		<0.005	0.0007 (J)	
9/21/2017			0.0014 (J)			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		<0.005	0.00044 (J)	
9/6/2019	0.00078 (J)		<0.005			
3/3/2020	0.00058 (J)	0.00057 (J)		0.00052 (J)	0.00078 (J)	
3/5/2020			0.00086 (J)			
9/4/2020					0.00073 (J)	
9/8/2020	0.0013 (J)	<0.005				
9/9/2020			<0.005	<0.005		
3/9/2021	<0.005	<0.005		<0.005	0.00079 (J)	
3/10/2021			0.00073 (J)			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	<0.005	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		<0.005	<0.005		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	0.0023 (J)	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0017 (J)	<0.005		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0039				
9/16/2014			0.00077 (J)	0.0028		
10/3/2014	<0.005	<0.005	0.0013	0.0029		
10/20/2014	<0.005	0.0014	0.001 (J)	0.0022		
11/10/2014	<0.005	<0.005	<0.005	0.0022		
3/2/2015	<0.005	<0.005	<0.005			
3/17/2015	<0.005	<0.005	<0.005	0.0044 (o)		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				0.002		
4/21/2015	0.00055 (J)	0.0012 (J)				
4/22/2015			<0.005	0.0016		
5/8/2015					<0.005	<0.005
5/17/2015					0.00059 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	0.0012 (J)	<0.005	0.0017		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.00202 (J)			
3/2/2016				<0.01 (o)		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.01 (o)		
5/4/2016					<0.005	<0.005
7/6/2016		<0.005				
7/7/2016	<0.005			0.0015 (J)	<0.005	
7/8/2016			0.0004 (J)			<0.005
9/7/2016	<0.005	<0.005	0.0009 (J)			
9/8/2016				0.0018 (J)	<0.005	<0.005
10/25/2016	<0.005	<0.005	0.0022 (J)	0.0019 (J)		
10/26/2016					<0.005	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			0.0011 (J)		<0.005	<0.005
2/9/2017				0.0017 (J)		
3/14/2017		<0.005	0.0009 (J)			
3/15/2017	<0.005				<0.005	<0.005
3/23/2017				0.0018 (J)		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			0.0016 (J)		<0.005
5/18/2017					<0.005	
7/19/2017					<0.005	
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				0.0012 (J)	<0.005	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.0013 (J)	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	0.00094 (J)		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		0.00087 (J)		<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	0.000935 (JD)	<0.005	<0.005
3/2/2020	<0.005	<0.005	<0.005	0.0011 (J)		<0.005
3/3/2020					<0.005	
9/3/2020	<0.005		<0.005	0.00091 (J)		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	0.0011 (J)		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		0.00096 (J)				<0.005
7/28/2021			<0.005	0.001 (J)	<0.005	
8/6/2021	<0.005					
1/25/2022				0.0011 (J)		<0.005
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				0.00095 (J)		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	0.001 (J)		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		0.00057 (J)	<0.0025	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		0.00055 (J)	0.00071 (J)	0.001 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				0.00067 (J)	0.00052 (J)	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	0.001 (J)	0.00087 (J)	<0.005
6/17/2015	<0.005		<0.005	0.00093 (J)	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	0.00059 (J)	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	0.00059 (J)	0.0006 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	0.00091 (J)	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				0.0006 (J)	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	0.00715 (J)		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		0.00349 (J)	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		0.0007 (J)	0.001 (J)	<0.005
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.0025	0.0006 (J)	<0.005
10/26/2016	<0.005		<0.005	<0.0025		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.0025	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		0.0006 (J)	<0.005	
5/18/2017			<0.005	<0.0025	<0.005	<0.005
5/19/2017	<0.005	<0.005				
9/15/2017			<0.005	<0.0025		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				0.0034 (J)	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.0025	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			0.0044 (J)		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.0025	<0.005	
3/3/2020			<0.005	0.0048 (J)		
3/4/2020	<0.005	<0.005			<0.005	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0012 (J)	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	0.0039 (J)	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				0.006	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		0.0035 (J)		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		0.00084 (J)	<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0026					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0015	<0.005	<0.005	0.00063 (J)	<0.005	
10/5/2014						<0.005
10/21/2014	0.00099 (J)	<0.005	<0.005	0.00058 (J)	<0.005	
10/22/2014						<0.005
11/5/2014			0.0005 (J)		<0.005	<0.005
11/11/2014	0.00097 (J)	<0.005		0.00058 (J)		
3/3/2015	0.00078 (J)	<0.005	<0.005	0.00056 (J)	<0.005	
3/4/2015						<0.005
3/18/2015	0.00081 (J)	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0011 (J)	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	0.0007 (J)	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	0.00076 (J)	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.00451 (JD)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	0.00478 (J)	<0.005				
7/13/2016	0.0003 (J)		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	0.0018 (J)					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	0.0022 (J)					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	0.001 (J)	<0.005	<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	0.0006 (J)			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	0.00058 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	0.0034 (J)			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	0.00069 (J)	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.00047 (J)					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		
7/30/2021	0.00052 (J)	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	0.0006 (J)	
9/18/2014	<0.005	<0.01	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.01	<0.005			
10/22/2014	<0.005	<0.01	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.01	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.01	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.01				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.01	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.01				
7/30/2015	<0.005	<0.01	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.01				
3/8/2016	0.0183 (J)				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.01		<0.005		
5/6/2016			<0.005			
5/9/2016	0.00239 (J)					
7/12/2016				<0.005		
7/14/2016		<0.01				
7/15/2016	0.0008 (J)		<0.005			
7/18/2016					<0.005	
9/9/2016	<0.005					
9/12/2016		<0.01				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.01		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	<0.005					
1/13/2017		<0.01		<0.005	<0.005	
1/25/2017			<0.005			
3/16/2017					<0.005	
3/20/2017		<0.01		<0.005		
3/21/2017	0.0005 (J)					
3/22/2017			<0.005			
5/19/2017				<0.005	<0.005	
5/23/2017	<0.005	<0.01				
5/24/2017			<0.005			
9/19/2017	<0.005	0.0012 (J)		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		<0.01		<0.005	<0.005	
3/14/2018	0.00083 (J)		<0.005			
9/7/2018		<0.01				
9/10/2018	0.00071 (J)					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.00056 (J)	<0.01				
3/12/2019			<0.005			
9/5/2019		0.0012 (J)		<0.005	<0.005	
9/6/2019	0.00051 (J)		<0.005			
3/3/2020	<0.005	0.00078 (J)		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					0.0012 (J)	
9/8/2020	<0.005	0.00087 (J)				
9/9/2020			<0.005	<0.005		
3/9/2021	0.0004 (J)	0.00066 (J)		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	0.00048 (J)	0.00045 (J)			<0.005	
1/27/2022		0.0011 (J)			<0.005	
1/28/2022	<0.005		<0.005	<0.005		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	0.00078 (J)				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	<0.005	0.00043 (J)		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0049 (J)				
9/16/2014			0.018	<0.005		
10/3/2014	<0.005	<0.005	0.021	0.00089 (J)		
10/20/2014	<0.005	0.0024 (J)	0.022	0.00087 (J)		
11/10/2014	<0.005	<0.005	0.02	<0.005		
3/2/2015	<0.005	<0.005	0.015	0.004 (J)		
3/17/2015	<0.005	<0.005	0.016	0.0016 (J)		
4/5/2015	<0.005	<0.005	0.016			
4/6/2015				0.00083 (J)		
4/21/2015	0.00095 (J)	0.0017 (J)				
4/22/2015			0.013	0.00085 (J)		
5/8/2015					<0.005	<0.005
5/17/2015					0.0015 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					0.0012 (J)	0.00082 (J)
6/30/2015					0.00096 (J)	<0.005
7/6/2015					0.00091 (J)	<0.005
7/28/2015	<0.005	0.00097 (J)	0.02	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.0103 (J)			
3/2/2016				<0.005		
7/6/2016		<0.005				
7/7/2016	<0.005			<0.005	0.0066 (J)	
7/8/2016			0.0152 (J)			<0.005
3/14/2017		0.0003 (J)	0.0085 (J)			
3/15/2017	<0.005				<0.005	<0.005
3/23/2017				<0.005		
9/15/2017	<0.005	<0.005	0.0058 (J)			<0.005
9/19/2017				0.0004 (J)	<0.005	
3/12/2018	<0.005	<0.005	0.0053 (J)			
3/13/2018				<0.005	<0.005	<0.005
9/6/2018	<0.005	<0.005	0.0054 (J)	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.025			
3/7/2019		<0.005		<0.005		<0.005
3/8/2019					<0.005	
9/4/2019	0.00023 (J)	<0.005	0.0082 (J)	<0.005	<0.005	<0.005
3/2/2020	<0.005	0.00043 (J)	0.0068 (J)	0.00019 (J)		0.00024 (J)
3/3/2020					0.00041 (J)	
9/3/2020	<0.005		0.0067 (J)	<0.005		<0.005
9/9/2020					0.0019 (J)	
9/14/2020		<0.005				
2/24/2021	<0.005		0.0083	<0.005		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		<0.005				<0.005
7/28/2021			0.014	<0.005	<0.005	
8/6/2021	<0.005					
1/25/2022				<0.005		<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.005	0.013		<0.005	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	0.0087			
8/9/2022					<0.005	
2/8/2023		<0.005	0.011	<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	0.00093 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	0.0014 (J)	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	0.00093 (J)				
7/1/2015			<0.005	<0.005	0.0014 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	0.0011 (J)	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		<0.005	<0.005	
9/15/2017			0.0007 (J)	<0.005		0.002 (J)
9/18/2017					<0.005	
9/19/2017	0.0003 (J)	0.0003 (J)				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						0.00047 (J)
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			0.00025 (J)	<0.005		
3/4/2020	0.00053 (J)	<0.005			<0.005	0.0003 (J)
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0042 (J)					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0024 (J)	0.0012 (J)	<0.005	0.00086 (J)	<0.005	
10/5/2014						<0.005
10/21/2014	0.002 (J)	0.0011 (J)	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	0.0021 (J)	0.0015 (J)		<0.005		
3/3/2015	0.0017 (J)	0.0012 (J)	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	0.0019 (J)	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0014 (J)	0.00083 (J)				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	0.0022 (J)	0.0012 (J)	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	0.00098 (J)	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
7/13/2016	0.0022 (J)		<0.005	<0.005		
7/14/2016		0.0124 (J)			<0.005	<0.005
3/20/2017	0.002 (J)			<0.005		
3/21/2017		0.0005 (J)			0.0006 (J)	
3/22/2017						<0.005
3/23/2017			<0.005			
9/19/2017						0.0008 (J)
9/20/2017					0.0003 (J)	
9/21/2017	0.0018 (J)			0.0003 (J)		
9/22/2017		0.0007 (J)				
9/25/2017			<0.005			
3/14/2018	0.0017 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	0.00082 (J)		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	0.0024 (J)				0.00036 (J)	
3/5/2020		0.00023 (J)		<0.005		<0.005
3/6/2020			0.00023 (J)			
9/4/2020						<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.0025 (J)					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.0024 (J)	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	0.00088 (J)	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	0.0012 (J)	<0.005				<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	0.0016 (J)	<0.005	<0.005			
10/22/2014	0.0018 (J)	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	0.0015 (J)	<0.005	0.001 (J)			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	0.0014 (J)	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	0.0014 (J)	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	0.0011 (J)	<0.005	
4/24/2015	0.0016 (J)	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	0.0009 (J)		<0.005			
7/18/2016					<0.005	
3/16/2017					<0.005	
3/20/2017		0.0012 (J)		0.0003 (J)		
3/21/2017	0.0009 (J)					
3/22/2017			0.0005 (J)			
9/19/2017	0.0006 (J)	<0.005		<0.005	<0.005	
9/21/2017			0.0005 (J)			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		0.001 (JD)	<0.005	
9/6/2019	0.01 (J)		0.00037 (J)			
3/3/2020	0.00049 (J)	0.00022 (J)		0.00097 (J)	0.00027 (J)	
3/5/2020			0.0003 (J)			
9/4/2020					<0.005	
9/8/2020	<0.005	<0.005				
9/9/2020			<0.005	0.0017 (J)		
3/9/2021	<0.005	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				0.00051 (J)		
7/30/2021			<0.005			
8/2/2021	0.00081 (J)	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		0.00068 (J)	<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0011 (J)	<0.005		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						0.0375 (J)
3/1/2016	0.0153 (J)	0.0172 (J)	0.0215 (J)			
3/2/2016				0.0121 (J)		
5/2/2016	0.018 (J)	0.018 (J)				
5/3/2016			0.023 (J)	0.013 (J)		
5/4/2016					0.057 (JD)	0.04 (J)
7/6/2016		0.02 (J)				
7/7/2016	<0.1			<0.1	0.09 (JD)	
7/8/2016			0.02 (J)			0.11 (J)
9/7/2016	<0.1	<0.1	<0.1			
9/8/2016				<0.1	0.03 (JD)	<0.1
10/25/2016	<0.1	0.03 (J)	0.04 (J)	0.03 (J)		
10/26/2016					0.15 (JD)	0.04 (J)
1/5/2017	<0.1	0.03 (J)				
1/6/2017			<0.1		0.11 (JD)	0.04 (J)
2/9/2017				<0.1		
3/14/2017		<0.1	<0.1			
3/15/2017	<0.1				0.004 (JD)	<0.1
3/23/2017				<0.1		
5/16/2017		<0.1	<0.1			
5/17/2017	<0.1			<0.1		0.01 (J)
5/18/2017					0.007 (JD)	
7/19/2017					0.12 (JD)	
9/15/2017	<0.1	<0.1	<0.1			<0.1
9/19/2017				<0.1	0.07 (JD)	
3/12/2018	<0.1	<0.1	<0.1			
3/13/2018				<0.1	0.16 (J)	0.084 (J)
9/6/2018	<0.1	<0.1	<0.1	<0.1		<0.1
9/7/2018					<0.1	
3/6/2019	<0.1		<0.1			
3/7/2019		<0.1		<0.1		<0.1
3/8/2019					0.075 (J)	
9/4/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3/2/2020	<0.1	<0.1	<0.1	<0.1		<0.1
3/3/2020					<0.1	
9/3/2020	<0.1		<0.1	<0.1		<0.1
9/9/2020					<0.1	
9/14/2020		<0.1				
2/24/2021	<0.1		<0.1	<0.1		<0.1
2/25/2021					<0.1	
3/26/2021		<0.1				
7/27/2021		<0.1				<0.1
7/28/2021			<0.1	<0.1	<0.1	
8/6/2021	<0.1					
1/25/2022				<0.1		<0.1
1/26/2022		<0.1	<0.1		<0.1	
8/5/2022				<0.1		0.065 (J)
8/8/2022		0.062 (J)	0.061 (J)			
8/9/2022					0.072 (J)	
2/8/2023		<0.1	<0.1	<0.1		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	0.0202 (J)	0.0238 (J)	0.0427 (J)	0.0293 (J)		
3/3/2016					0.0392 (J)	0.1143 (J)
5/3/2016	0.025 (J)	0.027 (J)		0.049 (J)	0.058 (J)	
5/4/2016			0.048 (J)			
5/9/2016						0.0383 (J)
7/8/2016	0.09 (J)		0.12 (J)			
7/11/2016		<0.1		<0.1	<0.1	<0.3
9/7/2016		<0.1				
9/8/2016	<0.1		<0.1			
9/9/2016				0.05 (J)	0.02 (J)	0.1 (J)
10/26/2016	0.04 (J)		0.11 (J)	0.08 (J)		0.2 (J)
10/27/2016		0.1 (J)			0.12 (J)	
1/6/2017		0.02 (J)				
1/9/2017	0.02 (J)		0.04 (J)	0.05 (J)	0.06 (J)	0.26 (J)
3/15/2017			0.009 (J)			0.19 (J)
3/16/2017	<0.1	0.04 (J)		0.07 (J)	0.08 (J)	
5/18/2017			0.02 (J)	<0.1	0.04 (J)	0.19 (J)
5/19/2017	<0.1	0.004 (J)				
9/15/2017			0.03 (J)	<0.1		0.24 (J)
9/18/2017				<0.1		
9/19/2017	<0.1	<0.1				
3/12/2018				<0.1	<0.1	
3/13/2018	<0.1	0.032 (J)	0.054 (J)			0.4
9/6/2018			<0.1			
9/7/2018				<0.1	<0.1	0.14 (J)
9/11/2018	<0.1	<0.1				
3/7/2019			<0.1		<0.1	0.089 (J)
3/8/2019	<0.1			<0.1		
3/12/2019		0.046 (J)				
9/4/2019						0.11 (J)
9/5/2019	<0.1	<0.1	<0.1	<0.1	<0.1	
3/3/2020			<0.1	<0.1		
3/4/2020	<0.1	<0.1			<0.1	0.086 (J)
9/4/2020				<0.1	<0.1	0.086 (J)
9/8/2020	<0.1	<0.1	<0.1			
2/25/2021			<0.1	<0.1	<0.1	0.097 (J)
2/26/2021	<0.1	<0.1				
7/27/2021			<0.1			
7/28/2021				<0.1	<0.1	0.091 (J)
7/29/2021	<0.1	<0.1				
1/25/2022			<0.1			
1/26/2022	<0.1	<0.1		<0.1		0.076 (J)
1/27/2022					<0.1	
8/5/2022			0.073 (J)			0.094 (J)
8/8/2022	0.067 (J)	0.066 (J)		0.078 (J)	0.07 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	0.06259 (JD)					
3/4/2016		2.1421 (O)				
3/7/2016			0.00623 (J)	0.00232 (J)	<0.1	
3/8/2016						0.00425 (J)
5/5/2016			0.045 (J)	0.025 (J)		
5/9/2016					0.0246 (J)	0.0259 (J)
5/10/2016	0.0767 (J)	0.0258 (J)				
7/13/2016	<0.3		<0.1	<0.1		
7/14/2016		<0.1			<0.1	<0.1
9/12/2016				0.02 (J)	0.03 (J)	0.03 (J)
9/13/2016			0.07 (J)			
9/14/2016		<0.1				
9/15/2016	<0.3					
10/31/2016			0.05 (J)		0.05 (J)	0.11 (J)
11/1/2016		0.06 (J)		0.05 (J)		
11/2/2016	0.08 (J)					
1/11/2017	0.19 (J)	0.33		<0.1	<0.1	
1/12/2017			0.06 (J)			0.02 (J)
3/20/2017	0.18 (J)			<0.1		
3/21/2017		0.03 (J)			<0.1	
3/22/2017						0.1 (J)
3/23/2017			0.03 (J)			
5/22/2017				<0.1	<0.1	0.02 (J)
5/23/2017	0.1 (J)	0.004 (J)	0.02 (J)			
9/19/2017						<0.1
9/20/2017					<0.1	
9/21/2017	<0.3			<0.1		
9/22/2017		0.04 (J)				
9/25/2017			0.1 (J)			
3/14/2018	0.17 (J)	<0.1	0.12 (J)	0.12 (J)	0.045 (J)	0.035 (J)
9/7/2018	<0.3			<0.1		
9/10/2018					<0.1	<0.1
9/11/2018		<0.1	<0.1			
3/11/2019	0.23 (J)					
3/12/2019		0.056 (J)	0.05 (J)	0.042 (J)	0.04 (J)	0.048 (J)
9/6/2019				<0.1		<0.1
9/9/2019	<0.3		<0.1		<0.1	
9/10/2019		<0.1				
3/4/2020	0.29 (J)				<0.1	
3/5/2020		<0.1		<0.1		<0.1
3/6/2020			<0.1			
9/4/2020						<0.1
9/9/2020	0.17 (J)	<0.1	<0.1	<0.1	<0.1	
2/26/2021			<0.1	<0.1	<0.1	
3/9/2021	0.25					<0.1
3/10/2021		<0.1				
7/29/2021			<0.1	<0.1		
7/30/2021	0.16	<0.1				
8/2/2021						<0.1
8/5/2021					<0.1	
1/27/2022				<0.1	<0.1	<0.1
1/28/2022	0.17	<0.1	<0.1			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					0.067 (J)	0.072 (J)
8/10/2022			0.06 (J)	<0.1		
8/11/2022	0.12	0.051 (J)				
2/9/2023			0.072 (J)	<0.1	<0.1	
2/10/2023	0.22	0.057 (J)				0.054 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				<0.1		
3/7/2016		0.00526 (J)				
3/8/2016	0.00287 (J)				0.00246 (J)	
3/9/2016			<0.1			
5/4/2016					0.027 (J)	
5/5/2016		0.049 (J)		0.039 (J)		
5/6/2016			0.056 (J)			
5/9/2016	0.0222 (J)					
7/12/2016				<0.1		
7/14/2016		<0.1				
7/15/2016	<0.1		<0.1			
7/18/2016					<0.1	
9/9/2016	0.03 (J)					
9/12/2016		0.06 (J)				
9/13/2016				0.04 (J)	0.03 (J)	
9/14/2016			0.02 (J)			
10/27/2016	0.1 (J)	0.12 (J)		0.11 (J)	0.1 (J)	
11/1/2016			0.07 (J)			
1/12/2017	0.11 (J)					
1/13/2017		0.04 (J)		<0.1	<0.1	
1/25/2017			0.01 (J)			
3/16/2017					<0.1	
3/20/2017		0.06 (J)		<0.1		
3/21/2017	<0.1					
3/22/2017			0.02 (J)			
5/19/2017				0.01 (J)	<0.1	
5/23/2017	<0.1	0.02 (J)				
5/24/2017			<0.1			
9/19/2017	<0.1	<0.1		<0.1	<0.1	
9/21/2017			0.17 (J)			
3/13/2018		0.046 (J)		0.091 (J)	<0.1	
3/14/2018	<0.1		0.18 (J)			
9/7/2018		<0.1				
9/10/2018	<0.1					
9/11/2018			<0.1	<0.1	<0.1	
3/8/2019				<0.1	<0.1	
3/11/2019	0.51 (o)	<0.1				
3/12/2019			0.06 (J)			
6/18/2019	<0.1					
9/5/2019		<0.1		<0.1	<0.1	
9/6/2019	<0.1		<0.1			
3/3/2020	<0.1	<0.1		<0.1	<0.1	
3/5/2020			<0.1			
9/4/2020					<0.1	
9/8/2020	<0.1	<0.1				
9/9/2020			<0.1	<0.1		
3/9/2021	<0.1	<0.1		<0.1	<0.1	
3/10/2021			<0.1			
7/29/2021				<0.1		
7/30/2021			<0.1			
8/2/2021	<0.1	<0.1			<0.1	
1/27/2022		<0.1			<0.1	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
1/28/2022	<0.1		<0.1	<0.1		
8/8/2022						0.063 (J)
8/9/2022				0.072 (J)	0.068 (J)	
8/10/2022	0.057 (J)	0.055 (J)				
8/11/2022			0.073 (J)			
2/8/2023						<0.1
2/9/2023	0.064 (J)	0.052 (J)		0.053 (J)	<0.1	
2/10/2023			0.078 (J)			

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.001	0.0069 (Jo)				
9/16/2014			<0.001	<0.001		
10/3/2014	<0.001	<0.001	<0.001	<0.001		
10/20/2014	<0.001	<0.001	<0.001	<0.001		
11/10/2014	<0.001	<0.001	<0.001	<0.001		
3/2/2015	<0.001	<0.001	<0.001	0.0047 (J)		
3/17/2015	<0.001	<0.001	<0.001	<0.001		
4/5/2015	<0.001	<0.001	<0.001			
4/6/2015				<0.001		
4/21/2015	0.0025 (J)	<0.001				
4/22/2015			<0.001	<0.001		
5/8/2015					<0.001	<0.001
5/17/2015					<0.001	<0.001
5/25/2015					<0.001	<0.001
6/8/2015					<0.001	<0.001
6/18/2015					<0.001	<0.001
6/24/2015					<0.001	<0.001
6/30/2015					<0.001	<0.001
7/6/2015					<0.001	<0.001
7/28/2015	<0.001	<0.001	<0.001	<0.001		
8/12/2015					<0.001	<0.001
2/29/2016						<0.001
3/1/2016	<0.001	<0.001	<0.001			
3/2/2016				<0.001		
5/2/2016	<0.001	<0.001				
5/3/2016			<0.001	<0.001		
5/4/2016					<0.001	<0.001
7/6/2016		0.0004 (J)				
7/7/2016	0.0001 (J)			0.0001 (J)	0.0002 (J)	
7/8/2016			0.0001 (J)			<0.001
9/7/2016	0.0001 (J)	<0.001	0.0001 (J)			
9/8/2016				0.0001 (J)	<0.001	<0.001
10/25/2016	<0.001	0.0001 (J)	<0.001	0.0002 (J)		
10/26/2016					<0.001	<0.001
1/5/2017	0.0001 (J)	0.0002 (J)				
1/6/2017			<0.001		<0.001	<0.001
2/9/2017				<0.001		
3/14/2017		0.0003 (J)	0.0001 (J)			
3/15/2017	0.0002 (J)				<0.001	<0.001
3/23/2017				0.0001 (J)		
5/16/2017		<0.001	<0.001			
5/17/2017	8E-05 (J)			0.0001 (J)		<0.001
5/18/2017					<0.001	
7/19/2017					<0.001	
9/15/2017	0.0003 (J)	8E-05 (J)	<0.001			<0.001
9/19/2017				<0.001	<0.001	
3/12/2018	<0.001	<0.001	<0.001			
3/13/2018				<0.001	<0.001	<0.001
9/6/2018	<0.001	<0.001	<0.001	<0.001		<0.001
9/7/2018					<0.001	
3/6/2019	<0.001		<0.001			
3/7/2019		<0.001		<0.001		<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.001	
9/4/2019	7.6E-05 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
3/2/2020	5.2E-05 (J)	0.00031 (J)	<0.001	<0.001		<0.001
3/3/2020					5.1E-05 (J)	
9/3/2020	0.00012 (J)		<0.001	<0.001		<0.001
9/9/2020					8.9E-05 (J)	
9/14/2020		0.00065 (J)				
2/24/2021	6.2E-05 (J)		<0.001	<0.001		<0.001
2/25/2021					<0.001	
3/26/2021		0.00095 (J)				
7/27/2021		<0.001				<0.001
7/28/2021			0.13 (o)	<0.001	<0.001	
8/6/2021	<0.001					
1/25/2022				<0.001		<0.001
1/26/2022		<0.001	<0.001		<0.001	
8/5/2022				<0.001		<0.001
8/8/2022		<0.001	<0.001			
8/9/2022					<0.001	
2/8/2023		<0.001	<0.001	<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.001				
5/9/2015	<0.001		<0.001	<0.001	<0.001	<0.001
5/17/2015		<0.001				
5/18/2015	<0.001		<0.001	<0.001	<0.001	
5/19/2015						<0.001
5/25/2015	<0.001	<0.001	<0.001			
5/26/2015				<0.001	<0.001	<0.001
6/8/2015	<0.001	<0.001				
6/9/2015			<0.001	<0.001	<0.001	<0.001
6/17/2015	<0.001		<0.001	<0.001	<0.001	<0.001
6/18/2015		<0.001				
6/24/2015	<0.001	<0.001				
6/25/2015			<0.001	<0.001	<0.001	<0.001
6/30/2015	<0.001	<0.001				
7/1/2015			<0.001	<0.001	<0.001	<0.001
7/6/2015	<0.001	<0.001				
7/7/2015			<0.001	<0.001	<0.001	<0.001
8/12/2015	<0.001	<0.001	<0.001			
8/13/2015				<0.001	<0.001	<0.001
3/2/2016	<0.001	<0.001	<0.001	<0.001		
3/3/2016					<0.001	<0.001
5/3/2016	<0.001	<0.001		<0.001	<0.001	
5/4/2016			<0.001			
5/9/2016						<0.001
7/8/2016	0.0002 (J)		<0.001			
7/11/2016		<0.001		<0.001	0.0001 (J)	0.0003 (J)
9/7/2016		<0.001				
9/8/2016	0.0002 (J)		<0.001			
9/9/2016				<0.001	<0.001	0.0001 (J)
10/26/2016	<0.001		<0.001	<0.001		<0.001
10/27/2016		<0.001			0.0001 (J)	
1/6/2017		<0.001				
1/9/2017	<0.001		<0.001	<0.001	<0.001	<0.001
3/15/2017			<0.001			0.0001 (J)
3/16/2017	0.0001 (J)	5E-05 (J)		7E-05 (J)	0.0001 (J)	
5/18/2017			<0.001	0.0001 (J)	7E-05 (J)	0.0001 (J)
5/19/2017	9E-05 (J)	0.0001 (J)				
9/15/2017			<0.001	<0.001		0.0001 (J)
9/18/2017					<0.001	
9/19/2017	0.0001 (J)	<0.001				
3/12/2018				<0.001	<0.001	
3/13/2018	<0.001	<0.001	<0.001			<0.001
9/6/2018			<0.001			
9/7/2018				<0.001	<0.001	<0.001
9/11/2018	<0.001	<0.001				
3/7/2019			<0.001		<0.001	<0.001
3/8/2019	<0.001			<0.001		
3/12/2019		<0.001				
9/4/2019						<0.001
9/5/2019	8E-05 (J)	8.3E-05 (J)	<0.001	<0.001	<0.001	
3/3/2020			4.8E-05 (J)	4.8E-05 (J)		
3/4/2020	0.00016 (J)	6.6E-05 (J)			<0.001	5E-05 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0001 (J)	<0.001	<0.001
9/8/2020	0.00012 (J)	0.0006 (J)	<0.001			
2/25/2021			<0.001	9E-05 (J)	3.8E-05 (J)	4.5E-05 (J)
2/26/2021	0.00012 (J)	6.4E-05 (J)				
7/27/2021			<0.001			
7/28/2021				<0.001	<0.001	<0.001
7/29/2021	<0.001	<0.001				
1/25/2022			<0.001			
1/26/2022	<0.001	<0.001		<0.001		<0.001
1/27/2022					<0.001	
8/5/2022			<0.001			<0.001
8/8/2022	<0.001	<0.001		<0.001	<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.001					
9/17/2014		<0.001	<0.001	<0.001	<0.001	
9/18/2014						<0.001
10/4/2014	<0.001	<0.001	<0.001	<0.001	<0.001	
10/5/2014						<0.001
10/21/2014	<0.001	<0.001	<0.001	<0.001	<0.001	
10/22/2014						<0.001
11/5/2014			<0.001		<0.001	<0.001
11/11/2014	<0.001	<0.001		<0.001		
3/3/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
3/4/2015						<0.001
3/18/2015	<0.001	<0.001	<0.001	<0.001		
3/19/2015					<0.001	<0.001
4/6/2015	<0.001	<0.001				
4/7/2015			<0.001	<0.001	<0.001	<0.001
4/23/2015	<0.001	<0.001	<0.001	<0.001		
4/24/2015					<0.001	<0.001
7/29/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
7/30/2015						<0.001
3/3/2016	<0.001					
3/4/2016		<0.001				
3/7/2016			<0.001	<0.001	<0.001	
3/8/2016						<0.001
5/5/2016			<0.001	<0.001		
5/9/2016					<0.001	<0.001
5/10/2016	<0.001	<0.001				
7/13/2016	<0.001		0.0001 (J)	<0.001		
7/14/2016		0.0006 (J)			9E-05 (J)	<0.001
9/12/2016				0.0002 (J)	<0.001	<0.001
9/13/2016			<0.001			
9/14/2016		<0.001				
9/15/2016	<0.001					
10/31/2016			<0.001		<0.001	<0.001
11/1/2016		<0.001		0.0001 (J)		
11/2/2016	<0.001					
1/11/2017	0.0001 (J)	<0.001		<0.001	<0.001	
1/12/2017			0.0002 (J)			<0.001
3/20/2017	<0.001			7E-05 (J)		
3/21/2017		<0.001			7E-05 (J)	
3/22/2017						<0.001
3/23/2017			0.0002 (J)			
5/22/2017				<0.001	<0.001	<0.001
5/23/2017	8E-05 (J)	<0.001	0.0002 (J)			
9/19/2017						<0.001
9/20/2017					0.0004 (J)	
9/21/2017	9E-05 (J)			0.0003 (J)		
9/22/2017		<0.001				
9/25/2017			8E-05 (J)			
3/14/2018	<0.001	<0.001	<0.001	0.00035 (J)	<0.001	<0.001
9/7/2018	<0.001			<0.001		
9/10/2018					<0.001	<0.001
9/11/2018		<0.001	<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.001					
3/12/2019		<0.001	<0.001	<0.001	<0.001	<0.001
9/6/2019				<0.001		<0.001
9/9/2019	<0.001		5E-05 (J)		<0.001	
9/10/2019		<0.001				
3/4/2020	<0.001				0.0003 (J)	
3/5/2020		<0.001		0.00032 (J)		<0.001
3/6/2020			0.00013 (J)			
9/4/2020						<0.001
9/9/2020	0.00017 (J)	<0.001	6E-05 (J)	0.00025 (J)	<0.001	
2/26/2021			9.4E-05 (J)	0.00025 (J)	<0.001	
3/9/2021	0.00011 (J)					<0.001
3/10/2021		<0.001				
7/29/2021			<0.001	<0.001		
7/30/2021	<0.001	<0.001				
8/2/2021						<0.001
8/5/2021					<0.001	
1/27/2022				<0.001	<0.001	<0.001
1/28/2022	<0.001	<0.001	<0.001			
8/9/2022					<0.001	<0.001
8/10/2022			<0.001	<0.001		
8/11/2022	<0.001	<0.001				
2/9/2023			<0.001	<0.001	<0.001	
2/10/2023	<0.001	<0.001				<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.001	<0.001	
9/18/2014	<0.001	<0.001	<0.001			
10/4/2014				<0.001	<0.001	
10/5/2014	<0.001	<0.001	<0.001			
10/22/2014	<0.001	<0.001	<0.001			
10/23/2014				<0.001	<0.001	
11/5/2014	<0.001	<0.001	<0.001			
11/10/2014				<0.001	<0.001	
3/4/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
3/19/2015	<0.001	<0.001				
3/20/2015			<0.001	<0.001	<0.001	
4/8/2015	<0.001	<0.001	<0.001	<0.001		
4/9/2015					<0.001	
4/23/2015			<0.001	<0.001	<0.001	
4/24/2015	<0.001	<0.001				
7/30/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
3/4/2016				<0.001		
3/7/2016		<0.001				
3/8/2016	<0.001				<0.001	
3/9/2016			<0.001			
5/4/2016					<0.001	
5/5/2016		<0.001		<0.001		
5/6/2016			<0.001			
5/9/2016	<0.001					
7/12/2016				<0.001		
7/14/2016		<0.001				
7/15/2016	<0.001		<0.001			
7/18/2016					0.0001 (J)	
9/9/2016	<0.001					
9/12/2016		<0.001				
9/13/2016				<0.001	<0.001	
9/14/2016			<0.001			
10/27/2016	<0.001	<0.001		<0.001	<0.001	
11/1/2016			<0.001			
1/12/2017	<0.001					
1/13/2017		0.0001 (J)		<0.001	<0.001	
1/25/2017			<0.001			
3/16/2017					0.0003 (J)	
3/20/2017		7E-05 (J)		0.0001 (J)		
3/21/2017	6E-05 (J)					
3/22/2017			<0.001			
5/19/2017				<0.001	0.0001 (J)	
5/23/2017	<0.001	<0.001				
5/24/2017			0.0001 (J)			
9/19/2017	<0.001	0.0001 (J)		0.0002 (J)	<0.001	
9/21/2017			<0.001			
3/13/2018		<0.001		<0.001	<0.001	
3/14/2018	<0.001		<0.001			
9/7/2018		<0.001				
9/10/2018	<0.001					
9/11/2018			<0.001	<0.001	<0.001	
3/8/2019				<0.001	0.00035 (J)	

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.001	<0.001				
3/12/2019			<0.001			
9/5/2019		<0.001		9.05E-05 (JD)	6E-05 (J)	
9/6/2019	0.0016 (J)		6.8E-05 (J)			
3/3/2020	<0.001	5.9E-05 (J)		5.7E-05 (J)	5.9E-05 (J)	
3/5/2020			5.2E-05 (J)			
9/4/2020					0.00012 (J)	
9/8/2020	6.7E-05 (J)	<0.001				
9/9/2020			<0.001	0.0001 (J)		
3/9/2021	<0.001	<0.001		<0.001	<0.001	
3/10/2021			<0.001			
7/29/2021				<0.001		
7/30/2021			<0.001			
8/2/2021	<0.001	<0.001			<0.001	
1/27/2022		<0.001			<0.001	
1/28/2022	<0.001		<0.001	<0.001		
8/8/2022						<0.001
8/9/2022				<0.001	<0.001	
8/10/2022	<0.001	<0.001				
8/11/2022			<0.001			
2/8/2023						<0.001
2/9/2023	<0.001	<0.001		<0.001	<0.001	
2/10/2023			<0.001			

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.0002	0.000172 (J)				
9/16/2014			4.23E-05 (J)	2.75E-05 (J)		
10/3/2014	<0.0002	<0.0002	<0.0002	<0.0002		
10/20/2014	<0.0002	<0.0002	3.87E-05 (J)	4.07E-05 (J)		
11/10/2014	5.8E-05 (J)	3.84E-05 (J)	3.34E-05 (J)	6.86E-05 (J)		
3/2/2015	2.04E-05 (J)	<0.0002	<0.0002	3.07E-05 (J)		
3/17/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/5/2015	<0.0002	<0.0002	<0.0002			
4/6/2015				<0.0002		
4/21/2015	<0.0002	2.39E-05 (J)				
4/22/2015			<0.0002	<0.0002		
5/8/2015					<0.0002	<0.0002
5/17/2015					0.000101 (J)	<0.0002
5/25/2015					4.88E-05 (J)	<0.0002
6/8/2015					<0.0002	<0.0002
6/18/2015					4.1E-05 (J)	<0.0002
6/24/2015					8.41E-05 (J)	<0.0002
6/30/2015					<0.0002	<0.0002
7/6/2015					<0.0002	<0.0002
7/28/2015	2.13E-05 (J)	5.2E-05 (J)	<0.0002	<0.0002		
8/12/2015					4.91E-05 (J)	<0.0002
2/29/2016						<0.0002
3/1/2016	<0.0002	<0.0002	<0.0002			
3/2/2016				<0.0002		
5/2/2016	<0.0002	<0.0002				
5/3/2016			<0.0002	<0.0002		
5/4/2016					<0.0002	<0.0002
7/6/2016		<0.0002				
7/7/2016	<0.0002			<0.0002	<0.0002	
7/8/2016			<0.0002			<0.0002
9/7/2016	<0.0002	<0.0002	<0.0002			
9/8/2016				<0.0002	<0.0002	<0.0002
10/25/2016	<0.0002	<0.0002	<0.0002	<0.0002		
10/26/2016					<0.0002	<0.0002
1/5/2017	<0.0002	<0.0002				
1/6/2017			<0.0002		<0.0002	<0.0002
2/9/2017				<0.0002		
3/14/2017		<0.0002	<0.0002			
3/15/2017	<0.0002				<0.0002	<0.0002
3/23/2017				<0.0002		
5/16/2017		<0.0002	<0.0002			
5/17/2017	<0.0002			<0.0002		<0.0002
5/18/2017					<0.0002	
7/19/2017					<0.0002	
9/15/2017	<0.0002	<0.0002	<0.0002			<0.0002
9/19/2017				<0.0002	<0.0002	
3/12/2018	<0.0002	<0.0002	<0.0002			
3/13/2018				<0.0002	<0.0002	<0.0002
9/6/2018	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
9/7/2018					<0.0002	
3/6/2019	<0.0002		<0.0002			
3/7/2019		<0.0002		<0.0002		<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.0002	
9/4/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/2/2020	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
3/3/2020					<0.0002	
9/3/2020	<0.0002		<0.0002	<0.0002		<0.0002
9/9/2020					<0.0002	
9/14/2020		<0.0002				
2/24/2021	<0.0002		9.1E-05 (J)	0.00013 (J)		<0.0002
2/25/2021					<0.0002	
3/26/2021		<0.0002				
7/27/2021		<0.0002				<0.0002
7/28/2021			<0.0002	<0.0002	<0.0002	
8/6/2021	0.00021					
1/25/2022				<0.0002		<0.0002
1/26/2022		<0.0002	<0.0002		<0.0002	
8/5/2022				<0.0002		<0.0002
8/8/2022		<0.0002	<0.0002			
8/9/2022					<0.0002	
2/8/2023		<0.0002	<0.0002	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.0002				
5/9/2015	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
5/17/2015		<0.0002				
5/18/2015	<0.0002		<0.0002	<0.0002	<0.0002	
5/19/2015						<0.0002
5/25/2015	<0.0002	<0.0002	<0.0002			
5/26/2015				<0.0002	<0.0002	<0.0002
6/8/2015	<0.0002	<0.0002				
6/9/2015			<0.0002	<0.0002	<0.0002	<0.0002
6/17/2015	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
6/18/2015		<0.0002				
6/24/2015	<0.0002	<0.0002				
6/25/2015			<0.0002	<0.0002	<0.0002	<0.0002
6/30/2015	<0.0002	<0.0002				
7/1/2015			<0.0002	<0.0002	<0.0002	<0.0002
7/6/2015	<0.0002	<0.0002				
7/7/2015			<0.0002	<0.0002	<0.0002	<0.0002
8/12/2015	<0.0002	<0.0002	<0.0002			
8/13/2015				<0.0002	<0.0002	<0.0002
3/2/2016	<0.0002	<0.0002	<0.0002	<0.0002		
3/3/2016					<0.0002	<0.0002
5/3/2016	<0.0002	<0.0002		<0.0002	<0.0002	
5/4/2016			<0.0002			
5/9/2016						<0.0002
7/8/2016	<0.0002		<0.0002			
7/11/2016		<0.0002		<0.0002	<0.0002	<0.0002
9/7/2016		<0.0002				
9/8/2016	<0.0002		<0.0002			
9/9/2016				<0.0002	<0.0002	<0.0002
10/26/2016	<0.0002		<0.0002	<0.0002		<0.0002
10/27/2016		<0.0002			<0.0002	
1/6/2017		<0.0002				
1/9/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
3/15/2017			<0.0002			<0.0002
3/16/2017	<0.0002	<0.0002		<0.0002	<0.0002	
5/18/2017			<0.0002	<0.0002	<0.0002	<0.0002
5/19/2017	<0.0002	<0.0002				
9/15/2017			<0.0002	<0.0002		<0.0002
9/18/2017					<0.0002	
9/19/2017	<0.0002	<0.0002				
3/12/2018				<0.0002	<0.0002	
3/13/2018	<0.0002	<0.0002	<0.0002			<0.0002
9/6/2018			<0.0002			
9/7/2018				<0.0002	<0.0002	<0.0002
9/11/2018	<0.0002	<0.0002				
3/7/2019			<0.0002		<0.0002	<0.0002
3/8/2019	<0.0002			<0.0002		
3/12/2019		<0.0002				
9/4/2019						<0.0002
9/5/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/3/2020			<0.0002	<0.0002		
3/4/2020	<0.0002	<0.0002			<0.0002	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.0002	<0.0002	<0.0002
9/8/2020	<0.0002	<0.0002	<0.0002			
2/25/2021			<0.0002	<0.0002	<0.0002	<0.0002
2/26/2021	<0.0002	<0.0002				
7/27/2021			<0.0002			
7/28/2021				<0.0002	<0.0002	<0.0002
7/29/2021	<0.0002	<0.0002				
1/25/2022			<0.0002			
1/26/2022	<0.0002	<0.0002		<0.0002		<0.0002
1/27/2022					<0.0002	
8/5/2022			<0.0002			<0.0002
8/8/2022	<0.0002	<0.0002		<0.0002	<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	2.69E-05 (J)					
9/17/2014		2.97E-05 (J)	4.24E-05 (J)	3.5E-05 (J)	4.15E-05 (J)	
9/18/2014						5.34E-05 (J)
10/4/2014	<0.0002	<0.0002	2.5E-05 (J)	<0.0002	<0.0002	
10/5/2014						<0.0002
10/21/2014	3.18E-05 (J)	5.02E-05 (J)	6.4E-05 (J)	5.35E-05 (J)	5.89E-05 (J)	
10/22/2014						4.88E-05 (J)
11/5/2014			7.02E-05 (J)		7.28E-05 (J)	2.85E-05 (J)
11/11/2014	<0.0002	3.66E-05 (J)		4.64E-05 (J)		
3/3/2015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/4/2015						<0.0002
3/18/2015	<0.0002	<0.0002	<0.0002	<0.0002		
3/19/2015					<0.0002	<0.0002
4/6/2015	<0.0002	<0.0002				
4/7/2015			<0.0002	<0.0002	<0.0002	<0.0002
4/23/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/24/2015					<0.0002	<0.0002
7/29/2015	<0.0002	<0.0002	3.14E-05 (J)	<0.0002	<0.0002	
7/30/2015						<0.0002
3/3/2016	<0.0002					
3/4/2016		<0.0002				
3/7/2016			<0.0002	<0.0002	<0.0002	
3/8/2016						<0.0002
5/5/2016			<0.0002	<0.0002		
5/9/2016					<0.0002	<0.0002
5/10/2016	<0.0002	<0.0002				
7/13/2016	<0.0002		<0.0002	<0.0002		
7/14/2016		<0.0002			<0.0002	<0.0002
9/12/2016				<0.0002	<0.0002	<0.0002
9/13/2016			<0.0002			
9/14/2016		<0.0002				
9/15/2016	<0.0002					
10/31/2016			<0.0002		<0.0002	<0.0002
11/1/2016		<0.0002		<0.0002		
11/2/2016	<0.0002					
1/11/2017	<0.0002	<0.0002		<0.0002	<0.0002	
1/12/2017			<0.0002			<0.0002
3/20/2017	<0.0002			<0.0002		
3/21/2017		<0.0002			<0.0002	
3/22/2017						<0.0002
3/23/2017			<0.0002			
5/22/2017				<0.0002	<0.0002	<0.0002
5/23/2017	<0.0002	<0.0002	<0.0002			
9/19/2017						<0.0002
9/20/2017					<0.0002	
9/21/2017	<0.0002			<0.0002		
9/22/2017		<0.0002				
9/25/2017			<0.0002			
3/14/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/7/2018	<0.0002			<0.0002		
9/10/2018					<0.0002	<0.0002
9/11/2018		<0.0002	<0.0002			

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.0002					
3/12/2019		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/6/2019				<0.0002		<0.0002
9/9/2019	<0.0002		<0.0002		<0.0002	
9/10/2019		<0.0002				
3/4/2020	<0.0002				<0.0002	
3/5/2020		<0.0002		<0.0002		<0.0002
3/6/2020			<0.0002			
9/4/2020						<0.0002
9/9/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/26/2021			<0.0002	<0.0002	<0.0002	
3/9/2021	<0.0002					<0.0002
3/10/2021		<0.0002				
7/29/2021			<0.0002	<0.0002		
7/30/2021	<0.0002	<0.0002				
8/2/2021						<0.0002
8/5/2021					9.4E-05 (J)	
1/27/2022				<0.0002	<0.0002	<0.0002
1/28/2022	<0.0002	<0.0002	<0.0002			
8/9/2022					<0.0002	<0.0002
8/10/2022			<0.0002	<0.0002		
8/11/2022	<0.0002	<0.0002				
2/9/2023			<0.0002	<0.0002	<0.0002	
2/10/2023	<0.0002	<0.0002				<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				2.81E-05 (J)	3.13E-05 (J)	
9/18/2014	<0.0002	2.54E-05 (J)	2.82E-05 (J)			
10/4/2014				<0.0002	<0.0002	
10/5/2014	<0.0002	<0.0002	<0.0002			
10/22/2014	2.57E-05 (J)	2.83E-05 (J)	<0.0002			
10/23/2014				<0.0002	4.6E-05 (J)	
11/5/2014	<0.0002	0.0002	4.83E-05 (J)			
11/10/2014				5.15E-05 (J)	2.5E-05 (J)	
3/4/2015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/19/2015	<0.0002	<0.0002				
3/20/2015			<0.0002	<0.0002	<0.0002	
4/8/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/9/2015					<0.0002	
4/23/2015			<0.0002	<0.0002	<0.0002	
4/24/2015	<0.0002	<0.0002				
7/30/2015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/4/2016				<0.0002		
3/7/2016		<0.0002				
3/8/2016	<0.0002				<0.0002	
3/9/2016			<0.0002			
5/4/2016					<0.0002	
5/5/2016		<0.0002		<0.0002		
5/6/2016			<0.0002			
5/9/2016	<0.0002					
7/12/2016				<0.0002		
7/14/2016		<0.0002				
7/15/2016	<0.0002		<0.0002			
7/18/2016					<0.0002	
9/9/2016	<0.0002					
9/12/2016		<0.0002				
9/13/2016				<0.0002	<0.0002	
9/14/2016			<0.0002			
10/27/2016	<0.0002	<0.0002		<0.0002	<0.0002	
11/1/2016			<0.0002			
1/12/2017	<0.0002					
1/13/2017		<0.0002		<0.0002	<0.0002	
1/25/2017			<0.0002			
3/16/2017					<0.0002	
3/20/2017		<0.0002		<0.0002		
3/21/2017	<0.0002					
3/22/2017			<0.0002			
5/19/2017				<0.0002	<0.0002	
5/23/2017	<0.0002	<0.0002				
5/24/2017			<0.0002			
9/19/2017	<0.0002	<0.0002		<0.0002	<0.0002	
9/21/2017			<0.0002			
3/13/2018		<0.0002		<0.0002	<0.0002	
3/14/2018	<0.0002		<0.0002			
9/7/2018		<0.0002				
9/10/2018	<0.0002					
9/11/2018			<0.0002	<0.0002	<0.0002	
3/8/2019				<0.0002	<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.0002	<0.0002				
3/12/2019			<0.0002			
9/5/2019		<0.0002		<0.0002	<0.0002	
9/6/2019	<0.0002		<0.0002			
3/3/2020	<0.0002	<0.0002		<0.0002	<0.0002	
3/5/2020			<0.0002			
9/4/2020					<0.0002	
9/8/2020	<0.0002	<0.0002				
9/9/2020			<0.0002	<0.0002		
3/9/2021	<0.0002	<0.0002		<0.0002	<0.0002	
3/10/2021			<0.0002			
7/29/2021				<0.0002		
7/30/2021			<0.0002			
8/2/2021	<0.0002	<0.0002			<0.0002	
1/27/2022		<0.0002			<0.0002	
1/28/2022	<0.0002		<0.0002	<0.0002		
8/8/2022						<0.0002
8/9/2022				<0.0002	<0.0002	
8/10/2022	<0.0002	<0.0002				
8/11/2022			<0.0002			
2/8/2023						<0.0002
2/9/2023	<0.0002	<0.0002		<0.0002	<0.0002	
2/10/2023			<0.0002			

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.01				
9/16/2014			0.018	0.0028		
10/3/2014	<0.005	<0.005	0.022	0.0036		
10/20/2014	<0.005	0.0043	0.022	0.0025		
11/10/2014	<0.005	<0.005	0.018	0.0026		
3/2/2015	<0.005	<0.005	0.016	0.017		
3/17/2015	<0.005	<0.005	0.015	0.0057		
4/5/2015	<0.005	0.0016 (J)	0.016			
4/6/2015				0.0022 (J)		
4/21/2015	0.0014 (J)	0.0033				
4/22/2015			0.016	0.0015 (J)		
5/8/2015					<0.005	<0.005
5/17/2015					0.0016 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	0.0032	0.018	0.0015 (J)		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.0138			
3/2/2016				<0.01		
7/6/2016		0.0007 (J)				
7/7/2016	<0.005			0.0014 (J)	0.0008 (J)	
7/8/2016			0.014			<0.005
3/14/2017		0.0007 (J)	0.0087 (J)			
3/15/2017	0.0142				<0.005	0.0005 (J)
3/23/2017				<0.01		
9/15/2017	0.0005 (J)	<0.005	0.0053 (J)			<0.005
9/19/2017				0.0011 (J)	<0.005	
3/12/2018	<0.005	<0.005	0.0054 (J)			
3/13/2018				<0.01	<0.005	<0.005
9/6/2018	<0.005	<0.005	0.0069 (J)	<0.01		<0.005
9/7/2018				<0.005		
3/6/2019	<0.005		<0.01			
3/7/2019		<0.005		<0.01		<0.005
3/8/2019					<0.005	
9/4/2019	0.00041 (J)	<0.005	0.0059 (J)	0.000825 (JD)	<0.005	<0.005
3/2/2020	0.00071 (J)	0.00051 (J)	0.0079 (J)	0.001 (J)		<0.005
3/3/2020					<0.005	
9/3/2020	<0.005		0.0096 (J)	0.00089 (J)		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		0.01	0.00091 (J)		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		0.0017 (J)				<0.005
7/28/2021			0.019	0.00096 (J)	<0.005	
8/6/2021	<0.005					
1/25/2022				0.00093 (J)		<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.005	0.016		<0.005	
8/5/2022				0.00085 (J)		<0.005
8/8/2022		<0.005	0.0097			
8/9/2022					<0.005	
2/8/2023		<0.005	0.012	0.00091 (J)		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	0.0018 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			0.0015 (J)	<0.005	0.0022 (J)	<0.005
6/17/2015	<0.005		0.0013 (J)	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	0.0034	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	0.0016 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	0.0007 (J)	0.0006 (J)
3/15/2017			0.0005 (J)			<0.005
3/16/2017	0.0005 (J)	<0.005		0.0008 (J)	0.0015 (J)	
9/15/2017			<0.005	<0.005		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			<0.005	0.00061 (J)		
3/4/2020	<0.005	<0.005			<0.005	<0.005
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			0.00082 (J)
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.03					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.029	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	0.026	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			0.0016 (J)		<0.005	<0.005
11/11/2014	0.023	<0.005		<0.005		
3/3/2015	0.02	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	0.019	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.02	<0.005				
4/7/2015			0.0014 (J)	<0.005	<0.005	<0.005
4/23/2015	0.019	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	0.018	<0.005	0.0015 (J)	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.0111					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
7/13/2016	0.0133		0.0007 (J)	<0.005		
7/14/2016		<0.005			<0.005	<0.005
3/20/2017	0.0111			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
9/19/2017						<0.005
9/20/2017					0.0006 (J)	
9/21/2017	0.0092 (J)			<0.005		
9/22/2017		<0.005				
9/25/2017			0.0015 (J)			
3/14/2018	0.0094 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	0.0086 (J)			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			
3/11/2019	<0.01					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	0.0066 (J)		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	0.0032 (J)				0.00071 (J)	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			0.0005 (J)			
9/4/2020						<0.005
9/9/2020	0.0067 (J)	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.0053					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.0073	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	0.0063	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	0.0077	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	0.005	<0.005				<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.01	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.01	<0.005	<0.005			
10/22/2014	0.0013 (J)	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	0.0013 (J)	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.01	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.01	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	0.0014 (J)	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	0.0014 (J)	<0.005				
7/30/2015	<0.01	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	0.0261 (o)				<0.005	
3/9/2016			<0.005			
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	0.0021 (J)		<0.005			
7/18/2016					<0.005	
3/16/2017					0.0012 (J)	
3/20/2017		<0.005		0.0003 (J)		
3/21/2017	<0.01					
3/22/2017			<0.005			
9/19/2017	0.0012 (J)	0.0011 (J)		<0.005	<0.005	
9/21/2017			0.0012 (J)			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	0.0014 (J)		<0.005			
9/7/2018		<0.005				
9/10/2018	0.002 (J)					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	
3/11/2019	<0.01	<0.005				
3/12/2019			<0.005			
9/5/2019		0.0011 (J)		<0.005	<0.005	
9/6/2019	0.0028 (J)		0.00086 (J)			
3/3/2020	0.00099 (J)	0.001 (J)		<0.005	<0.005	
3/5/2020			0.00075 (J)			
9/4/2020					<0.005	
9/8/2020	0.0014 (J)	0.00083 (J)				
9/9/2020			<0.005	<0.005		
3/9/2021	0.00075 (J)	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	0.0015 (J)	<0.005			<0.005	
1/27/2022		0.00076 (J)			<0.005	
1/28/2022	0.0014 (J)		<0.005	<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	0.0014 (J)	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0011 (J)	<0.005		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						7.52
3/1/2016	7.07	7.45	5.94			
3/2/2016				5.65		
5/2/2016	7	7.31				
5/3/2016			5.85	5.72		
5/4/2016					7.52	7.59
7/6/2016		7.4				
7/7/2016	7.15			5.68	7.42	
7/8/2016			5.74			7.61
9/7/2016	7.2	7.32	5.79			
9/8/2016				5.42	7.4	7.52
10/25/2016	7.12	7.4	5.88	5.41		
10/26/2016					7.59	7.67
1/5/2017	7.05	7.29				
1/6/2017			5.82		7.51	7.49
2/9/2017				4.99		
3/14/2017		7.48	5.8			
3/15/2017	6.84				7.51	7.55
3/23/2017				4.94		
5/16/2017		7.38	5.02			
5/17/2017	6.78			5.18		7.55
5/18/2017					7.64	
7/18/2017					7.58	
7/19/2017					7.58	
9/15/2017	6.7	7.35	5.68			7.48
9/19/2017				5.53	7.37	
3/12/2018	6.6	7.26	5.72			
3/13/2018				5.57	7.62	7.34
9/6/2018	6.83	7.21	5.59	5.69		7.5
9/7/2018					7.36	
3/6/2019	6.64		5.38			
3/7/2019		7.48		5.54		7.29
3/8/2019					7.55	
9/4/2019	6.85	7.14	5.09	5.91	7.39	7.43
3/2/2020	6.58	7.24	5.52	5.49		7.44
3/3/2020					7.73	
9/3/2020	6.81		5.17	5.32		7.67
9/9/2020					7.59	
9/14/2020		7.1				
2/24/2021	6.69		5.49	5.23		7.53
2/25/2021					7.43	
3/26/2021		7.11				
7/27/2021		7.65				7.4
7/28/2021			5.29	5.21	7.29	
8/6/2021	6.9					
1/25/2022				5.14		7.44
1/26/2022		7.01	4.69		7.78	
8/5/2022				4.98		7.35
8/8/2022		7.11	5.16			
8/9/2022					7.25	
2/8/2023		6.88	5.3	5.13		

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	7.77	7.76	7.51	7.01		
3/3/2016					7.44	7.95
5/3/2016	7.76	7.8		7.26	7.64	
5/4/2016			7.68			
5/9/2016						7.66
7/8/2016	7.82		7.7			
7/11/2016		7.82		7.45	7.72	7.86
9/7/2016		7.83				
9/8/2016	7.73		7.71			
9/9/2016				7.55	7.66	7.89
10/26/2016	7.71		7.6	7.55		7.98
10/27/2016		7.84			7.75	
1/6/2017		7.63				
1/9/2017	7.52		7.81	7.62	7.83	7.9
3/15/2017			7.74			8
3/16/2017	7.84	7.8		7.4	7.78	
5/18/2017			7.39	7.24	7.64	8.21
5/19/2017	7.72	7.81				
9/15/2017			7.61	7.38		8.34
9/18/2017					7.66	
9/19/2017	7.68	7.84				
1/9/2018						8.1 (Y)
3/12/2018				7	7.11	
3/13/2018	7.74	7.8	7.39			8.03
9/6/2018			7.66			
9/7/2018				7.45	7.6	8.14
9/11/2018	7.64	7.76				
3/7/2019			7.55		7.22	8.05
3/8/2019	7.73			7.14		
3/12/2019		7.7				
9/4/2019						7.79
9/5/2019	7.57	7.68	7.54	7.26	7.53	
3/3/2020			7.59	6.95		
3/4/2020	7.63	7.72			7.27	7.95
9/4/2020				7.24	7.64	7.82
9/8/2020	7.67	7.68	7.56			
2/25/2021			7.55	7.05	7.27	7.85
2/26/2021	7.7	7.72				
7/27/2021			7.41			
7/28/2021				6.96	7.17	7.79
7/29/2021	7.55	7.57				
1/25/2022			7.38			
1/26/2022	7.72	7.78		7.21		7.45
1/27/2022					7.27	
8/5/2022			7.32			7.6
8/8/2022	7.66	7.61		7.1	7.26	

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	7.22					
3/4/2016		7.24				
3/7/2016			6.81	7.7	7.68	
3/8/2016						7.62
5/5/2016			6	7.85		
5/9/2016					7.66	7.72
5/10/2016	7.08	7.18				
7/13/2016	7.05		6.67	7.85		
7/14/2016		7.21			7.74	7.69
9/12/2016				7.87	7.76	7.52
9/13/2016		7.17	6.67			
9/15/2016	7.51					
10/31/2016			6.15		7.74	7.51
11/1/2016		7.18		7.78		
11/2/2016	7.1					
1/11/2017	7.16	7.11		7.75	7.69	
1/12/2017			6.79			7.46
3/20/2017	7.19			7.86		
3/21/2017		7.24			7.54	
3/22/2017						7.77
3/23/2017			7.04			
5/22/2017				7.51	7.79	7.5
5/23/2017	6.97	7.21	7.02			
9/19/2017						7.49
9/20/2017					7.77	
9/21/2017	7.28			7.84		
9/22/2017		7.2				
9/25/2017			6.81			
12/29/2017						7.75 (Y)
3/14/2018	7.11	7.16	7.06	7.51	7.74	7.62
9/7/2018	7.08			7.69		
9/10/2018					7.69	7.84
9/11/2018		7.13	6.97			
3/11/2019	7.21					
3/12/2019		7.28	7.06	7.76	7.6	7.63
9/6/2019				7.65		7.75
9/9/2019	7.13		6.71		7.73	
9/10/2019		7.17				
3/4/2020	7.37				7.65	
3/5/2020		7.3		7.77		7.6
3/6/2020			7.01			
9/4/2020						7.57
9/9/2020	7.08	7.24	6.63	7.81	7.67	
2/26/2021			7.07	7.81	7.73	
3/9/2021	7.34					7.81
3/10/2021		7.27				
7/29/2021			6.77	7.74		
7/30/2021	7.04	7.17				
8/2/2021						7.67
8/5/2021					7.66	
1/27/2022				7.76	7.74	7.73
1/28/2022	7.31	7.34	6.6			

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					7.77	7.81
8/10/2022			6.53	7.59		
8/11/2022	7.05	7.27				
2/9/2023			6.68	7.46	7.38	
2/10/2023	7.02	7.12				7.34

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				6.95		
3/7/2016		7.61				
3/8/2016	6.86				7.4	
3/9/2016			7.54			
5/4/2016					7.6	
5/5/2016		7.79		7.58		
5/6/2016			7.5			
5/9/2016	7.08					
7/12/2016				7.58		
7/14/2016		7.76				
7/15/2016	7.2		7.33			
7/18/2016					7.61	
9/9/2016	7.17					
9/12/2016		7.6				
9/13/2016				7.62	7.56	
9/14/2016			7.47			
10/27/2016	7.14	7.73		7.64	7.69	
11/1/2016			7.31			
1/12/2017	7.06					
1/13/2017		7.68		7.28	7.62	
1/25/2017			7.28			
3/16/2017						7.43
3/20/2017		7.6		7.23		
3/21/2017	7.14					
3/22/2017			7.43			
5/19/2017				7.15	7.32	
5/23/2017	6.9	7.81				
5/24/2017			7.07			
9/19/2017	7.18	7.46		7.54	7.62	
9/21/2017			7.24			
1/9/2018		7.39 (Y)				
3/13/2018		7.49		7.02	7.43	
3/14/2018	6.99		7.4			
9/7/2018		7.53				
9/10/2018	6.96					
9/11/2018			7.78	7.4	7.69	
3/8/2019				7.65	7.69	
3/11/2019	6.95	7.51				
3/12/2019			7.42			
9/5/2019		7.09		7.4	7.59	
9/6/2019	7.04		7.32			
3/3/2020	7.1	7.15		7.55	7.56	
3/5/2020			7.24			
9/4/2020					7.62	
9/8/2020	7.07	7.19				
9/9/2020			7.12	7.22		
12/15/2020			7.39			
3/9/2021	6.98	7.35		7.8	8.07	
3/10/2021			7.41			
7/29/2021				7.32		
7/30/2021			7.13			
8/2/2021	7.01	7.1			7.48	

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
1/27/2022		7.28			7.46	
1/28/2022	6.69		7.38	7.68		
8/8/2022						6.79
8/9/2022				7.48	7.6	
8/10/2022	6.98	7.1				
8/11/2022			7.37			
11/3/2022			6.65 (R)			
2/8/2023						6.77
2/9/2023	7.13	7.05		7.44	7.51	
2/10/2023			7.01			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	<0.005				
9/16/2014			<0.005	<0.005		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	<0.005	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	<0.005		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					<0.005	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					0.00982 (J)	<0.005
7/6/2016		<0.005				
7/7/2016	<0.005			<0.005	0.01	
7/8/2016			<0.005			<0.005
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				<0.005	0.0046 (J)	<0.005
10/25/2016	<0.005	<0.005	<0.005	<0.005		
10/26/2016					0.0071 (J)	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		0.0099 (J)	<0.005
2/9/2017				<0.005		
3/14/2017		<0.005	<0.005			
3/15/2017	<0.005				0.0056 (J)	<0.005
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			<0.005		<0.005
5/18/2017					0.0064 (J)	
7/19/2017					<0.005	
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				<0.005	0.0029 (J)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				<0.005	0.005 (J)	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					0.01	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					0.0052 (J)	
9/4/2019	<0.005	<0.005	<0.005	<0.005	0.01	<0.005
3/2/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/3/2020					0.0053 (J)	
9/3/2020	<0.005		<0.005	<0.005		<0.005
9/9/2020					0.0059 (J)	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	<0.005		<0.005
2/25/2021					0.0099	
3/26/2021		<0.005				
7/27/2021		<0.005				<0.005
7/28/2021			<0.005	<0.005	0.0073	
8/6/2021	<0.005					
1/25/2022				<0.005		<0.005
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					0.0051	
2/8/2023		<0.005	<0.005	<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.01	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.01	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.01	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.01	<0.005	<0.005
6/17/2015	<0.005		<0.005	<0.01	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.01	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.01	<0.005	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.01	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.01	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	0.00234 (J)		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		0.00241 (J)	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.01	0.0011 (J)	<0.005
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.01	0.001 (J)	<0.005
10/26/2016	<0.005		<0.005	<0.01		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.01	<0.005	0.0011 (J)
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		<0.01	<0.005	
5/18/2017			<0.005	<0.01	<0.005	<0.005
5/19/2017	<0.005	<0.005				
9/15/2017			<0.005	<0.01		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				0.0018 (J)	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.01	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		0.0016 (J)	<0.005
3/8/2019	<0.005			0.0026 (J)		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.01	<0.005	
3/3/2020			<0.005	0.0025 (J)		
3/4/2020	<0.005	<0.005			0.0018 (J)	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.01	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	0.0018 (J)	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				0.0022 (J)	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		0.0025 (J)		<0.005
1/27/2022					0.0016 (J)	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		0.0024 (J)	0.0015 (J)	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	<0.005		<0.005		
3/3/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	<0.005	<0.005				
7/13/2016	<0.005		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	<0.005					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	<0.005	<0.005	<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	<0.005			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	<0.005					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		
7/30/2021	<0.005	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.005	<0.005			
10/22/2014	<0.005	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.005		<0.005		
5/6/2016			<0.005			
5/9/2016	<0.005					
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	<0.005		<0.005			
7/18/2016					<0.005	
9/9/2016	<0.005					
9/12/2016		<0.005				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.005		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	<0.005					
1/13/2017		<0.005		<0.005	<0.005	
1/25/2017			<0.005			
3/16/2017					<0.005	
3/20/2017		<0.005		<0.005		
3/21/2017	<0.005					
3/22/2017			<0.005			
5/19/2017				<0.005	<0.005	
5/23/2017	<0.005	<0.005				
5/24/2017			<0.005			
9/19/2017	<0.005	<0.005		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		<0.005	<0.005	
9/6/2019	<0.005		<0.005			
3/3/2020	<0.005	<0.005		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					<0.005	
9/8/2020	<0.005	<0.005				
9/9/2020			0.0017 (J)	<0.005		
3/9/2021	<0.005	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	<0.005	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		<0.005	<0.005		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	<0.005	<0.005		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	<0.005				
9/16/2014			<0.005	0.00051 (J)		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	<0.005	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	<0.005		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					<0.005	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
7/6/2016		<0.005				
7/7/2016	<0.005			<0.005	<0.005	
7/8/2016			<0.005			<0.005
3/14/2017		<0.005	<0.005			
3/15/2017	<0.005				<0.005	<0.005
3/23/2017				<0.005		
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				<0.005	<0.005	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				<0.005	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	<0.005 (D)	<0.005	<0.005
3/2/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/3/2020					<0.005	
9/3/2020	<0.005		<0.005	<0.005		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	<0.005		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		<0.005				<0.005
7/28/2021			<0.005	<0.005	<0.005	
8/6/2021	<0.005					
1/25/2022				<0.005		<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	<0.005	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	<0.005	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		<0.005	<0.005	
9/15/2017			<0.005	<0.005		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			<0.005	<0.005		
3/4/2020	<0.005	<0.005			<0.005	<0.005
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	0.00058 (J)	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	0.0007 (J)		<0.005		
3/3/2015	<0.005	0.00052 (J)	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0013 (J)	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
7/13/2016	<0.005		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	<0.005			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	<0.005					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	<0.005	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.005	<0.005			
10/22/2014	<0.005	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	<0.005		<0.005			
7/18/2016					<0.005	
3/16/2017					<0.005	
3/20/2017		<0.005		<0.005		
3/21/2017	<0.005					
3/22/2017			<0.005			
9/19/2017	<0.005	<0.005		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		<0.005	<0.005	
9/6/2019	<0.005		<0.005			
3/3/2020	<0.005	<0.005		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					<0.005	
9/8/2020	<0.005	<0.005				
9/9/2020			<0.005	<0.005		
3/9/2021	<0.005	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	<0.005	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	<0.005	<0.005		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						5.7396
3/1/2016	2.5655	6.8929	0.9427 (J)			
3/2/2016				2.5669		
5/2/2016	1.64	1.6				
5/3/2016			0.87 (J)	1.83		
5/4/2016					16.8	6.87
7/6/2016		1.7				
7/7/2016	1.7			1.8	18	
7/8/2016			0.79 (J)			8.1
9/7/2016	1.8	1.5	0.85 (J)			
9/8/2016				0.97 (J)	18	6.6
10/25/2016	1.4	1.8	0.74 (J)	1.2		
10/26/2016					20	4.7
1/5/2017	1.9 (J)	4.6				
1/6/2017			0.64 (J)		21	4.8
2/9/2017				0.31 (J)		
3/14/2017		2.8	0.77 (J)			
3/15/2017	1.2				17	3.9
3/23/2017				0.54 (J)		
5/16/2017		2.1	0.48 (J)			
5/17/2017	1.2			0.66 (J)		5.2
5/18/2017					19	
7/19/2017					10	
9/15/2017	1	3	0.76 (J)			4.4
9/19/2017				2	22	
3/12/2018	0.77 (J)	8.2	0.42 (J)			
3/13/2018				1.5	27.3	8.5
9/6/2018	0.8 (J)	1.5	0.37 (J)	1.4		7.2
9/7/2018					26.9	
3/6/2019	0.45 (J)		0.46 (J)			
3/7/2019		4.3		1.1		12.7
3/8/2019					23.6	
9/4/2019	0.68 (J)	1.8	<1	0.83 (J)	22.9	4.2
3/2/2020	<1	7.9	<1	0.5 (J)		16.3
3/3/2020					21.5	
9/3/2020	0.65 (J)		<1	0.58 (J)		3.5
9/9/2020					21.8	
9/14/2020		1.3				
2/24/2021	0.51 (J)		<1	0.72 (J)		29.2
2/25/2021					29.5	
3/26/2021		5.4				
7/27/2021		7.4				23.3
7/28/2021			<1	0.81 (J)	26.5	
8/6/2021	0.94 (J)					
1/25/2022				0.58 (J)		8.6
1/26/2022		7.5	<1		22.2	
8/5/2022				<1		4.4
8/8/2022		19.2	<1			
8/9/2022					22.3	
2/8/2023		21.7	0.75 (J)	0.9 (J)		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	1.799	2.0407	7.1892	32.178		
3/3/2016					22.316	132.4615
5/3/2016	1.94	1.86		39.2	20.8	
5/4/2016			7.22			
5/9/2016						34.3
7/8/2016	2		6.7			
7/11/2016		2		16	17	58
9/7/2016		1.9				
9/8/2016	1.9		7			
9/9/2016				9.7	14	66
10/26/2016	2.1		6.4	9.2		76
10/27/2016		2.1			15	
1/6/2017		2				
1/9/2017	1.9		5.9	9.3	17	85
3/15/2017			6.2			100
3/16/2017	2	1.9		6.9	15	
5/18/2017			6.1	7.9	24	87
5/19/2017	2	1.9				
9/15/2017			5.8	17		110
9/18/2017					22	
9/19/2017	2	2.1				
3/12/2018				28.7	22	
3/13/2018	1.9	1.9	4.9			94.8
9/6/2018			3.5			
9/7/2018				27.4	22.4	101
9/11/2018	1.9	1.8				
3/7/2019			2.6		25	88.7
3/8/2019	1.8			31.8		
3/12/2019		2.2				
9/4/2019						67.8
9/5/2019	1.5	1.5	2.4	21.5	22.7	
3/3/2020			1.7	29		
3/4/2020	1.5	1.7			23.4	69.4
9/4/2020				20.4	16.1	54.9
9/8/2020	1.4	1.4	1.8			
2/25/2021			1.7	34.5	23.2	62.6
2/26/2021	1.6	1.6				
7/27/2021			1.8			
7/28/2021				32.8	24.9	58.6
7/29/2021	1.3	1.4				
1/25/2022			1.4			
1/26/2022	1.4	1.6		32.5		47.1
1/27/2022					20.7	
8/5/2022			1.4			42.9
8/8/2022	1.3	1.5		30	23.5	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	7.1809					
3/4/2016		9.3417				
3/7/2016			1.7468	2.3258	3.3556	
3/8/2016						0.0196 (J)
5/5/2016			2.27	2.42		
5/9/2016					3.62	1.15
5/10/2016	4.6	6.65				
7/13/2016	2.3		2.1	2.5		
7/14/2016		5.7			3.5	1.3
9/12/2016				2.3	3.3	1.3
9/13/2016			2.1			
9/14/2016		5.8				
9/15/2016	5.6					
10/31/2016			1.5		3.5	1.4
11/1/2016		6.6				
11/2/2016	7.5					
1/11/2017	8.3	6.5		2.5	3.2	
1/12/2017			1.9			1.4
3/20/2017	10			2.4		
3/21/2017		6.4			3.4	
3/22/2017						1.7
3/23/2017			2.1			
5/22/2017				2.5	3.3	1.5
5/23/2017	9.5	6.3	2			
9/19/2017						1.3
9/20/2017					3.4	
9/21/2017	8.9			2.4		
9/22/2017		6.9				
9/25/2017			2.1			
3/14/2018	8.8	7	2.2	2.2	3.4	1.6
9/7/2018	6.5			2.2		
9/10/2018					3.4	1.7
9/11/2018		5.8	2			
3/11/2019	11					
3/12/2019		25.9 (O)	2.3	2.6	4.3	1.5
9/6/2019				2		1.45 (D)
9/9/2019	3.8		1.8		3.7	
9/10/2019		6				
3/4/2020	8.4				3.6	
3/5/2020		7.7		1.9		1.1
3/6/2020			2			
9/4/2020						1.1
9/9/2020	2.8	5.6	1.4	1.9	3.4	
2/26/2021			2.1	2.1	3.4	
3/9/2021	12.9					1.5
3/10/2021		7.3				
7/29/2021			1.7	1.9		
7/30/2021	5.4	5.9				
8/2/2021						1.5
8/5/2021					4	
1/27/2022				2.1	3.9	1.7
1/28/2022	11.9	7.6	1.6			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					3.7	1.6
8/10/2022			1.7	2.3		
8/11/2022	5	6.6				
2/9/2023			2.3	2.4	4	
2/10/2023	12.1	7.6				1.8

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				1.0816		
3/7/2016		2.1008				
3/8/2016	1.3858				1.3157	
3/9/2016			26.4322			
5/4/2016					1.46	
5/5/2016		2.16		11.3		
5/6/2016			17.7			
5/9/2016	2.94					
7/12/2016				8.8		
7/14/2016		2.3				
7/15/2016	3		12			
7/18/2016					1.5	
9/9/2016	3.2					
9/13/2016				5.4	1.5	
9/14/2016			12			
10/27/2016	3.6	2.3		9.9	1.7	
11/1/2016			10			
1/12/2017	3.9					
1/13/2017		2.3		7.8	2	
1/25/2017			8.2			
3/16/2017					1.6	
3/20/2017		2.4		2.3		
3/21/2017	4.8					
3/22/2017			13			
5/19/2017				2.4	1.5	
5/23/2017	5.4	2.4				
5/24/2017			10			
9/19/2017	5.6	2.2		2.3	1.8	
9/21/2017			16			
3/13/2018		2.4		1.4	1.7	
3/14/2018	<1		14			
9/7/2018		1.8				
9/10/2018	4.8					
9/11/2018			14.9	1.7	1.7	
3/8/2019				1.9	1.6	
3/11/2019	3.4	2				
3/12/2019			17.7			
9/5/2019		1.7		1.8	1.6	
9/6/2019	6		9.5			
3/3/2020	11.3	1.7		2	1.6	
3/5/2020			10.8			
9/4/2020					1.6	
9/8/2020	9.6	1.3				
9/9/2020			124	1.9		
12/15/2020			61.2			
3/9/2021	10.5	1.4		1.6	1.6	
3/10/2021			56.8			
7/29/2021				1.8		
7/30/2021			72.6			
8/2/2021	21.5 (o)	1.5			1.7	
1/27/2022		1.3			2	
1/28/2022	13.7		98.4	2.3		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						23.4
8/9/2022				2.1	1.9	
8/10/2022	10.5	1.6				
8/11/2022			143			
11/3/2022			137 (R)			
2/8/2023						24.6
2/9/2023	16.8	2		2.9	2.3	
2/10/2023			86.7			

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.001					
9/16/2014			<0.001	<0.001		
10/3/2014	<0.001	<0.001	<0.001			
10/6/2014				<0.001		
10/20/2014	<0.001	<0.001	<0.001	<0.001		
11/10/2014	<0.001	<0.001	<0.001	<0.001		
3/2/2015	<0.001	<0.001	<0.001	<0.001		
3/17/2015	<0.001	0.0001 (J)	<0.001	<0.001		
4/5/2015	<0.001	7E-05 (J)	<0.001			
4/6/2015				<0.001		
4/21/2015	<0.001	<0.001				
4/22/2015			<0.001	<0.001		
5/13/2015					0.0003 (J)	<0.001
5/20/2015					9E-05 (J)	6E-05 (J)
5/27/2015					<0.001	<0.001
6/8/2015					<0.001	<0.001
6/18/2015					<0.001	<0.001
6/24/2015					<0.001	<0.001
6/30/2015					6E-05 (J)	<0.001
7/6/2015					<0.001	<0.001
7/28/2015	<0.001	<0.001	<0.001	<0.001		
8/12/2015					<0.001	<0.001
2/29/2016						<0.001
3/1/2016	<0.001	<0.001	<0.001			
3/2/2016				<0.001		
5/2/2016	<0.001	<0.001				
5/3/2016			<0.001	<0.001		
5/4/2016					<0.001	<0.001
7/6/2016		<0.001				
7/7/2016	9E-05 (J)			<0.001	<0.001	
7/8/2016			<0.001			0.0002 (J)
9/7/2016	<0.001	<0.001	<0.001			
9/8/2016				<0.001	<0.001	<0.001
10/25/2016	<0.001	<0.001	<0.001	<0.001		
10/26/2016					<0.001	<0.001
1/5/2017	<0.001	<0.001				
1/6/2017			<0.001		<0.001	<0.001
2/9/2017				<0.001		
3/14/2017		<0.001	<0.001			
3/15/2017	4E-05 (J)				4E-05 (J)	4E-05 (J)
3/23/2017				<0.001		
5/16/2017		<0.001	<0.001			
5/17/2017	<0.001			<0.001		<0.001
5/18/2017					6E-05 (J)	
7/19/2017					<0.001	
9/15/2017	<0.001	<0.001	<0.001			<0.001
9/19/2017				<0.001	6E-05 (J)	
3/12/2018	<0.001	<0.001	<0.001			
3/13/2018				<0.001	<0.001	<0.001
9/6/2018	<0.001	<0.001	<0.001	<0.001		<0.001
9/7/2018					<0.001	
3/6/2019	<0.001		<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/7/2019		<0.001		<0.001		<0.001
3/8/2019					<0.001	
9/4/2019	<0.001	<0.001	<0.001	<0.001	0.00014 (J)	<0.001
3/2/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/3/2020					0.00012 (J)	
9/3/2020	<0.001		<0.001	<0.001		<0.001
9/9/2020					<0.001	
9/14/2020		<0.001				
2/24/2021	<0.001		<0.001	<0.001		<0.001
2/25/2021					<0.001	
3/26/2021		<0.001				
7/27/2021		<0.001				<0.001
7/28/2021			<0.001	<0.001	<0.001	
8/6/2021	<0.001					
1/25/2022				<0.001		<0.001
1/26/2022		<0.001	<0.001		<0.001	
8/5/2022				<0.001		<0.001
8/8/2022		<0.001	<0.001			
8/9/2022					<0.001	
2/8/2023		<0.001	<0.001	<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/13/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
5/20/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
5/27/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
6/8/2015	9E-05 (J)	<0.001				
6/9/2015			0.0001 (J)	<0.001	<0.001	<0.001
6/17/2015	7E-05 (J)		0.0001 (J)	8E-05 (J)	<0.001	<0.001
6/24/2015	<0.001	<0.001			<0.001	
6/25/2015			0.0001 (J)	7E-05 (J)		<0.001
6/30/2015	9E-05 (J)	<0.001				
7/1/2015			0.0001 (J)	<0.001	<0.001	<0.001
7/6/2015	<0.001	<0.001				
7/7/2015			9E-05 (J)	0.0001 (J)	<0.001	<0.001
8/12/2015	7E-05 (J)	<0.001	7E-05 (J)			
8/13/2015				8E-05 (J)	<0.001	<0.001
3/2/2016	<0.001	<0.001	<0.001	<0.001		
3/3/2016					<0.001	<0.001
5/3/2016	<0.001	<0.001		<0.001	<0.001	
5/4/2016			<0.001			
5/9/2016						<0.001
7/8/2016	6E-05 (J)		<0.001			
7/11/2016		<0.001		<0.001	<0.001	<0.001
9/7/2016		<0.001				
9/8/2016	<0.001		<0.001			
9/9/2016				<0.001	<0.001	<0.001
10/26/2016	<0.001		<0.001	<0.001		<0.001
10/27/2016		<0.001			<0.001	
1/6/2017		<0.001				
1/9/2017	<0.001		<0.001	<0.001	<0.001	<0.001
3/15/2017			4E-05 (J)			<0.001
3/16/2017	4E-05 (J)	<0.001		0.0001 (J)	5E-05 (J)	
5/18/2017			<0.001	0.0001 (J)	<0.001	<0.001
5/19/2017	<0.001	<0.001				
9/15/2017			<0.001	0.0001 (J)		<0.001
9/18/2017					<0.001	
9/19/2017	<0.001	<0.001				
3/12/2018				<0.001	<0.001	
3/13/2018	<0.001	<0.001	<0.001			<0.001
9/6/2018			<0.001			
9/7/2018				<0.001	<0.001	<0.001
9/11/2018	<0.001	<0.001				
3/7/2019			<0.001		<0.001	<0.001
3/8/2019	<0.001			<0.001		
3/12/2019		<0.001				
9/4/2019						<0.001
9/5/2019	<0.001	<0.001	<0.001	0.00011 (J)	<0.001	
3/3/2020			7.9E-05 (J)	6.5E-05 (J)		
3/4/2020	<0.001	<0.001			<0.001	<0.001
9/4/2020				<0.001	<0.001	<0.001
9/8/2020	<0.001	<0.001	<0.001			
2/25/2021			<0.001	<0.001	<0.001	<0.001
2/26/2021	<0.001	<0.001				
7/27/2021			<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
7/28/2021				<0.001	<0.001	<0.001
7/29/2021	<0.001	<0.001				
1/25/2022			<0.001			
1/26/2022	<0.001	<0.001		<0.001		<0.001
1/27/2022					<0.001	
8/5/2022			<0.001			<0.001
8/8/2022	<0.001	<0.001		<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0004 (J)					
9/17/2014		<0.001	0.0002 (J)	<0.001	<0.001	
9/18/2014						0.0001 (J)
10/4/2014	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
10/5/2014						0.0001 (J)
10/21/2014	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
10/22/2014						0.0001 (J)
11/5/2014			0.0003 (J)		<0.001	0.0002 (J)
11/11/2014	0.0005 (J)	<0.001		<0.001		
3/3/2015	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
3/4/2015						0.0001 (J)
3/18/2015	0.0005 (J)	<0.001	0.0002 (J)	<0.001		
3/19/2015					<0.001	0.0001 (J)
4/6/2015	0.0004 (J)	<0.001				
4/7/2015			0.0002 (J)	<0.001	<0.001	0.0001 (J)
4/23/2015	0.0004 (J)	<0.001	0.0002 (J)	<0.001		
4/24/2015					<0.001	0.0001 (J)
7/29/2015	0.0003 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
7/30/2015						<0.001
3/3/2016	0.002222 (JD)					
3/4/2016		<0.001				
3/7/2016			<0.001	<0.001	<0.001	
3/8/2016						<0.001
5/5/2016			<0.001	<0.001		
5/9/2016					<0.001	<0.001
5/10/2016	<0.001	<0.001				
7/13/2016	<0.001		<0.001	<0.001		
7/14/2016		<0.001			<0.001	<0.001
9/12/2016				<0.001	<0.001	<0.001
9/13/2016			<0.001			
9/14/2016		<0.001				
9/15/2016	<0.001					
10/31/2016			<0.001		<0.001	<0.001
11/1/2016		<0.001		<0.001		
11/2/2016	<0.001					
1/11/2017	0.0003 (J)	<0.001		<0.001	<0.001	
1/12/2017			<0.001			<0.001
3/20/2017	0.0003 (J)			<0.001		
3/21/2017		<0.001			<0.001	
3/22/2017						4E-05 (J)
3/23/2017			0.0001 (J)			
5/22/2017				<0.001	<0.001	5E-05 (J)
5/23/2017	0.0003 (J)	<0.001	0.0001 (J)			
9/19/2017						6E-05 (J)
9/20/2017					<0.001	
9/21/2017	0.0002 (J)			<0.001		
9/22/2017		<0.001				
9/25/2017			0.0001 (J)			
3/14/2018	0.00018 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
9/7/2018	0.00016 (J)			<0.001		
9/10/2018					<0.001	<0.001
9/11/2018		<0.001	<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.00026 (J)					
3/12/2019		<0.001	<0.001	<0.001	<0.001	<0.001
9/6/2019				<0.001		<0.001
9/9/2019	6E-05 (J)		<0.001		<0.001	
9/10/2019		<0.001				
3/4/2020	0.00014 (J)				<0.001	
3/5/2020		<0.001		<0.001		<0.001
3/6/2020			7.6E-05 (J)			
9/4/2020						<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001	
2/26/2021			<0.001	<0.001	<0.001	
3/9/2021	<0.001					<0.001
3/10/2021		<0.001				
7/29/2021			<0.001	<0.001		
7/30/2021	<0.001	<0.001				
8/2/2021						<0.001
8/5/2021					<0.001	
1/27/2022				<0.001	<0.001	<0.001
1/28/2022	<0.001	<0.001	<0.001			
8/9/2022					<0.001	<0.001
8/10/2022			<0.001	<0.001		
8/11/2022	<0.001	<0.001				
2/9/2023			<0.001	<0.001	<0.001	
2/10/2023	<0.001	<0.001				<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.001	<0.001	
9/18/2014	0.0002 (J)	<0.001	0.0002 (J)			
10/4/2014				<0.001	<0.001	
10/5/2014	0.0002 (J)	0.0001 (J)	0.0003 (J)			
10/22/2014	0.0002 (J)	<0.001	0.0002 (J)			
10/23/2014				<0.001	<0.001	
11/5/2014	0.0002 (J)	0.0001 (J)				
11/10/2014				<0.001	<0.001	
3/4/2015	0.0002 (J)	0.0001 (J)	0.0002 (J)	<0.001	<0.001	
3/19/2015	0.0002 (J)	0.0001 (J)				
3/20/2015			0.0002 (J)	<0.001	<0.001	
4/8/2015	0.0002 (J)	0.0001 (J)	0.0002 (J)	<0.001		
4/9/2015					<0.001	
4/23/2015			0.0002 (J)	<0.001	<0.001	
4/24/2015	0.0002 (J)	0.0001 (J)				
7/30/2015	0.0001 (J)	0.0001 (J)	0.0001 (J)	<0.001	<0.001	
3/4/2016				<0.001		
3/7/2016		<0.001				
3/8/2016	<0.001				<0.001	
3/9/2016			0.0033 (Jo)			
5/4/2016					<0.001	
5/5/2016		<0.001		<0.001		
5/6/2016			<0.001			
5/9/2016	0.000353 (J)					
7/12/2016				<0.001		
7/14/2016		<0.001				
7/15/2016	<0.001		<0.001			
7/18/2016					<0.001	
9/9/2016	<0.001					
9/12/2016		<0.001				
9/13/2016				<0.001	<0.001	
9/14/2016			0.0002 (J)			
10/27/2016	<0.001	<0.001		<0.001	<0.001	
11/1/2016			<0.001			
1/12/2017	<0.001					
1/13/2017		<0.001		<0.001	<0.001	
1/25/2017			<0.001			
3/16/2017					<0.001	
3/20/2017		<0.001		<0.001		
3/21/2017	<0.001					
3/22/2017			0.0001 (J)			
5/19/2017				<0.001	<0.001	
5/23/2017	0.0002 (J)	0.0001 (J)				
5/24/2017			0.0001 (J)			
9/19/2017	0.0002 (J)	8E-05 (J)		<0.001	<0.001	
9/21/2017			0.0002 (J)			
3/13/2018		0.00017 (J)		<0.001	<0.001	
3/14/2018	<0.001		<0.001			
9/7/2018		<0.001				
9/10/2018	<0.001					
9/11/2018			<0.001	<0.001	<0.001	
3/8/2019				<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.001	0.00015 (J)				
3/12/2019			<0.001			
9/5/2019		5.5E-05 (J)		<0.001	<0.001	
9/6/2019	0.0002 (J)		0.0003 (J)			
3/3/2020	7.1E-05 (J)	7.2E-05 (J)		<0.001	<0.001	
3/5/2020			0.00018 (J)			
9/4/2020					<0.001	
9/8/2020	<0.001	0.00016 (J)				
9/9/2020			0.00016 (J)	<0.001		
3/9/2021	<0.001	<0.001		<0.001	<0.001	
3/10/2021			<0.001			
7/29/2021				<0.001		
7/30/2021			0.00023 (J)			
8/2/2021	<0.001	<0.001			<0.001	
1/27/2022		<0.001			<0.001	
1/28/2022	0.00021 (J)		<0.001	<0.001		
8/8/2022						<0.001
8/9/2022				<0.001	<0.001	
8/10/2022	0.00031 (J)	<0.001				
8/11/2022			<0.001			
2/8/2023						<0.001
2/9/2023	0.00029 (J)	<0.001		<0.001	<0.001	
2/10/2023			<0.001			

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						134
3/1/2016	96	150	34			
3/2/2016				34		
5/2/2016	63	105				
5/3/2016			<25	<36		
5/4/2016					175	113
7/6/2016		113				
7/7/2016	105			39	204	
7/8/2016			14 (J)			152
9/7/2016	103	169	16 (J)			
9/8/2016				<36	141	124
10/25/2016	101	152	<25	<36		
10/26/2016					153	134
1/5/2017	155	229				
1/6/2017			189 (O)		329	
2/9/2017				65		
3/14/2017		188	90 (o)			
3/15/2017	96				197	139
3/23/2017				<36		
5/16/2017		147	20 (J)			
5/17/2017	110			113		156
5/18/2017					250	
7/19/2017					195	
9/15/2017	89	146	14 (J)			141
9/19/2017				21 (J)	255	
3/12/2018	81	169	<25			
3/13/2018				33	233	150
9/6/2018	107	155	<25	<36		160
9/7/2018					232	
3/6/2019	71 (J)		22 (J)			
3/7/2019		135		84		159
3/8/2019					244	
9/4/2019	83	142	26	44	207	135
3/2/2020	65	170	<25	32		142
3/3/2020					211	
9/3/2020	90		25	21		132
9/9/2020					205	
9/14/2020		156				
2/24/2021	60		10	12		144
2/25/2021					217	
3/26/2021		123				
7/27/2021		163				170
7/28/2021			13	18	199	
8/6/2021	94					
1/25/2022				27		136
1/26/2022		184	26		190	
8/5/2022				27		123
8/8/2022		232	19			
8/9/2022					208	
2/8/2023		238	<25	31		

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	130	134	125	185		
3/3/2016					181	403
5/3/2016	99	76		182	123	
5/4/2016			77			
5/9/2016						182
7/8/2016	132		139			
7/11/2016		142		195	149	262
9/7/2016		143				
9/8/2016	108		110			
9/9/2016				140	133	272
10/26/2016	113		115	148		276
10/27/2016		114			168	
1/9/2017	146		121	171	166	317
3/15/2017			132			355
3/16/2017	132	146		176	189	
5/18/2017			174	184	192	382
5/19/2017	114	129				
9/15/2017			124	194		362
9/18/2017					184	
9/19/2017	154	165				
3/12/2018				212	207	
3/13/2018	138	132	133			349
9/6/2018			135			
9/7/2018				240	202	377
9/11/2018	140	142				
3/7/2019			111		212	410
3/8/2019	143			248		
3/12/2019		150 (J)				
9/4/2019						326
9/5/2019	148	142	132	229	183	
3/3/2020			91	210		
3/4/2020	146	157			207	325
9/4/2020				226	180	267
9/8/2020	138	124	116			
2/25/2021			124	217	194	284
2/26/2021	128	98				
7/27/2021			116			
7/28/2021				232	206	291
7/29/2021	121	134				
1/25/2022			113			
1/26/2022	131	144		244		278
1/27/2022					207	
8/5/2022			106			271
8/8/2022	137	136		240	209	

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	306					
3/4/2016		348				
3/7/2016			100	167	172	
3/8/2016						207
5/5/2016			63	119		
5/9/2016					206	189
5/10/2016	275	342				
7/13/2016	234		63	135		
7/14/2016		335			136	193
9/12/2016				129	171	201
9/13/2016			81			
9/14/2016		335				
9/15/2016	259					
10/31/2016			40		160	215
11/1/2016		296		121		
11/2/2016	260					
1/11/2017	306	376		177	214	
1/12/2017			92			198
3/20/2017	304			149		
3/21/2017		346			175 (J)	
3/23/2017			116			
5/22/2017				119	129	197
5/23/2017	297	320	107			
9/19/2017						225
9/20/2017					173	
9/21/2017	307			166		
9/22/2017		337				
9/25/2017			110			
12/29/2017						198 (Y)
3/14/2018	312	323	115	139	156	167
9/7/2018	298			149		
9/10/2018					172	184
9/11/2018		317	102			
3/11/2019	344					
3/12/2019		306	135 (J)	143 (J)	156 (J)	191 (J)
9/6/2019				141		179
9/9/2019	275		95		172	
9/10/2019		312				
3/4/2020	326				157	
3/5/2020		307		143		171
3/6/2020			109			
9/4/2020						212
9/9/2020	297	285	88	120	152	
2/26/2021			90	121	172	
3/9/2021	335					163
3/10/2021		256				
7/29/2021			103	146		
7/30/2021	294	270				
8/2/2021						168
8/5/2021					154	
1/27/2022				146	149	176
1/28/2022	317	302	99			

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					102	171
8/10/2022			86	147		
8/11/2022	306	296				
2/9/2023			175	171	171	
2/10/2023	369	302				226 (J)

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				209		
3/7/2016		163				
3/8/2016	318				177	
3/9/2016			287			
5/4/2016					97	
5/5/2016		140		152		
5/6/2016			284			
5/9/2016	136					
7/12/2016				157		
7/14/2016		161				
7/15/2016	237		249			
7/18/2016					150	
9/9/2016	263					
9/12/2016		168				
9/13/2016				154	159	
9/14/2016			273			
10/27/2016	283	140		162	143	
11/1/2016			258			
1/12/2017	276					
1/13/2017		147 (J)		165	158	
1/25/2017			340			
3/16/2017					167	
3/20/2017		186		205 (J)		
3/21/2017	385					
3/22/2017			264			
5/19/2017				149	150	
5/23/2017	294	183				
5/24/2017			331			
9/19/2017	302	167		153	146	
9/21/2017			347			
3/13/2018		159		153	153	
3/14/2018	306		290			
9/7/2018		169				
9/10/2018	328					
9/11/2018			295	152	153	
3/8/2019				164	155	
3/11/2019	311	166				
3/12/2019			310 (J)			
9/5/2019		171		155.5 (D)	177	
9/6/2019	291		300			
3/3/2020	292	181		146	183	
3/5/2020			265			
9/4/2020					172	
9/8/2020	297	157				
9/9/2020			501	155		
12/15/2020			351			
3/9/2021	286	161		158	153	
3/10/2021			333			
7/29/2021				143		
7/30/2021			380			
8/2/2021	292	166			175	
1/27/2022		167			168	

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
1/28/2022	290		454	159		
8/8/2022						232
8/9/2022				149	164	
8/10/2022	286	162				
8/11/2022			586			
11/3/2022			573 (R)			
2/8/2023						245
2/9/2023	317	328		147	169	
2/10/2023			533			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	0.0073				
9/16/2014			<0.01	0.00085 (J)		
10/3/2014	<0.01	<0.01	<0.01	0.00096 (J)		
10/20/2014	<0.01	0.0045 (J)	<0.01	<0.01		
11/10/2014	<0.01	<0.01	<0.01	0.00095 (J)		
3/2/2015	<0.01	<0.01	<0.01	0.0041 (J)		
3/17/2015	<0.01	<0.01	<0.01	0.0018 (J)		
4/5/2015	<0.01	0.0014 (J)	<0.01			
4/6/2015				<0.01		
4/21/2015	<0.01	0.0029 (J)				
4/22/2015			<0.01	<0.01		
5/8/2015					<0.01	<0.01
5/17/2015					0.0044 (J)	<0.01
5/25/2015					0.0025 (J)	<0.01
6/8/2015					0.0042 (J)	0.0012 (J)
6/18/2015					0.0056	<0.01
6/24/2015					0.016	<0.01
6/30/2015					0.013	<0.01
7/6/2015					0.012	0.0011 (J)
7/28/2015	<0.01	0.0031 (J)	<0.01	<0.01		
8/12/2015					0.0279 (o)	0.000519 (J)
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
7/6/2016		<0.01				
7/7/2016	<0.01			<0.01	<0.01	
7/8/2016			0.0028 (J)			<0.01
3/14/2017		<0.01	<0.01			
3/15/2017	<0.01				<0.01	<0.01
3/23/2017				<0.01		
9/15/2017	<0.01	<0.01	<0.01			<0.01
9/19/2017				<0.01	<0.01	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				<0.01	<0.01	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					<0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01
3/8/2019					<0.01	
9/4/2019	<0.01	<0.01	0.00073 (J)	0.00538 (JD)	<0.01	<0.01
3/2/2020	<0.01	<0.01	0.00074 (J)	0.0014 (J)		<0.01
3/3/2020					0.00091 (J)	
9/3/2020	<0.01		<0.01	<0.01		<0.01
9/9/2020					<0.01	
9/14/2020		<0.01				
2/24/2021	<0.01		<0.01	<0.01		<0.01
2/25/2021					<0.01	
3/26/2021		<0.01				
7/27/2021		<0.01				<0.01
7/28/2021			<0.01	<0.01	<0.01	
8/6/2021	<0.01					
1/25/2022				<0.01		<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.01	<0.01		<0.01	
8/5/2022				<0.01		<0.01
8/8/2022		<0.01	<0.01			
8/9/2022					<0.01	
2/8/2023		<0.01	<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		0.0018 (J)	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		0.0014 (J)	0.0014 (J)	0.0017 (J)	
5/19/2015						0.0015 (J)
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	0.0033 (J)	<0.01
6/17/2015	<0.01		0.0015 (J)	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	0.0031 (J)	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	0.000525 (J)	0.000172 (J)	0.000656 (J)	0.000246 (J)	0.000187 (J)	0.000497 (J)
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	<0.01	<0.01
3/15/2017			<0.01			<0.01
3/16/2017	<0.01	<0.01		<0.01	<0.01	
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	<0.01		
3/4/2020	<0.01	<0.01			<0.01	<0.01
9/4/2020				<0.01	<0.01	<0.01
9/8/2020	<0.01	<0.01	<0.01			
2/25/2021			<0.01	<0.01	<0.01	<0.01
2/26/2021	<0.01	<0.01				
7/27/2021			<0.01			
7/28/2021				<0.01	<0.01	<0.01
7/29/2021	<0.01	<0.01				
1/25/2022			<0.01			
1/26/2022	<0.01	<0.01		<0.01		<0.01
1/27/2022					<0.01	
8/5/2022			<0.01			<0.01
8/8/2022	<0.01	<0.01		<0.01	<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0019 (J)					
9/17/2014		<0.01	<0.01	0.001 (J)	<0.01	
9/18/2014						<0.01
10/4/2014	0.005	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	0.00089 (J)	<0.01	<0.01	0.00084 (J)	<0.01	
10/22/2014						<0.01
11/5/2014			<0.01		<0.01	<0.01
11/11/2014	<0.01	0.0012 (J)		<0.01		
3/3/2015	0.00093 (J)	<0.01	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	<0.01	<0.01		
3/19/2015					<0.01	0.0012 (J)
4/6/2015	<0.01	<0.01				
4/7/2015			<0.01	<0.01	<0.01	<0.01
4/23/2015	<0.01	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	<0.01					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
7/13/2016	0.0021 (J)		<0.01	<0.01		
7/14/2016		<0.01			<0.01	<0.01
3/20/2017	0.0019 (J)			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
9/19/2017						<0.01
9/20/2017					<0.01	
9/21/2017	<0.01			<0.01		
9/22/2017		<0.01				
9/25/2017			<0.01			
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01
9/9/2019	0.00091 (J)		0.00078 (J)		0.00081 (J)	
9/10/2019		<0.01				
3/4/2020	0.0023 (J)				0.00096 (J)	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			<0.01			
9/4/2020						<0.01
9/9/2020	<0.01	<0.01	<0.01	<0.01	<0.01	
2/26/2021			<0.01	<0.01	<0.01	
3/9/2021	0.003 (J)					<0.01
3/10/2021		<0.01				
7/29/2021			<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.0022 (J)	<0.01				
8/2/2021						<0.01
8/5/2021					<0.01	
1/27/2022				<0.01	<0.01	<0.01
1/28/2022	<0.01	<0.01	<0.01			
8/9/2022					<0.01	<0.01
8/10/2022			<0.01	<0.01		
8/11/2022	<0.01	<0.01				
2/9/2023			<0.01	<0.01	<0.01	
2/10/2023	0.003 (J)	<0.01				<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				0.0012 (J)	<0.01	
9/18/2014	<0.01	<0.01	<0.01			
10/4/2014				<0.01	<0.01	
10/5/2014	<0.01	<0.01	<0.01			
10/22/2014	<0.01	<0.01	0.00083 (J)			
10/23/2014				<0.01	<0.01	
11/5/2014	<0.01	<0.01	0.0014 (J)			
11/10/2014				<0.01	<0.01	
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
3/19/2015	<0.01	<0.01				
3/20/2015			<0.01	<0.01	<0.01	
4/8/2015	<0.01	<0.01	0.0017 (J)	0.0012 (J)		
4/9/2015					<0.01	
4/23/2015			<0.01	<0.01	<0.01	
4/24/2015	<0.01	<0.01				
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
3/4/2016				<0.01		
3/7/2016		<0.01				
3/8/2016	<0.01				<0.01	
3/9/2016			<0.01			
7/12/2016				0.002 (J)		
7/14/2016		<0.01				
7/15/2016	<0.01		<0.01			
7/18/2016					<0.01	
3/16/2017					<0.01	
3/20/2017		<0.01		<0.01		
3/21/2017	<0.01					
3/22/2017			<0.01			
9/19/2017	<0.01	<0.01		0.0012 (J)	<0.01	
9/21/2017			<0.01			
3/13/2018		<0.01		<0.01	<0.01	
3/14/2018	<0.01		<0.01			
9/7/2018		<0.01				
9/10/2018	<0.01					
9/11/2018			<0.01	<0.01	<0.01	
3/8/2019				<0.01	<0.01	
3/11/2019	<0.01	<0.01				
3/12/2019			<0.01			
9/5/2019		0.00094 (J)		0.0012 (JD)	<0.01	
9/6/2019	0.0012 (J)		0.0011 (J)			
3/3/2020	0.00085 (J)	<0.01		0.0011 (J)	<0.01	
3/5/2020			0.00071 (J)			
9/4/2020					<0.01	
9/8/2020	<0.01	<0.01				
9/9/2020			<0.01	<0.01		
3/9/2021	<0.01	<0.01		<0.01	<0.01	
3/10/2021			<0.01			
7/29/2021				<0.01		
7/30/2021			<0.01			
8/2/2021	<0.01	<0.01			<0.01	
1/27/2022		<0.01			<0.01	
1/28/2022	<0.01		<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.01
8/9/2022				<0.01	<0.01	
8/10/2022	<0.01	<0.01				
8/11/2022			<0.01			
2/8/2023						<0.01
2/9/2023	<0.01	<0.01		<0.01	<0.01	
2/10/2023			<0.01			

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.15	0.44 (o)				
9/16/2014			0.0062	0.0054		
10/3/2014	0.04	0.021	0.0085	0.007		
10/20/2014	0.042	0.19	0.0087	0.0052		
11/10/2014	0.1	0.0014 (J)	0.01	0.0054		
3/2/2015	0.073	0.032	0.0077	0.041 (o)		
3/17/2015	0.2	0.034	0.0086	0.014		
4/5/2015	0.29	0.089	0.0098			
4/6/2015				0.0044		
4/21/2015	0.46	0.16				
4/22/2015			0.0049	0.0023 (J)		
5/8/2015					0.015	<0.02
5/17/2015					0.12 (o)	0.0017 (J)
5/25/2015					0.023	0.003
6/8/2015					0.016	0.0025
6/18/2015					0.016	0.0019 (J)
6/24/2015					0.022	0.0028
6/30/2015					0.017	<0.02
7/6/2015					0.01	<0.02
7/28/2015	0.26	0.15	0.0099	0.0035		
8/12/2015					0.0047 (BJ)	0.0033 (BJ)
2/29/2016						<0.02
3/1/2016	0.378	0.0627	0.00756 (J)			
3/2/2016				0.0029 (J)		
7/6/2016		0.0532				
7/7/2016	0.263			0.0023 (J)	0.0073 (J)	
7/8/2016			0.0098 (J)			<0.02
3/14/2017		0.0401	0.0042 (J)			
3/15/2017	0.382				<0.02	0.0013 (J)
3/23/2017				<0.02		
9/15/2017	0.406	0.0338	0.0032 (J)			<0.02
9/19/2017				0.002 (J)	<0.02	
3/12/2018	0.5	0.042	0.0025 (J)			
3/13/2018				<0.02	<0.02	<0.02
9/6/2018	0.37	0.045	<0.02	<0.02		<0.02
9/7/2018				<0.02		
3/6/2019	0.56		0.0035 (J)			
3/7/2019		0.043		<0.02		<0.02
3/8/2019					<0.02	
9/4/2019	0.34	0.052	0.0086 (J)	0.00565 (JD)	0.0051 (J)	0.0045 (J)
3/2/2020	0.54	0.056	0.0063 (J)	0.0032 (J)		0.0024 (J)
3/3/2020					0.0035 (J)	
9/3/2020	0.35		0.0049 (J)	<0.02		<0.02
9/9/2020					<0.02	
9/14/2020		0.053				
2/24/2021	0.44		0.0038 (J)	<0.02		<0.02
2/25/2021					<0.02	
3/26/2021		0.046				
7/27/2021		<0.02				<0.02
7/28/2021			0.0088 (J)	<0.02	<0.02	
8/6/2021	0.15					
1/25/2022				<0.02		<0.02

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.02	<0.02		<0.02	
8/5/2022				<0.02		<0.02
8/8/2022		<0.02	<0.02			
8/9/2022					<0.02	
2/8/2023		0.0086 (J)	<0.02	<0.02		

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		0.0022 (J)				
5/9/2015	0.0023 (J)		<0.02	<0.02	<0.02	<0.02
5/17/2015		<0.02				
5/18/2015	0.0034		0.0019 (J)	0.0016 (J)	0.0033	
5/19/2015						0.0045
5/25/2015	<0.02	0.0022 (J)	0.0022 (J)			
5/26/2015				<0.02	0.0022 (J)	0.0038
6/8/2015	0.0015 (J)	0.0015 (J)				
6/9/2015			0.0015 (J)	0.0026	0.0082	0.0037
6/17/2015	<0.02		0.0035	0.0017 (J)	<0.02	0.0018 (J)
6/18/2015		0.0026				
6/24/2015	<0.02	0.0015 (J)				
6/25/2015			<0.02	<0.02	<0.02	<0.02
6/30/2015	<0.02	0.0015 (J)				
7/1/2015			<0.02	<0.02	0.0064	<0.02
7/6/2015	<0.02	<0.02				
7/7/2015			<0.02	<0.02	<0.02	<0.02
8/12/2015	0.004 (BJ)	0.0031 (BJ)	0.0015 (BJ)			
8/13/2015				0.002 (BJ)	0.0028 (BJ)	0.0017 (BJ)
3/2/2016	0.0035 (J)	0.0028 (J)	<0.02	<0.02		
3/3/2016				<0.02	<0.02	
7/8/2016	<0.02		0.0029 (J)			
7/11/2016		<0.02		<0.02	<0.02	0.0018 (J)
3/15/2017			0.0024 (J)			0.0034 (J)
3/16/2017	0.0029 (J)	0.0018 (J)		0.0015 (J)	0.0054 (J)	
9/15/2017			0.0016 (J)	<0.02		<0.02
9/18/2017					<0.02	
9/19/2017	0.0018 (J)	<0.02				
3/12/2018				<0.02	<0.02	
3/13/2018	0.0021 (J)	<0.02	0.0023 (J)			0.0029 (J)
9/6/2018			<0.02			
9/7/2018				<0.02	<0.02	<0.02
9/11/2018	<0.02	<0.02				
3/7/2019			<0.02		<0.02	<0.02
3/8/2019	<0.02			<0.02		
3/12/2019		<0.02				
9/4/2019						0.0052 (J)
9/5/2019	0.0064 (J)	0.0098 (J)	0.0048 (J)	0.0056 (J)	0.0045 (J)	
3/3/2020			0.0024 (J)	0.005 (J)		
3/4/2020	0.004 (J)	0.0027 (J)			0.0028 (J)	0.0029 (J)
9/4/2020				<0.02	<0.02	<0.02
9/8/2020	<0.02	<0.02	<0.02			
2/25/2021			<0.02	<0.02	<0.02	<0.02
2/26/2021	<0.02	<0.02				
7/27/2021			<0.02			
7/28/2021				<0.02	<0.02	<0.02
7/29/2021	0.01 (J)	<0.02				
1/25/2022			<0.02			
1/26/2022	<0.02	<0.02		<0.02		<0.02
1/27/2022					<0.02	
8/5/2022			<0.02			<0.02
8/8/2022	<0.02	<0.02		<0.02	<0.02	

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.072					
9/17/2014		0.0028	0.0035	0.002 (J)	0.0026	
9/18/2014						0.0023 (J)
10/4/2014	0.078	0.0038	0.0032	0.001 (J)	0.0034	
10/5/2014						0.0025
10/21/2014	0.083	0.0043	0.0028	0.00082 (J)	0.0037	
10/22/2014						0.0018 (J)
11/5/2014			0.004		0.0035	0.0019 (J)
11/11/2014	0.082	0.0041		0.00076 (J)		
3/3/2015	0.078	0.0042	0.004	<0.02	0.0036	
3/4/2015						0.0016 (J)
3/18/2015	0.075	0.0046	0.0024 (J)	0.0016 (J)		
3/19/2015					0.0035	0.0025
4/6/2015	0.071	0.0043				
4/7/2015			0.0055	<0.02	0.0039	0.0026
4/23/2015	0.072	0.0047	0.0035	<0.02		
4/24/2015					0.0034	0.0017 (J)
7/29/2015	0.072	0.0039	0.0062	<0.02	0.0038	
7/30/2015						0.0017 (J)
3/3/2016	0.0227					
3/4/2016		0.0219 (J)				
3/7/2016			0.0225 (J)	<0.02	<0.02	
3/8/2016						0.557 (o)
7/13/2016	0.0709		0.0031 (J)	0.0013 (J)		
7/14/2016		0.0111			<0.02	<0.02
3/20/2017	0.0465			<0.02		
3/21/2017		<0.02			<0.02	
3/22/2017						<0.02
3/23/2017			<0.02			
9/19/2017						0.0031 (J)
9/20/2017					0.0062 (J)	
9/21/2017	0.0302			0.0018 (J)		
9/22/2017		0.0023 (J)				
9/25/2017			0.002 (J)			
3/14/2018	0.031	0.0021 (J)	0.0036 (J)	<0.02	<0.02	<0.02
9/7/2018	<0.01			<0.02		
9/10/2018					<0.02	<0.02
9/11/2018		<0.02	<0.02			
3/11/2019	0.024					
3/12/2019		0.0038 (J)	<0.02	<0.02	<0.02	<0.02
9/6/2019				0.0046 (J)		0.00455 (JD)
9/9/2019	0.029		0.0063 (J)		0.0062 (J)	
9/10/2019		0.0055 (J)				
3/4/2020	0.015				0.0072 (J)	
3/5/2020		0.0035 (J)		0.0024 (J)		0.0023 (J)
3/6/2020			0.0045 (J)			
9/4/2020						<0.02
9/9/2020	0.037	<0.02	<0.02	<0.02	<0.02	
2/26/2021			<0.02	<0.02	<0.02	
3/9/2021	0.025					<0.02
3/10/2021		<0.02				
7/29/2021			<0.02	0.015 (J)		

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.032	<0.02				
8/2/2021						<0.02
8/5/2021					<0.02	
1/27/2022				<0.02	<0.02	<0.02
1/28/2022	0.026	<0.02	<0.02			
8/9/2022					<0.02	<0.02
8/10/2022			<0.02	<0.02		
8/11/2022	0.036 (J)	<0.02				
2/9/2023			<0.02	<0.02	<0.02	
2/10/2023	0.017 (J)	<0.02				<0.02

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				0.00054 (J)	0.004	
9/18/2014	0.0033	0.00089 (J)	0.0013 (J)			
10/4/2014				0.0008 (J)	0.0011 (J)	
10/5/2014	0.0036	0.0016 (J)	0.00085 (J)			
10/22/2014	0.0038	0.0017 (J)	0.0014 (J)			
10/23/2014				<0.02	0.0011 (J)	
11/5/2014	0.0046	0.0038	0.0022 (J)			
11/10/2014				<0.02	0.0028	
3/4/2015	0.0029	0.002 (J)	0.0033	<0.02	<0.02	
3/19/2015	0.0027	0.0025				
3/20/2015			0.002 (J)	<0.02	<0.02	
4/8/2015	0.0039	0.0018 (J)	0.004	0.0016 (J)		
4/9/2015					<0.02	
4/23/2015			0.002 (J)	<0.02	<0.02	
4/24/2015	0.0035	0.0016 (J)				
7/30/2015	0.0027	<0.02	<0.02	<0.02	<0.02	
3/4/2016				0.00374 (J)		
3/7/2016		<0.02				
3/8/2016	0.00273 (J)				0.00198 (J)	
3/9/2016			<0.02			
7/12/2016				<0.02		
7/14/2016		<0.02				
7/15/2016	<0.02		<0.02			
7/18/2016					<0.02	
3/16/2017					0.0026 (J)	
3/20/2017		0.0075 (J)		<0.02		
3/21/2017	<0.02					
3/22/2017			<0.02			
9/19/2017	0.0022 (J)	<0.02		0.0028 (J)	<0.02	
9/21/2017			0.0034 (J)			
3/13/2018		<0.02		0.0068 (J)	<0.02	
3/14/2018	0.0049 (J)		<0.02			
9/7/2018		<0.02				
9/10/2018	<0.02					
9/11/2018			<0.02	<0.02	<0.02	
3/8/2019				<0.02	<0.02	
3/11/2019	0.0034 (J)	0.0021 (J)				
3/12/2019			<0.02			
9/5/2019		0.0053 (J)		0.00675 (JD)	0.0053 (J)	
9/6/2019	0.045		0.0059 (J)			
3/3/2020	0.0044 (J)	0.0029 (J)		0.0033 (J)	0.0027 (J)	
3/5/2020			0.0084 (J)			
9/4/2020					<0.02	
9/8/2020	0.0063 (J)	0.0037 (J)				
9/9/2020			<0.02	0.0048 (J)		
3/9/2021	<0.02	<0.02		0.0063 (J)	<0.02	
3/10/2021			<0.02			
7/29/2021				<0.02		
7/30/2021			<0.02			
8/2/2021	<0.02	<0.02			<0.02	
1/27/2022		<0.02			<0.02	
1/28/2022	<0.02		0.0099 (J)	<0.02		

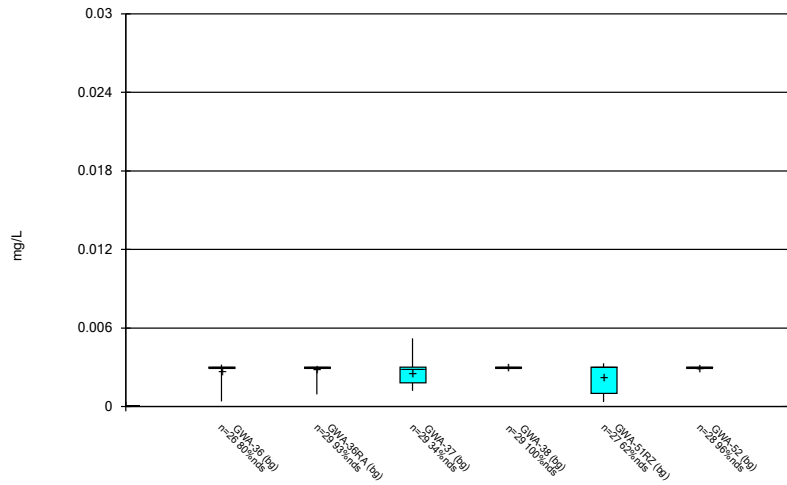
Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						0.011 (J)
8/9/2022				<0.02	<0.02	
8/10/2022	0.016 (J)	<0.02				
8/11/2022			<0.02			
2/8/2023						0.017 (J)
2/9/2023	0.012 (J)	<0.02		<0.02	<0.02	
2/10/2023			<0.02			

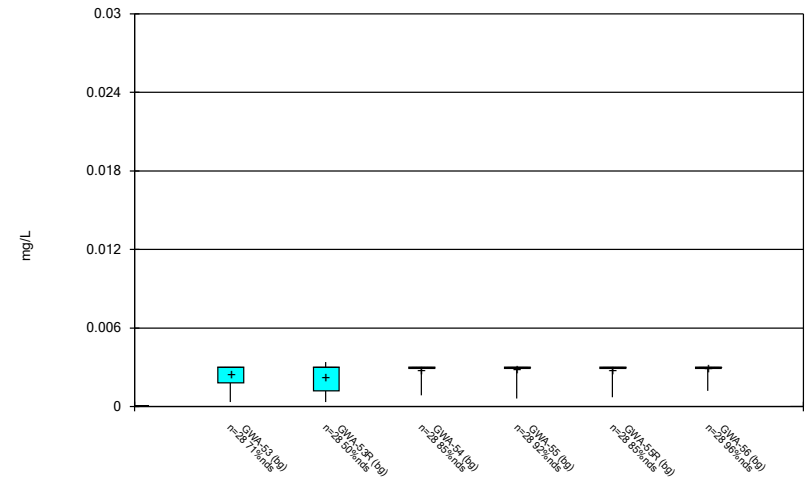
FIGURE B.

Box & Whiskers Plot



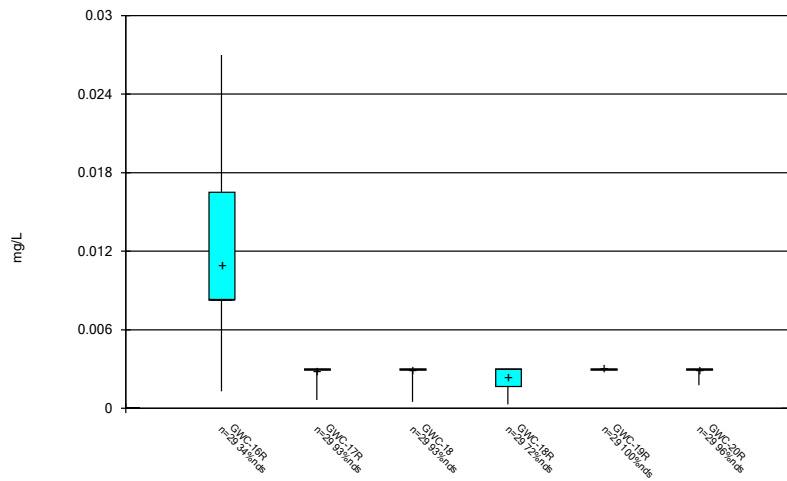
Constituent: Antimony Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



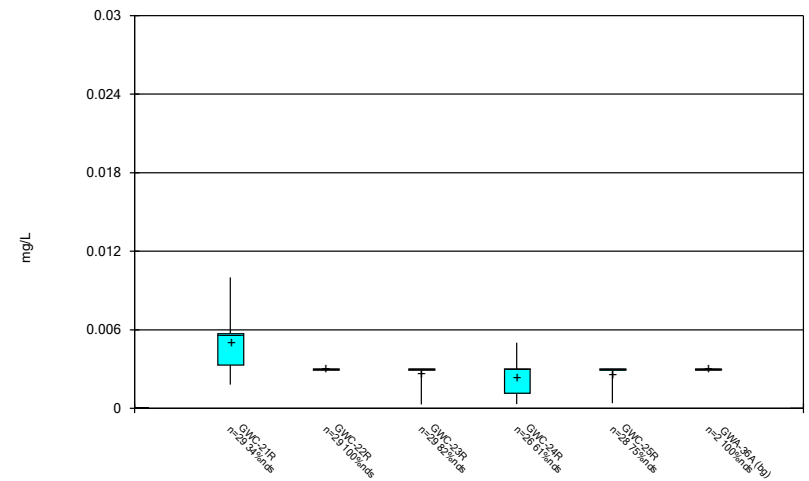
Constituent: Antimony Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



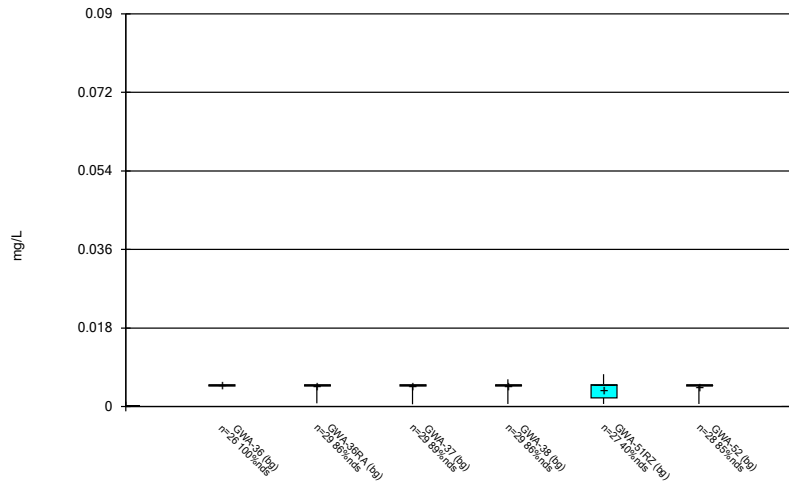
Constituent: Antimony Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



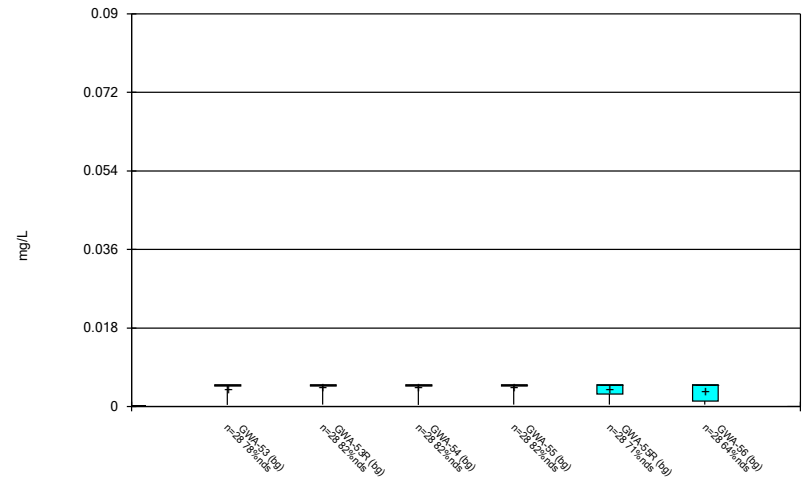
Constituent: Antimony Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



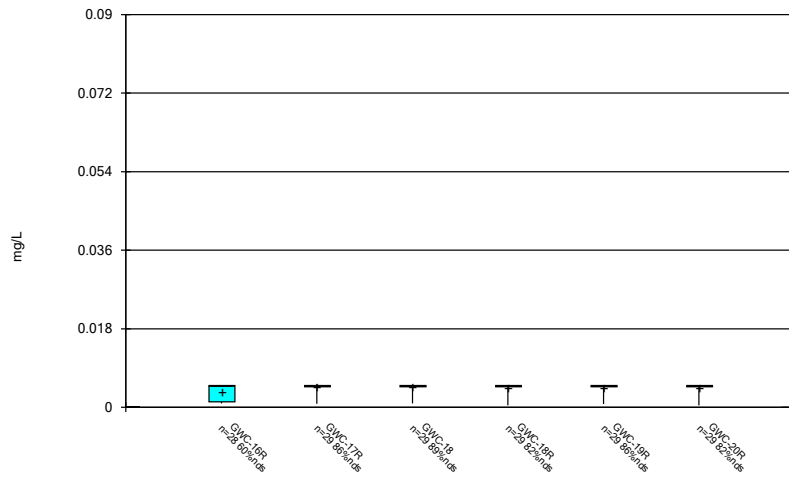
Constituent: Arsenic Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



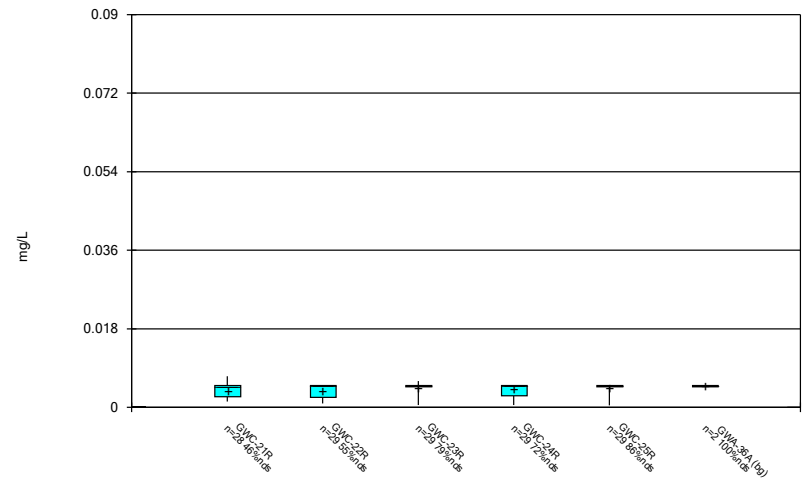
Constituent: Arsenic Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



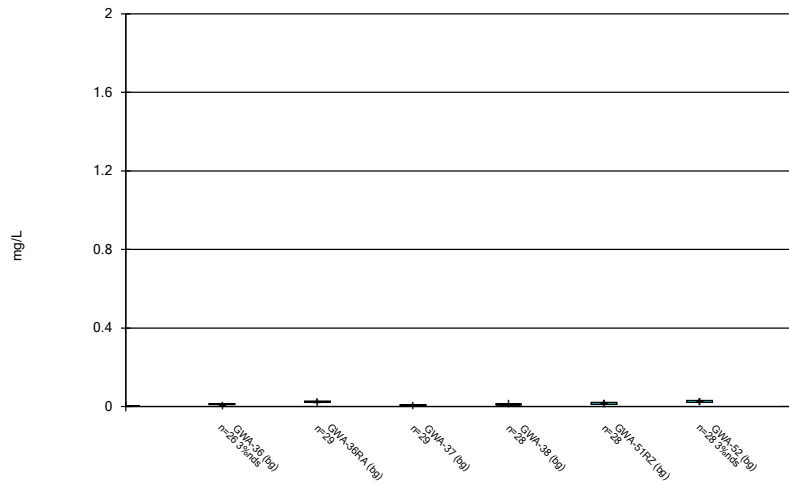
Constituent: Arsenic Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



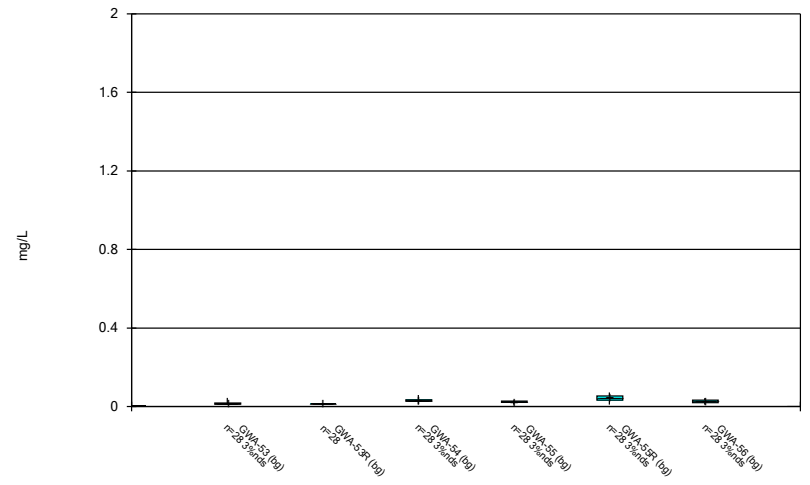
Constituent: Arsenic Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



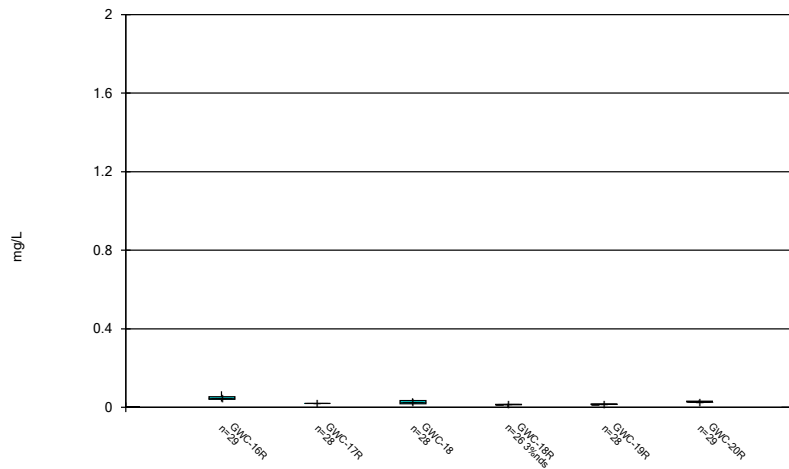
Constituent: Barium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



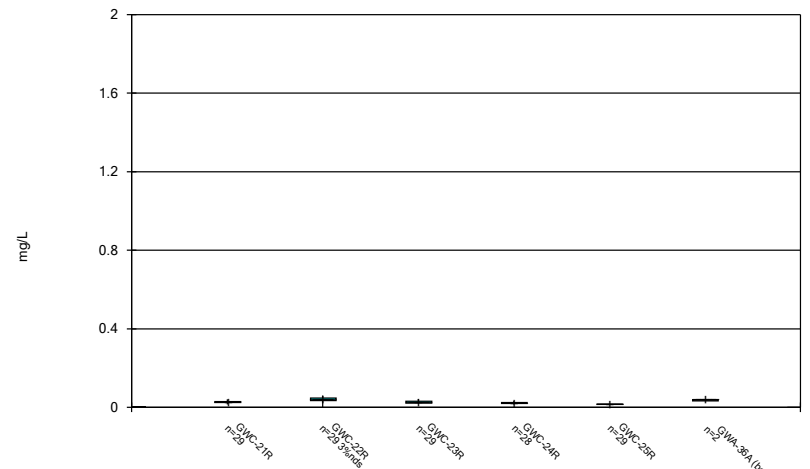
Constituent: Barium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



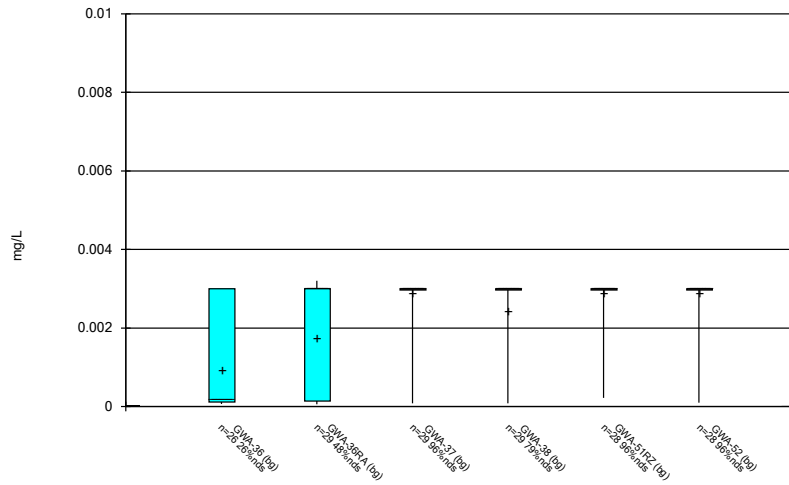
Constituent: Barium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



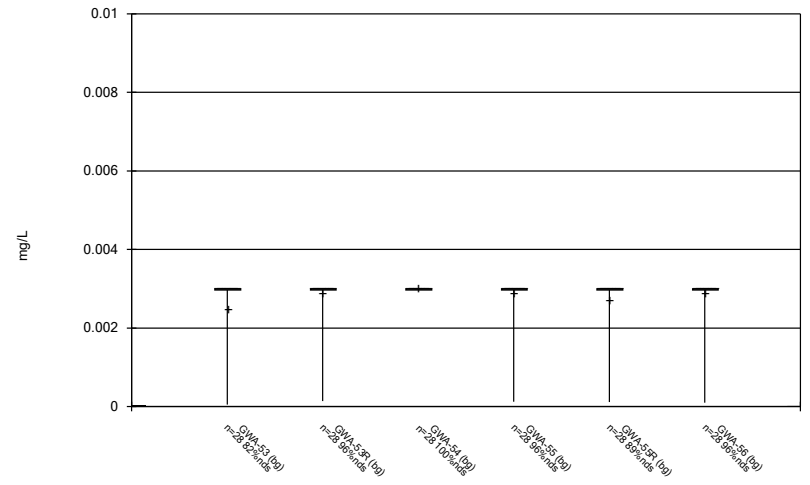
Constituent: Barium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



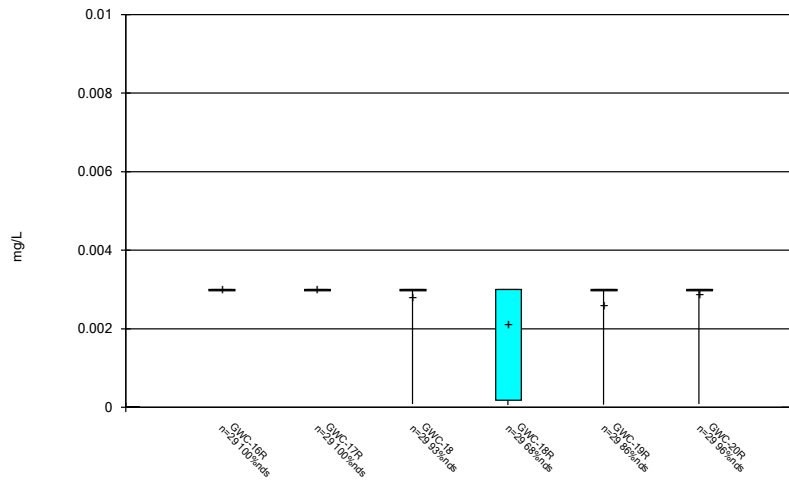
Constituent: Beryllium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



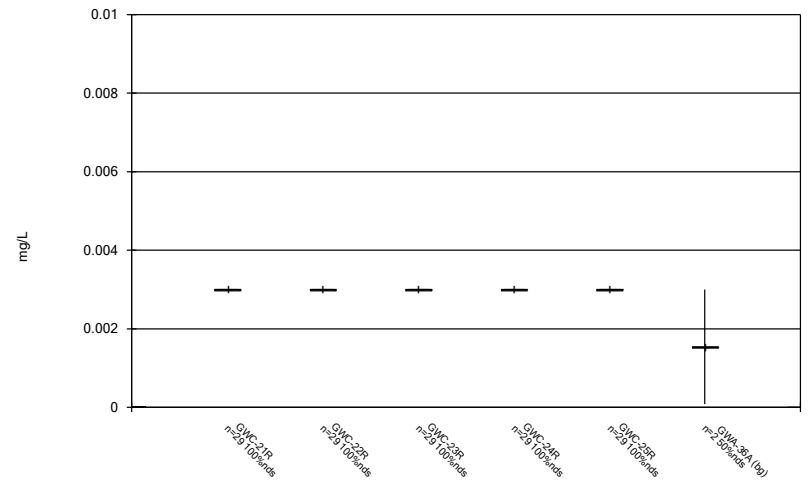
Constituent: Beryllium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



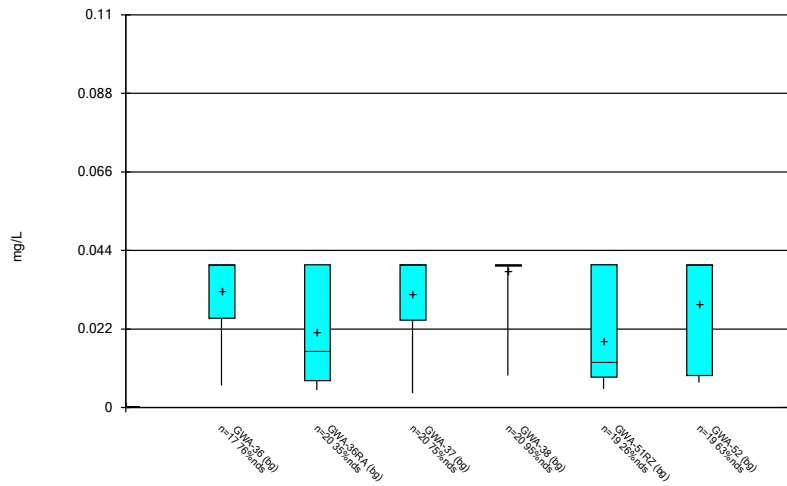
Constituent: Beryllium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



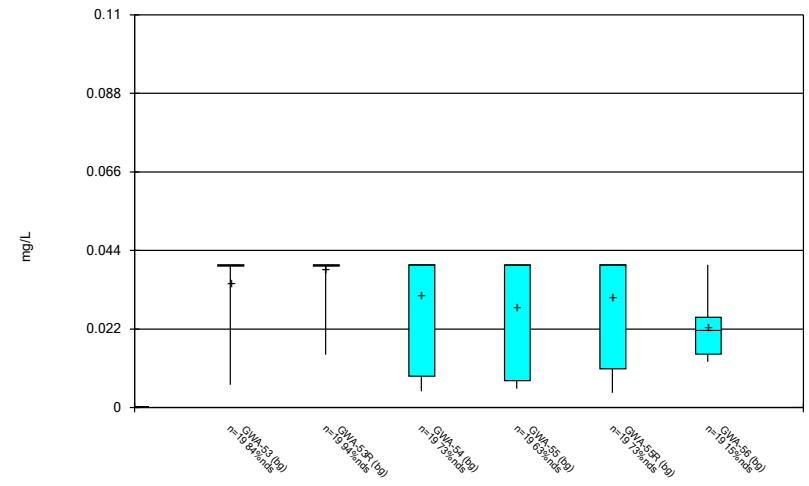
Constituent: Beryllium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



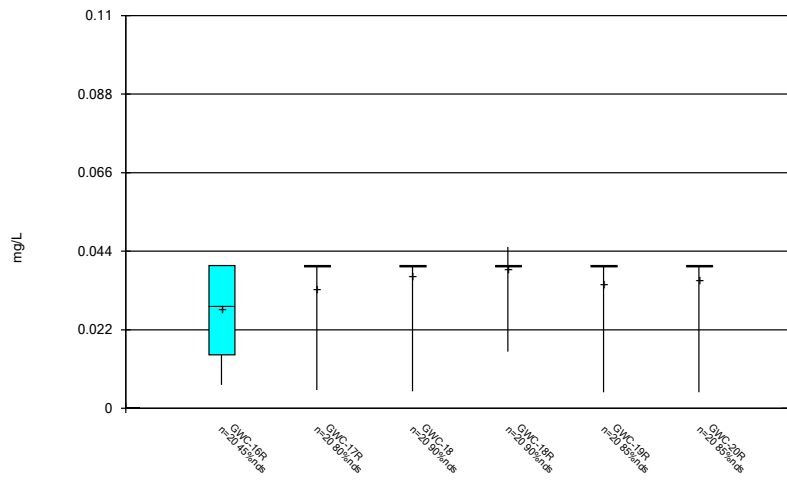
Constituent: Boron Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



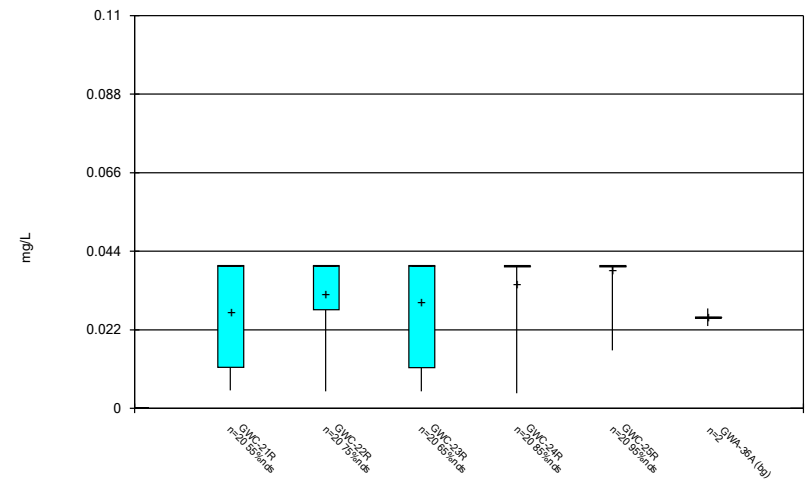
Constituent: Boron Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



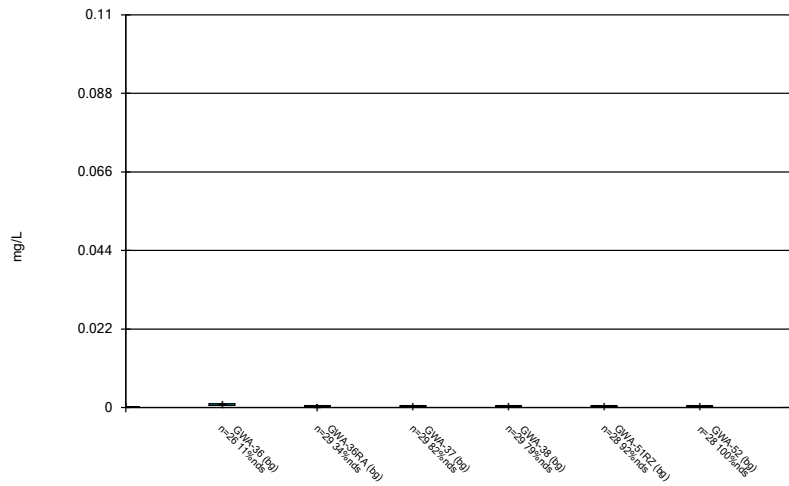
Constituent: Boron Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



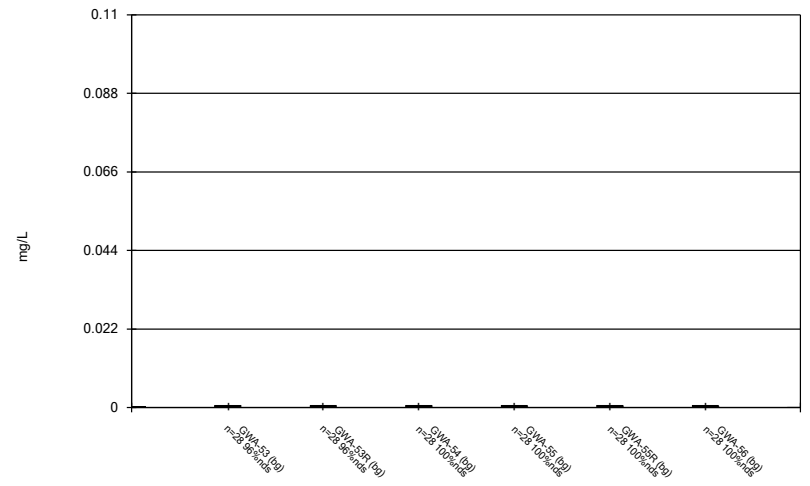
Constituent: Boron Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



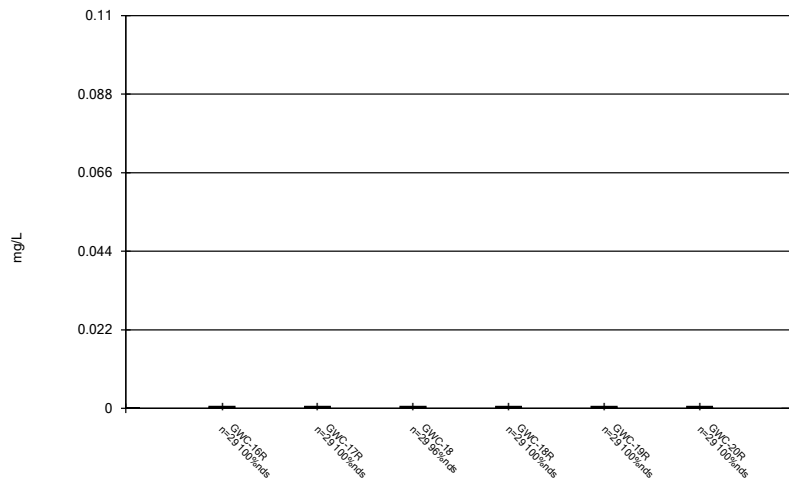
Constituent: Cadmium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



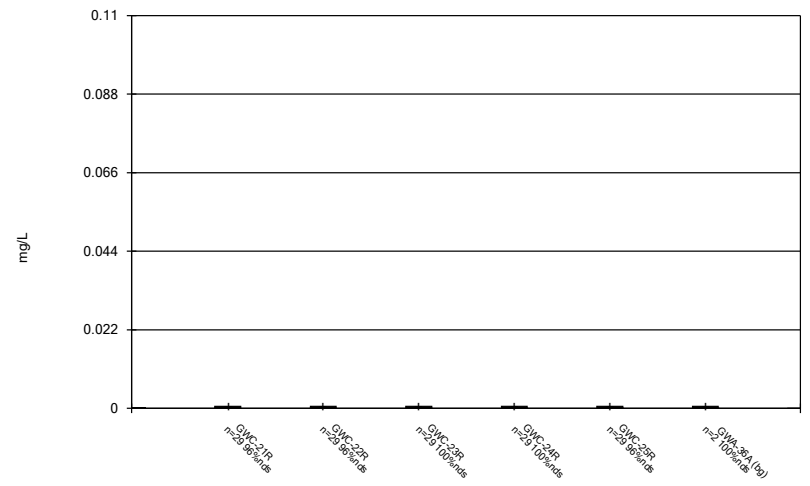
Constituent: Cadmium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



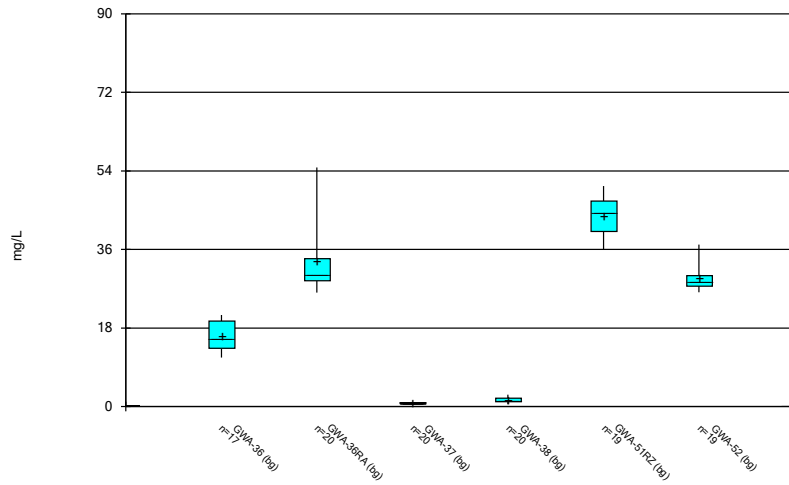
Constituent: Cadmium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



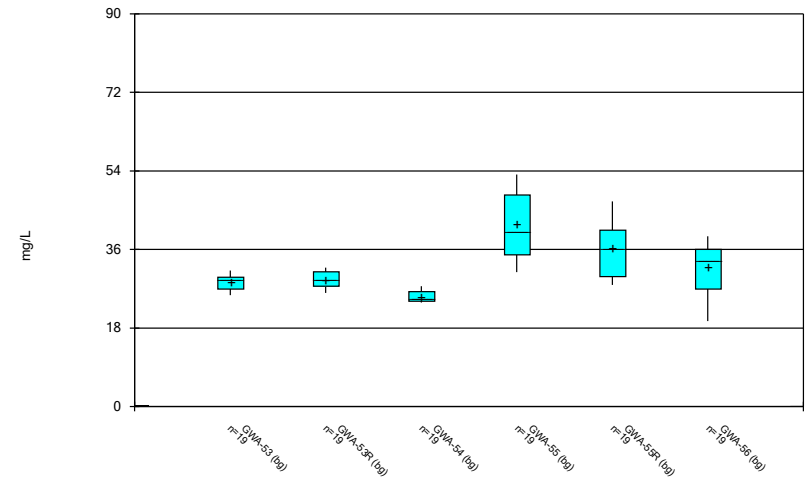
Constituent: Cadmium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



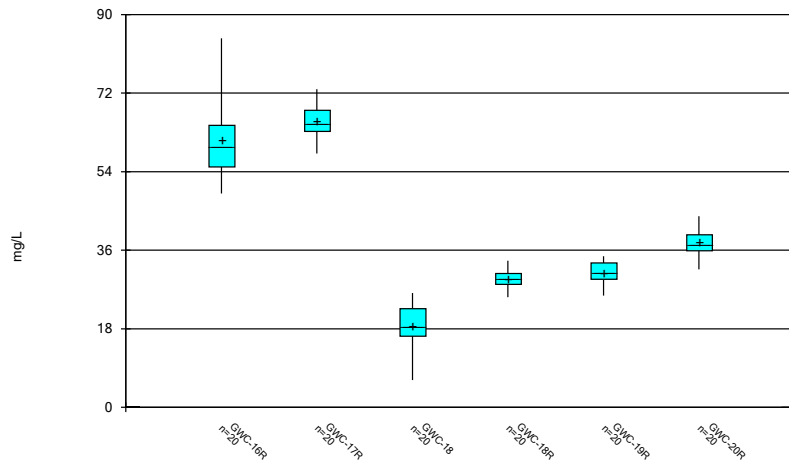
Constituent: Calcium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



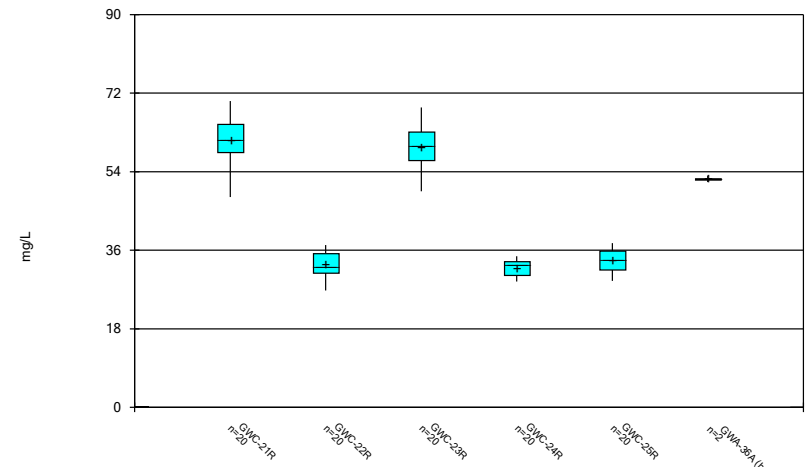
Constituent: Calcium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



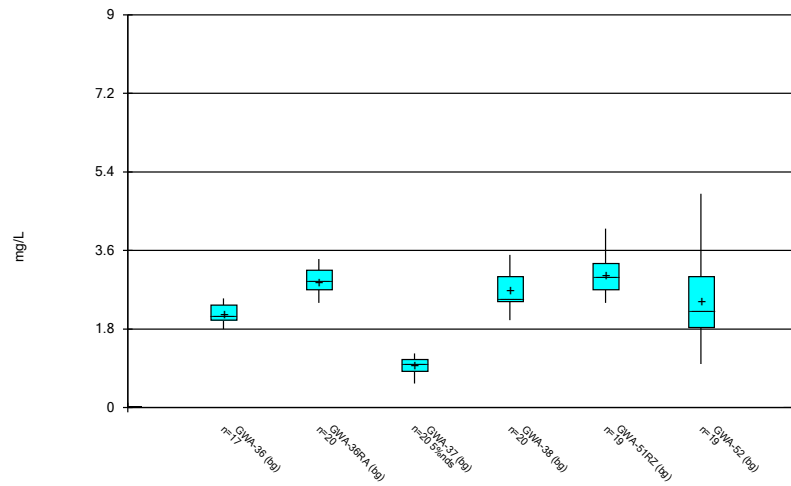
Constituent: Calcium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



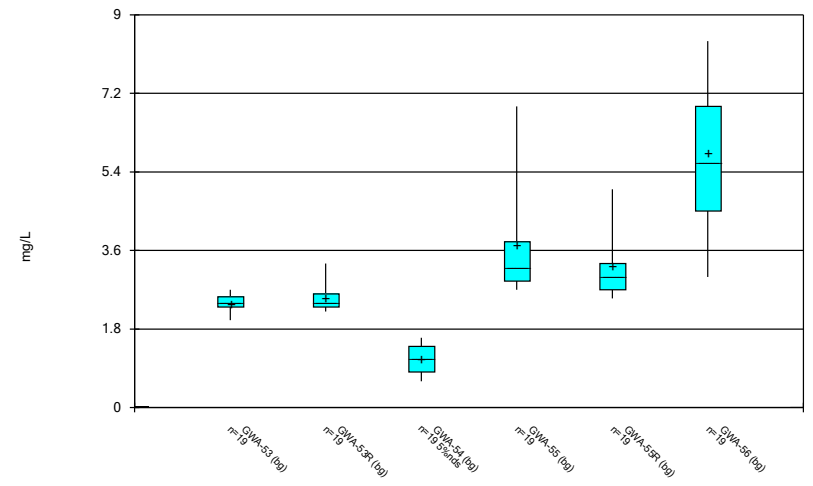
Constituent: Calcium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



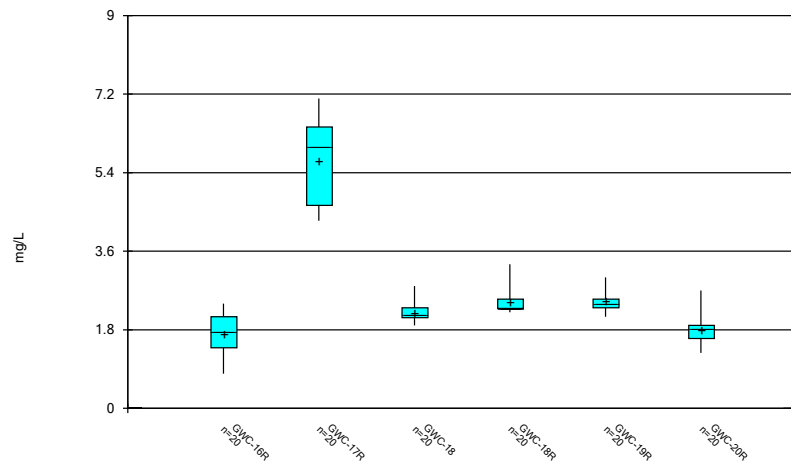
Constituent: Chloride Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



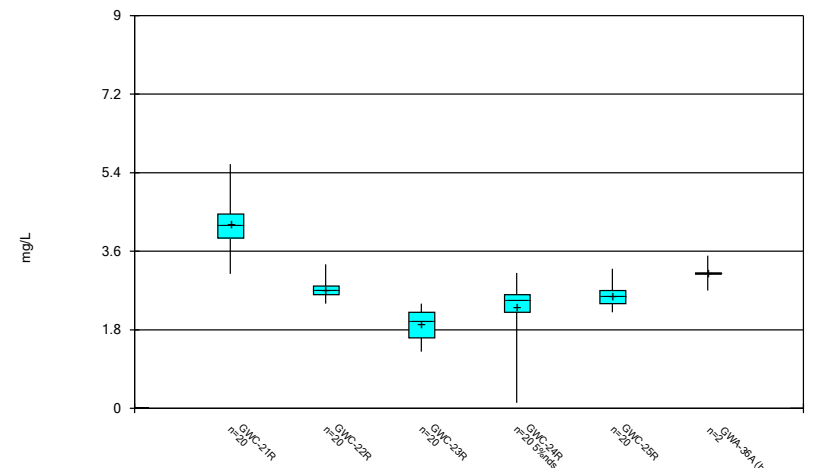
Constituent: Chloride Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



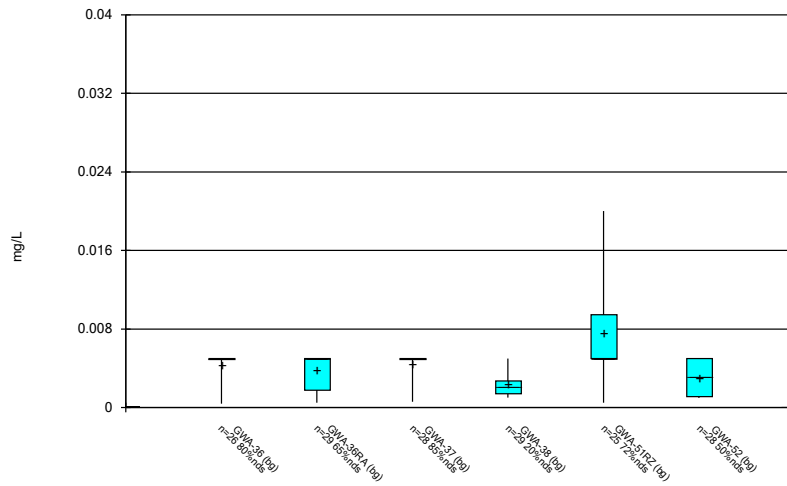
Constituent: Chloride Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



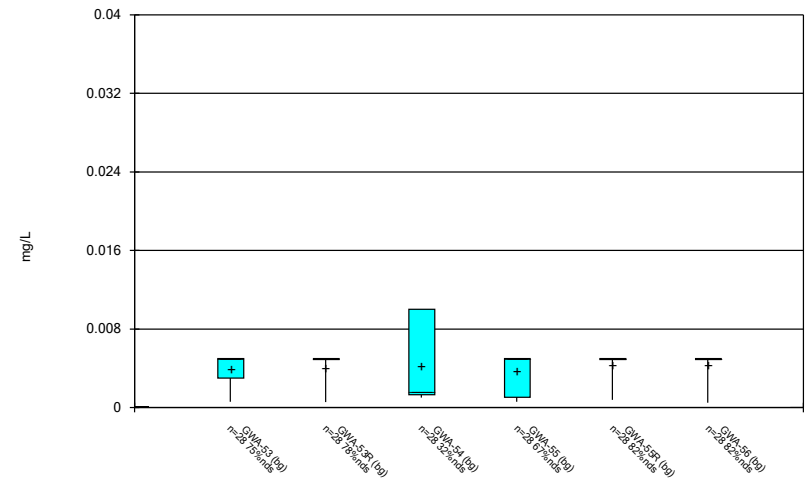
Constituent: Chloride Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



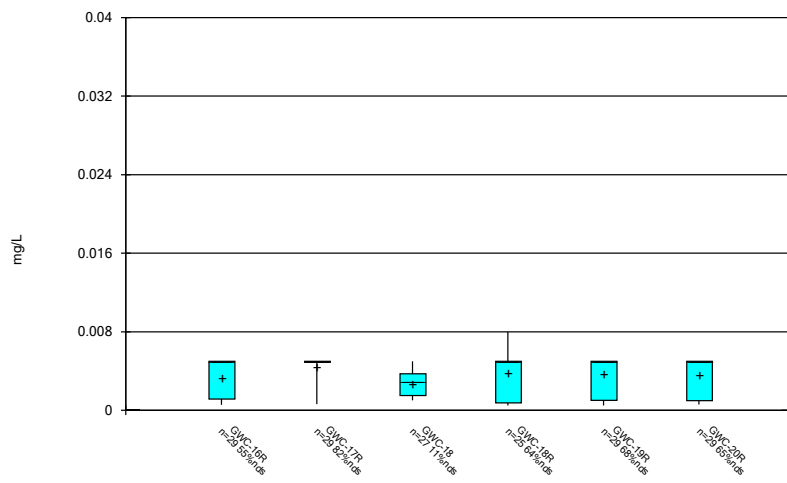
Constituent: Chromium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



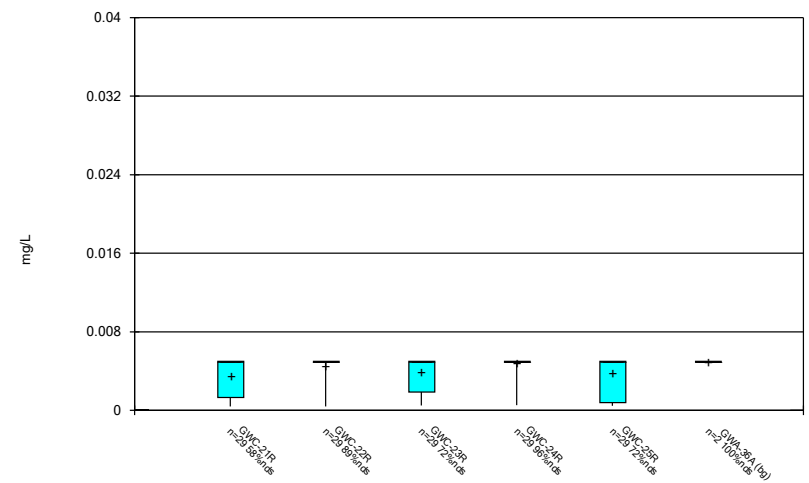
Constituent: Chromium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



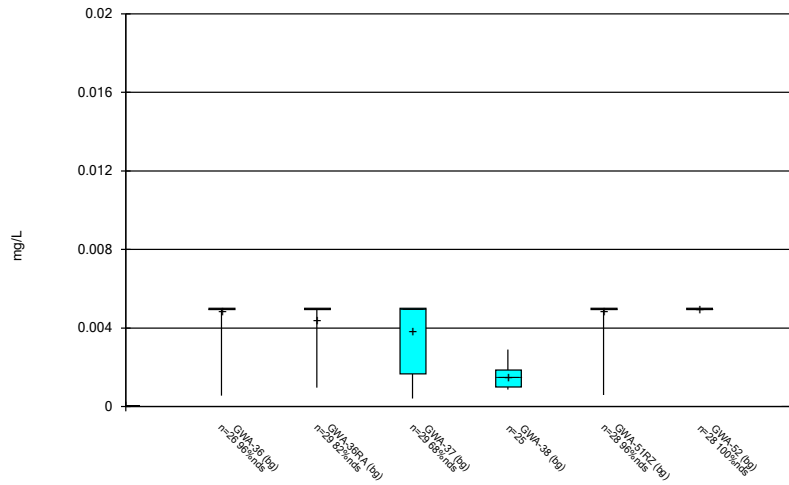
Constituent: Chromium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



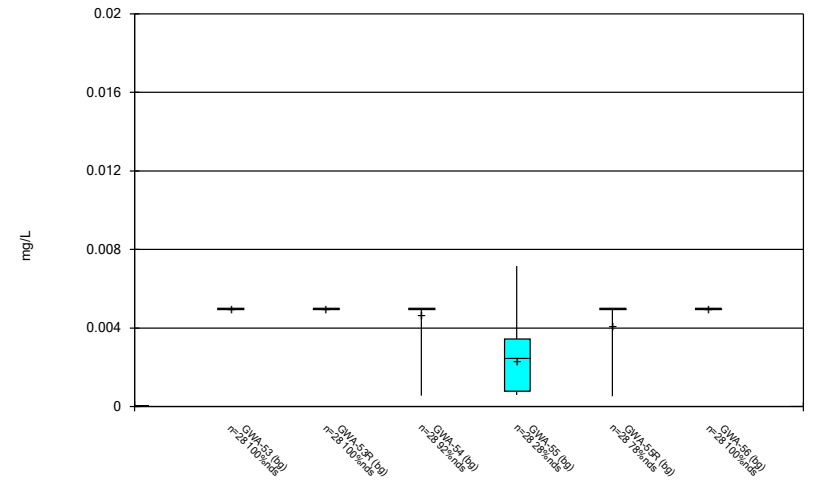
Constituent: Chromium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



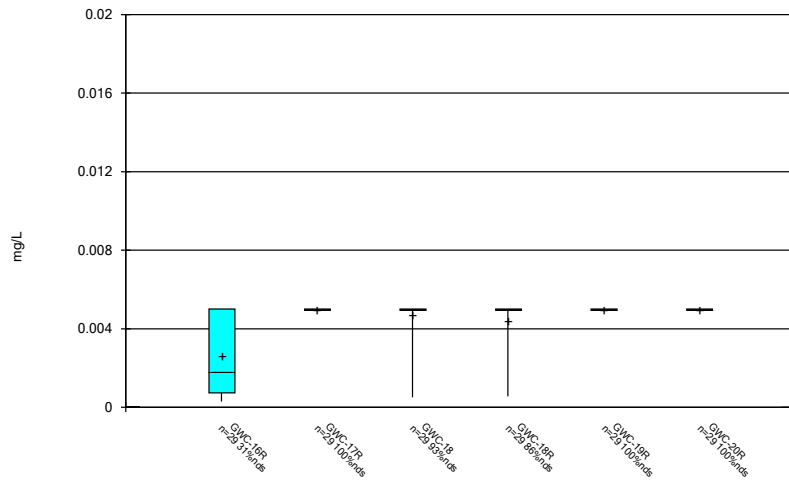
Constituent: Cobalt Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



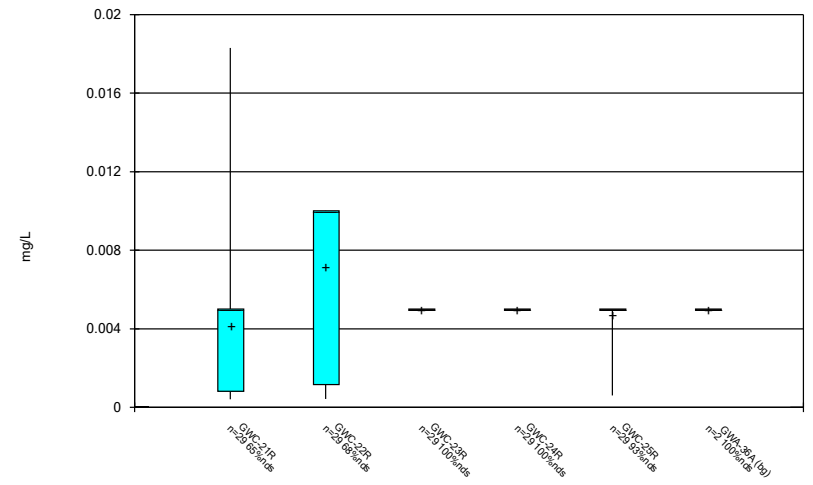
Constituent: Cobalt Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



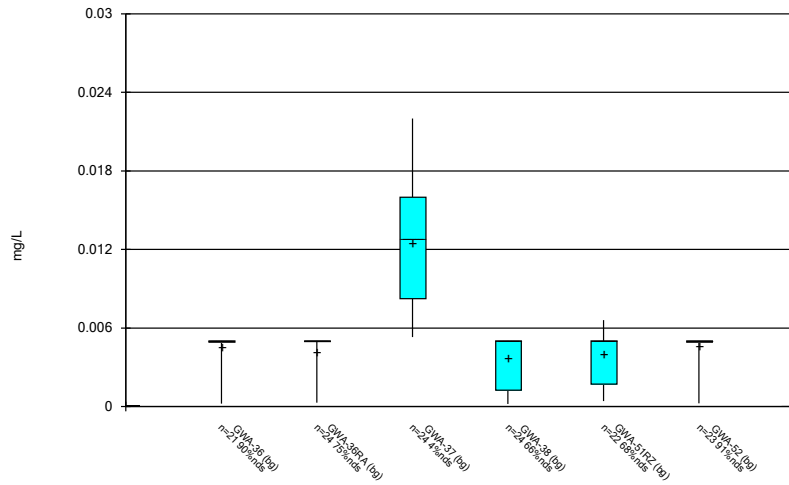
Constituent: Cobalt Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



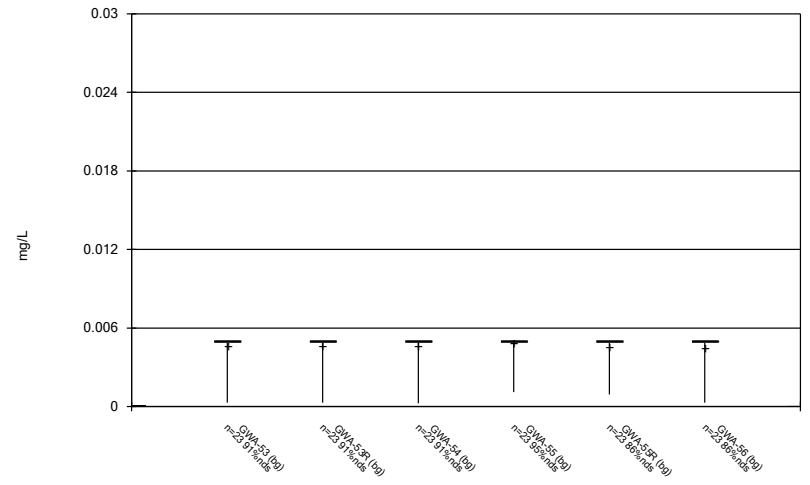
Constituent: Cobalt Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



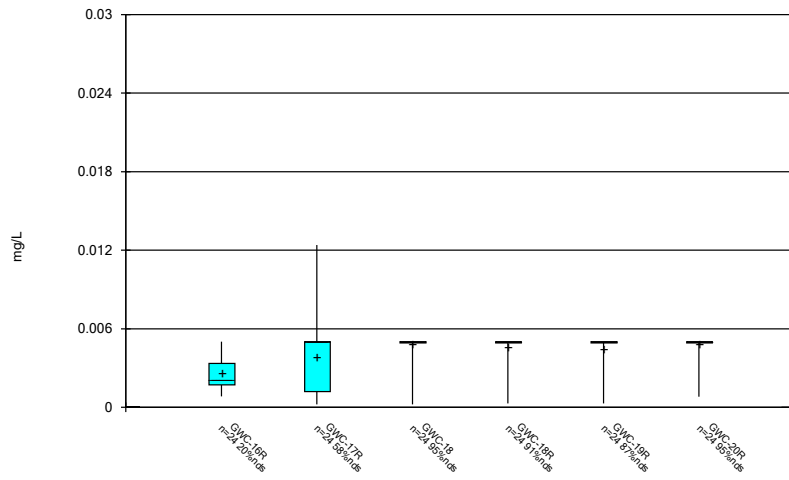
Constituent: Copper Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



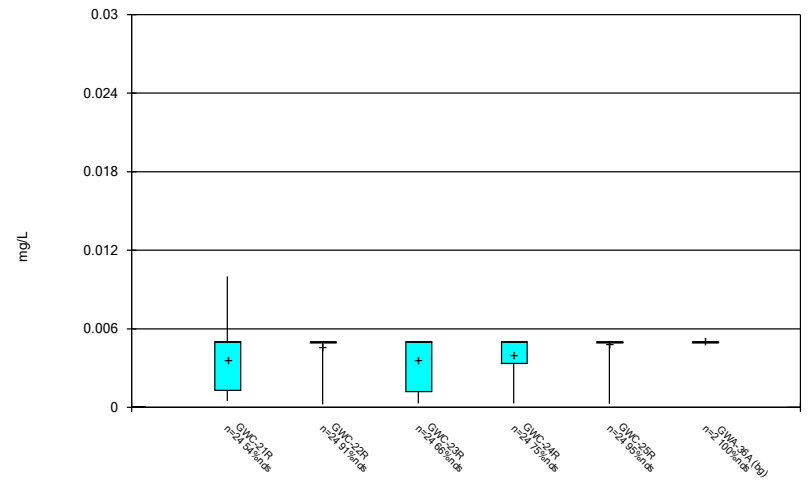
Constituent: Copper Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



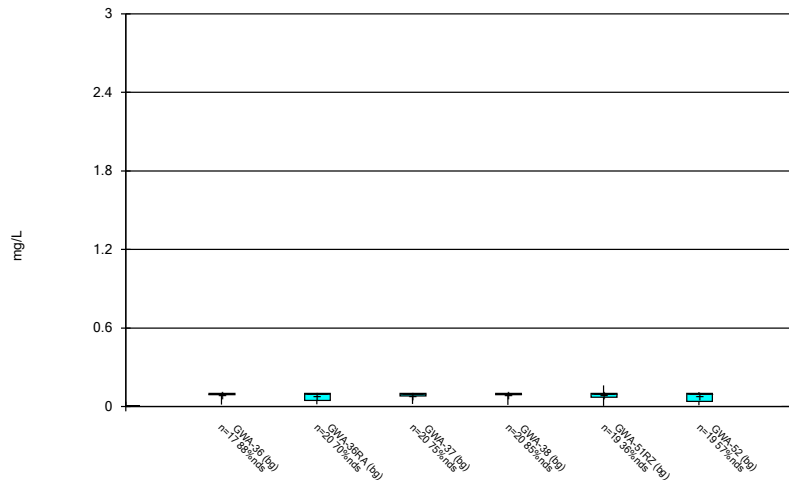
Constituent: Copper Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



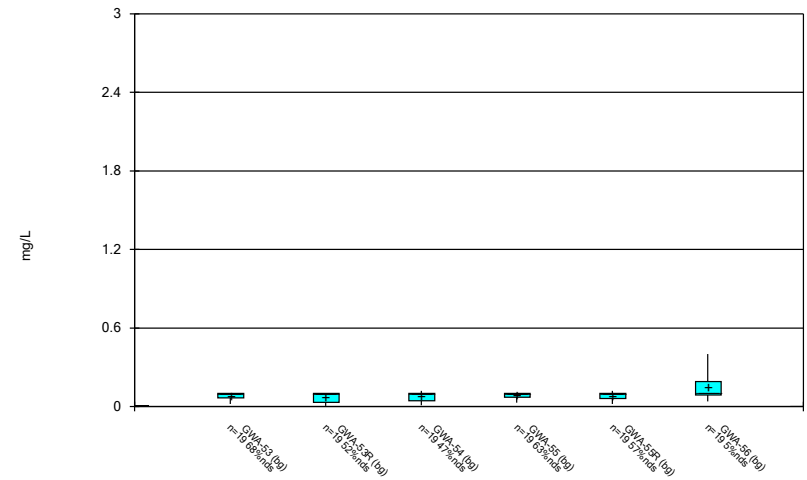
Constituent: Copper Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



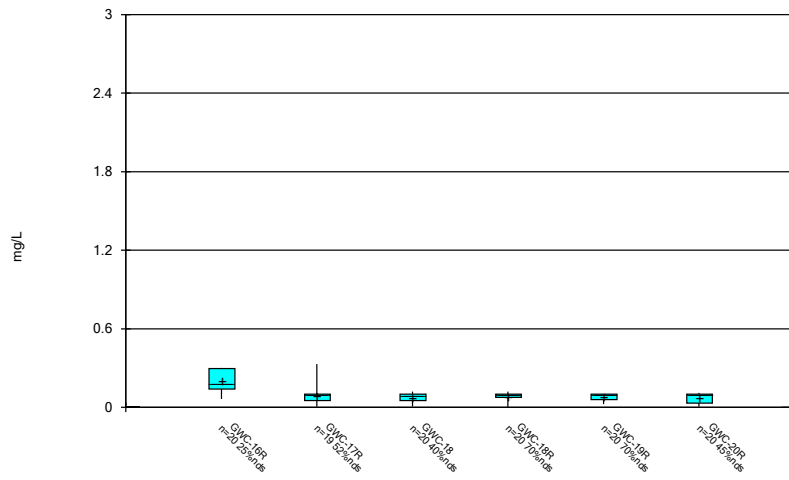
Constituent: Fluoride Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



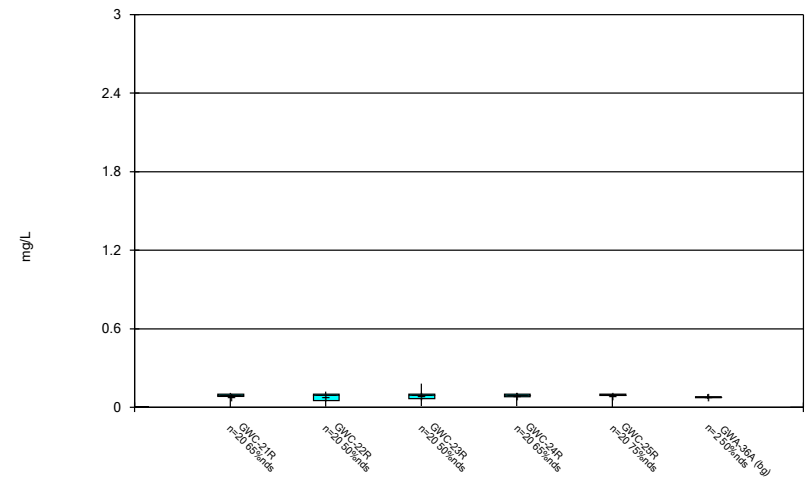
Constituent: Fluoride Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



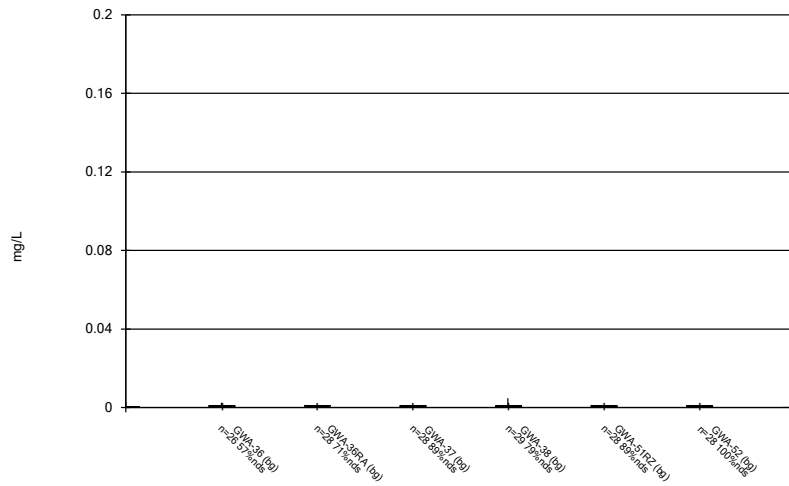
Constituent: Fluoride Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



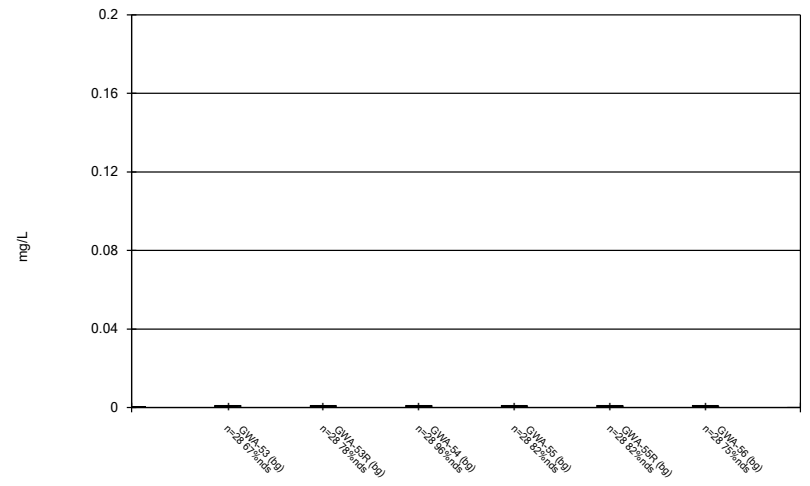
Constituent: Fluoride Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



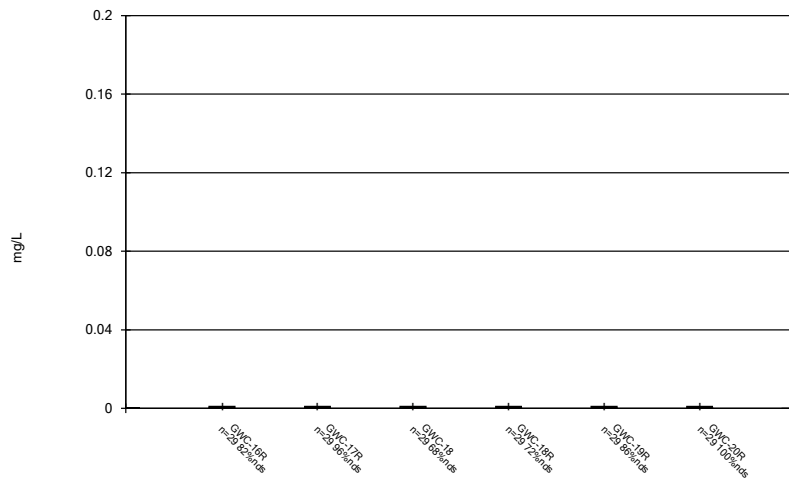
Constituent: Lead Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



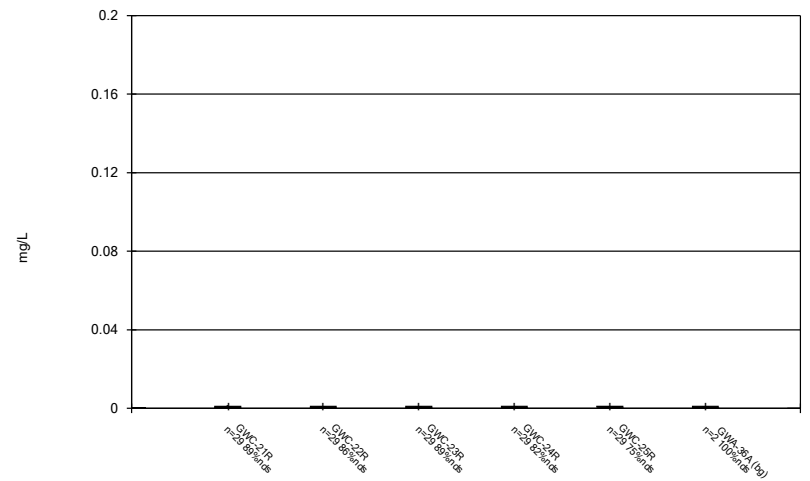
Constituent: Lead Analysis Run 3/22/2023 3:05 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



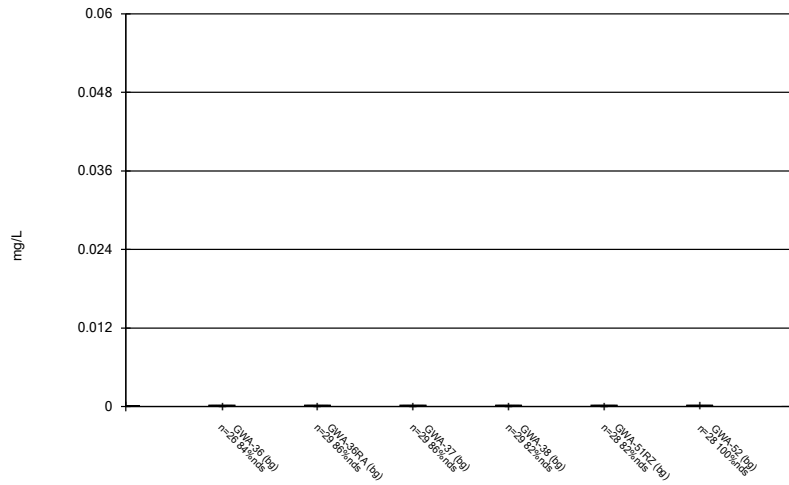
Constituent: Lead Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



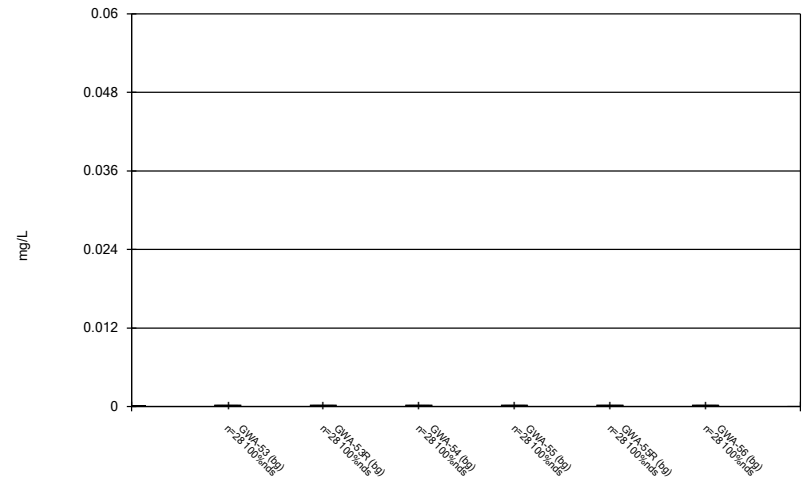
Constituent: Lead Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



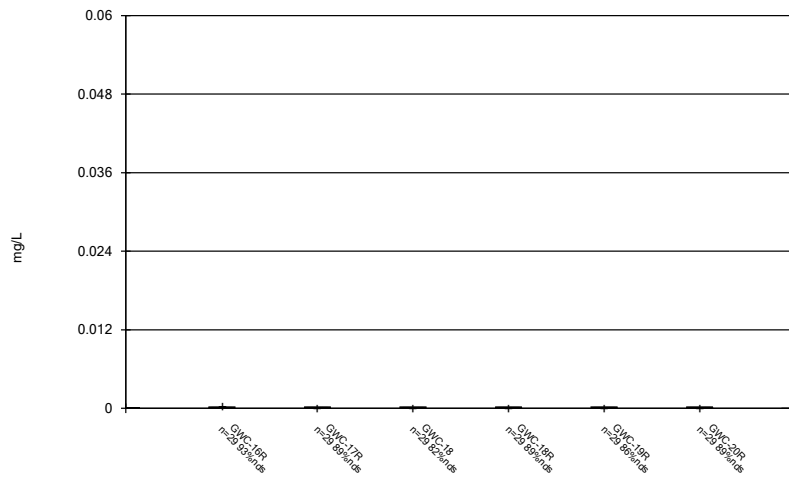
Constituent: Mercury Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



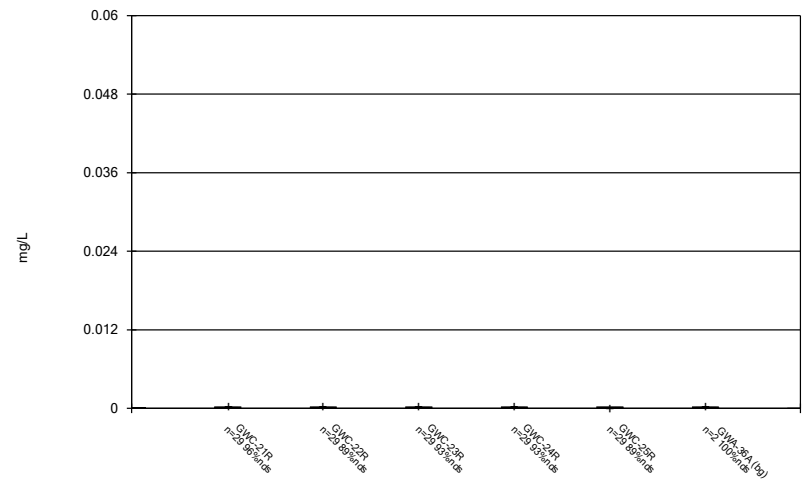
Constituent: Mercury Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



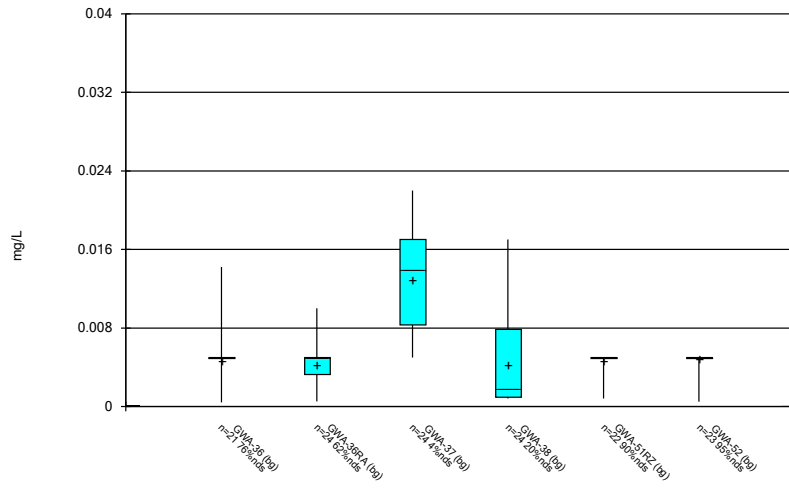
Constituent: Mercury Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



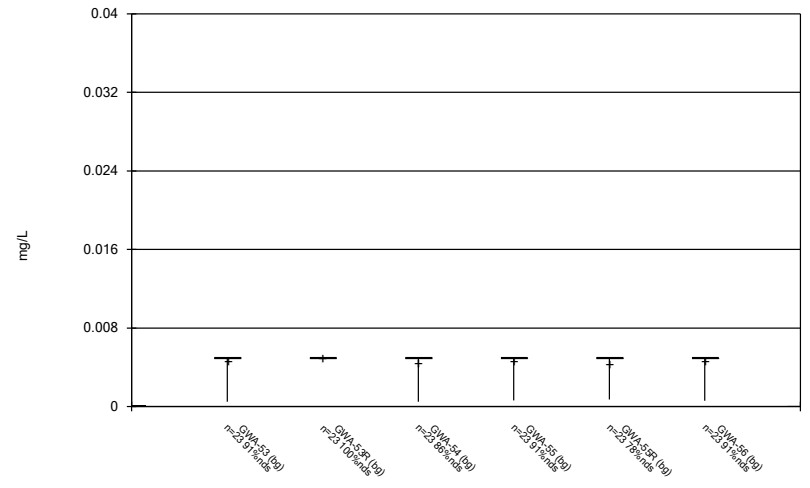
Constituent: Mercury Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



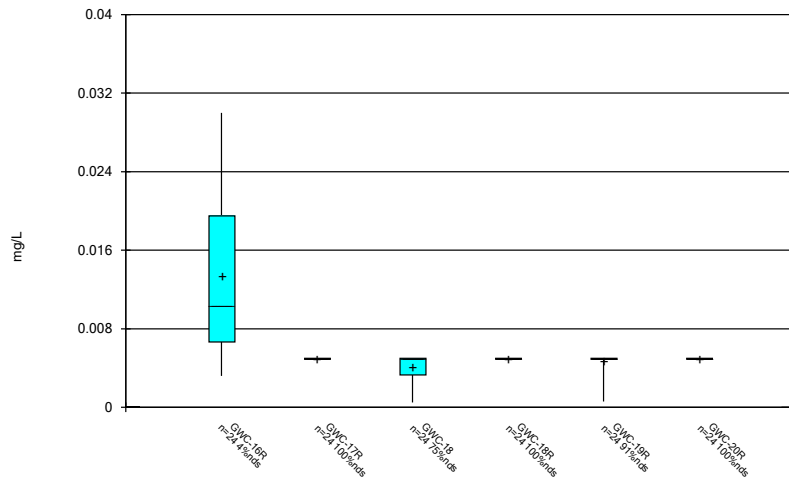
Constituent: Nickel Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



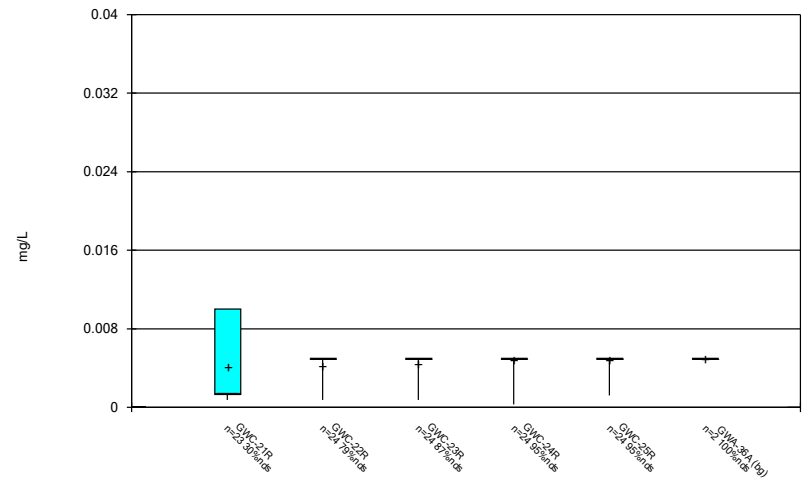
Constituent: Nickel Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



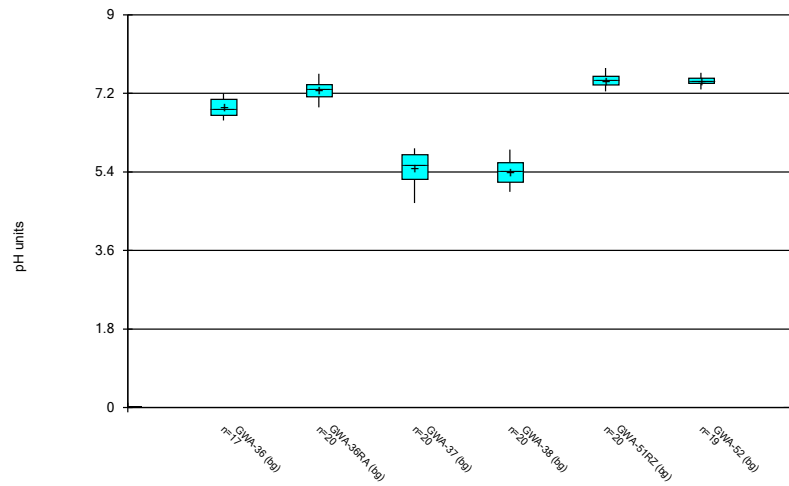
Constituent: Nickel Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



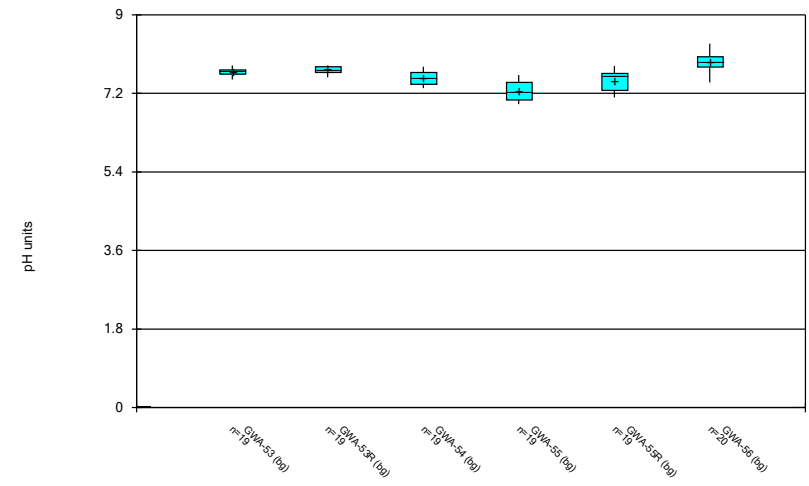
Constituent: Nickel Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



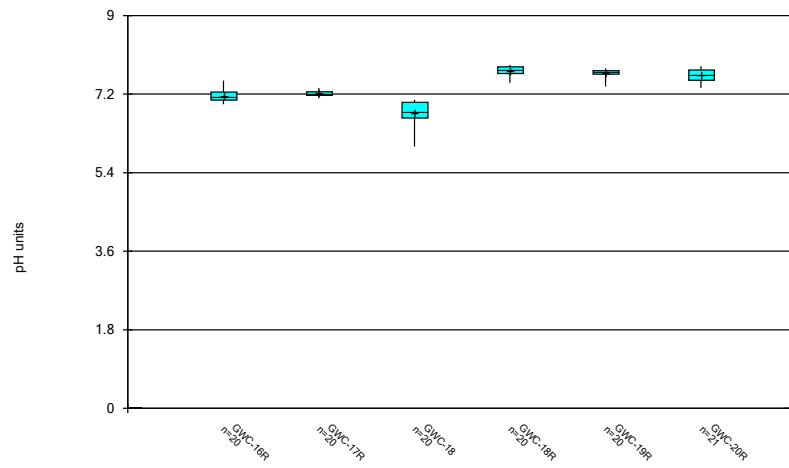
Constituent: pH Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



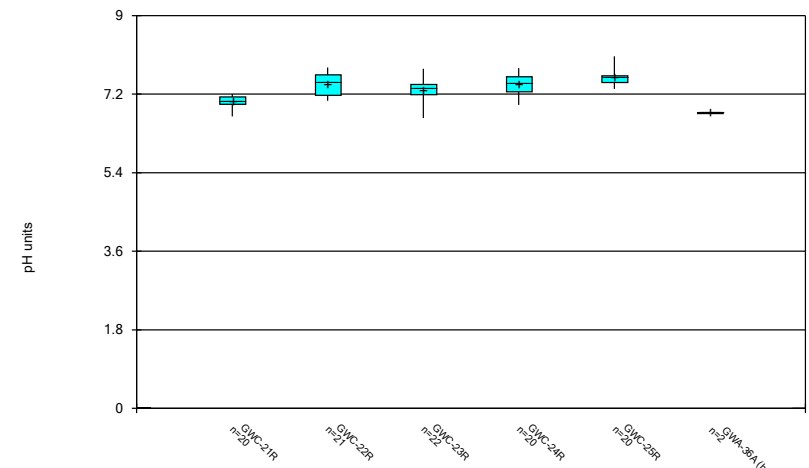
Constituent: pH Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



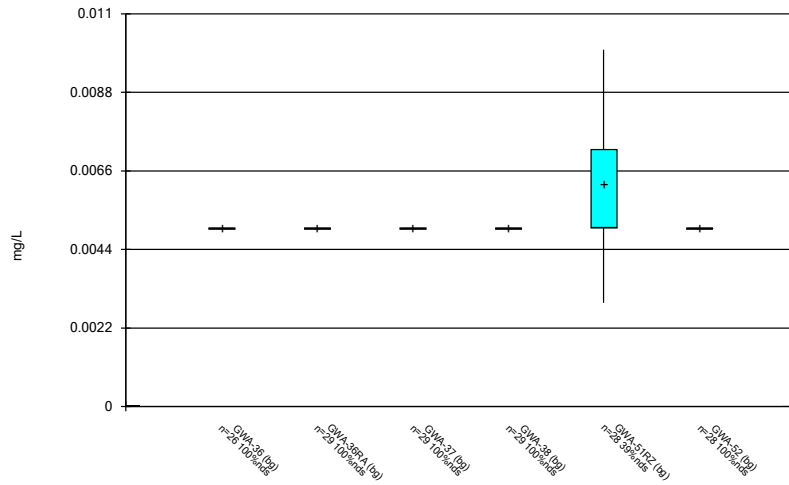
Constituent: pH Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



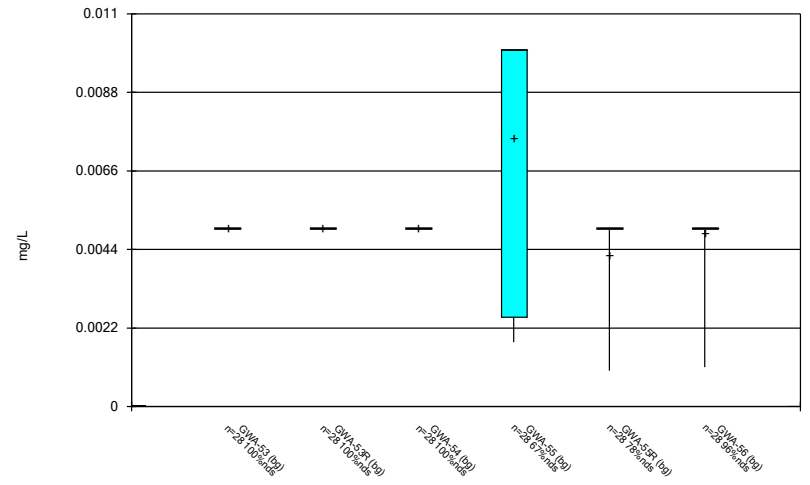
Constituent: pH Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



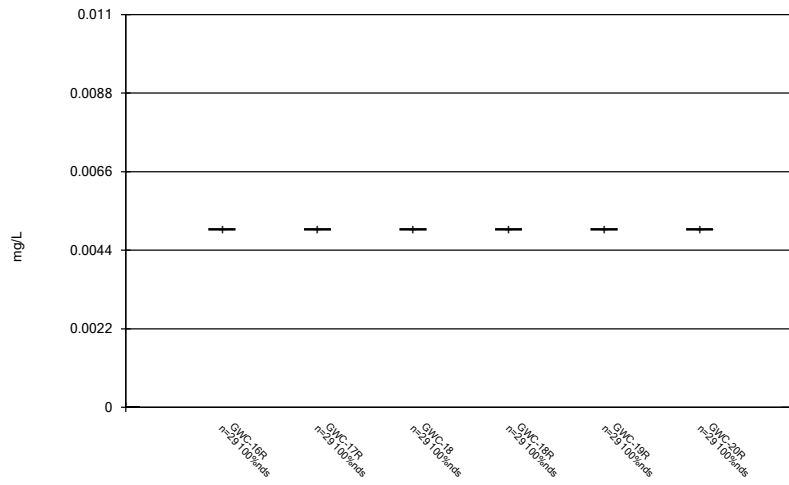
Constituent: Selenium Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



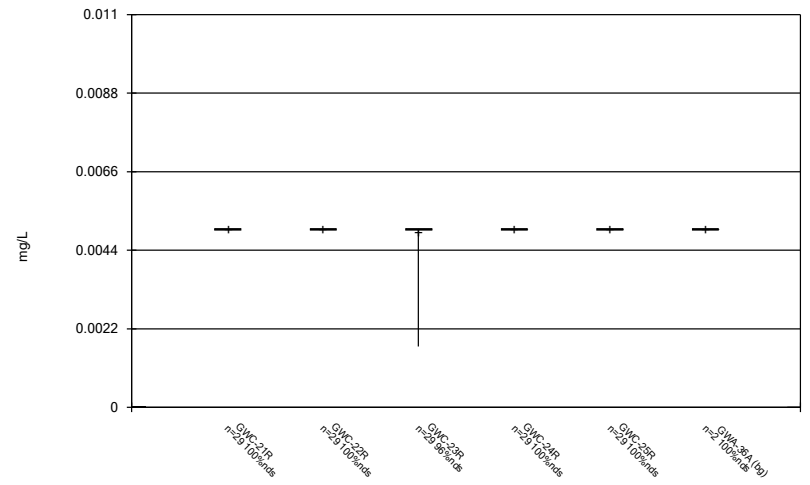
Constituent: Selenium Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



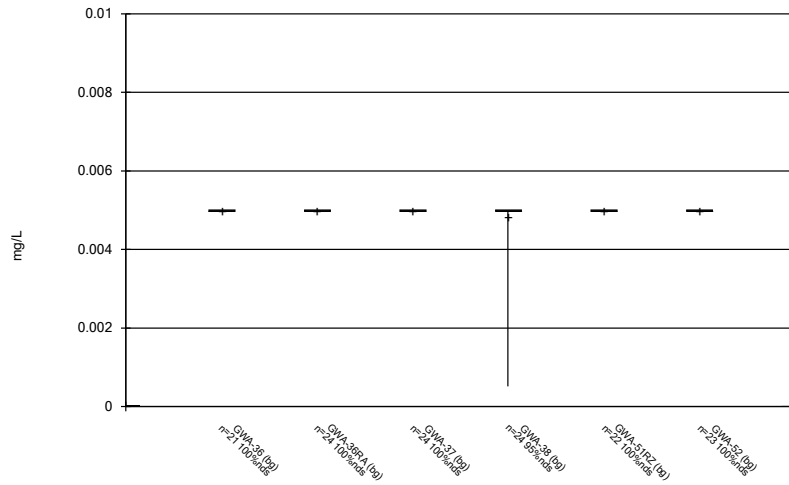
Constituent: Selenium Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



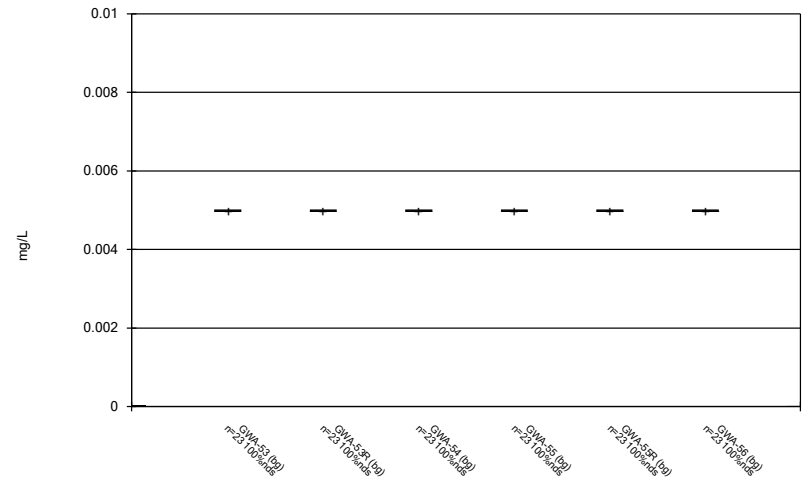
Constituent: Selenium Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



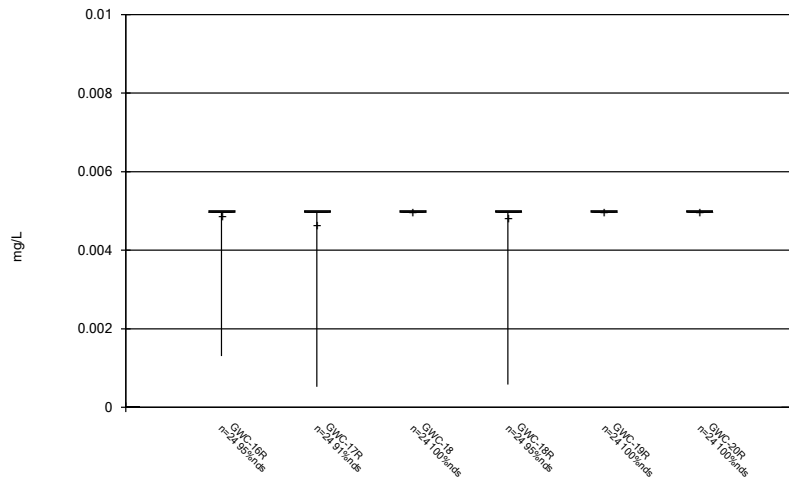
Constituent: Silver Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



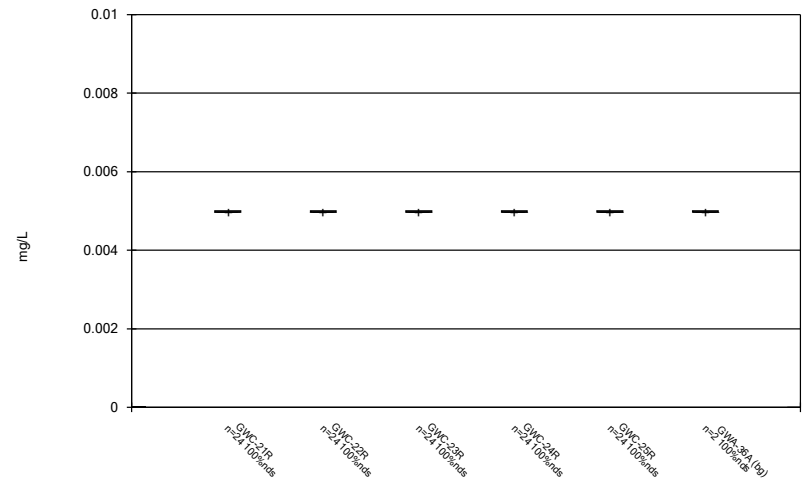
Constituent: Silver Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



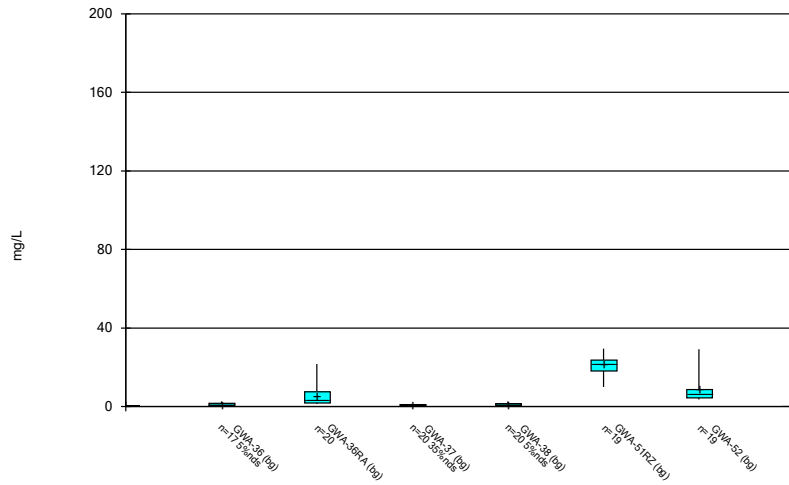
Constituent: Silver Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



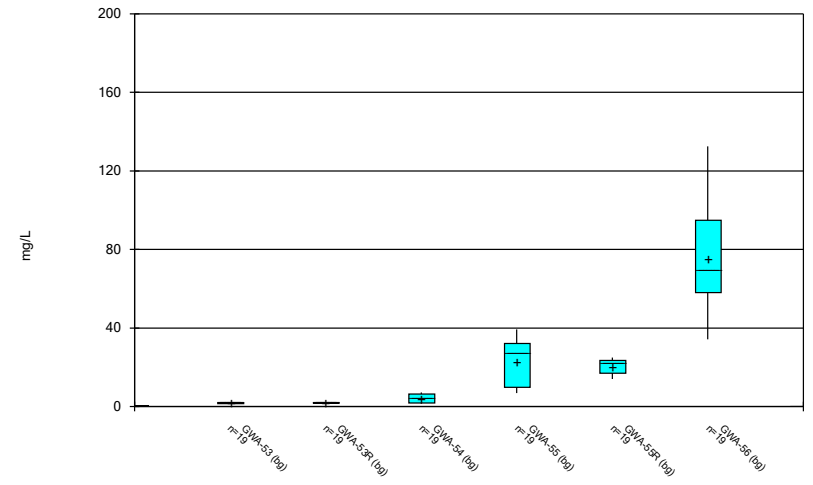
Constituent: Silver Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



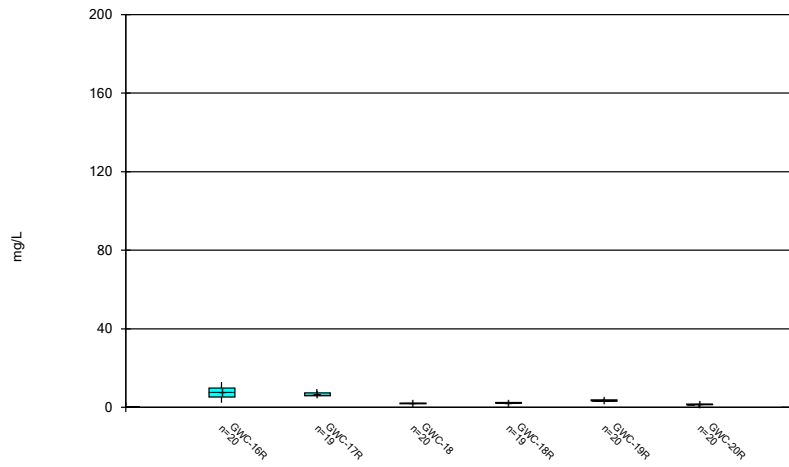
Constituent: Sulfate Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



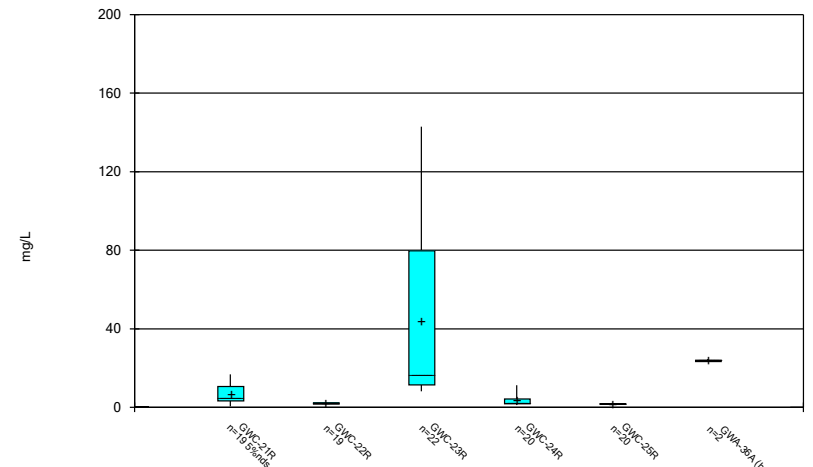
Constituent: Sulfate Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



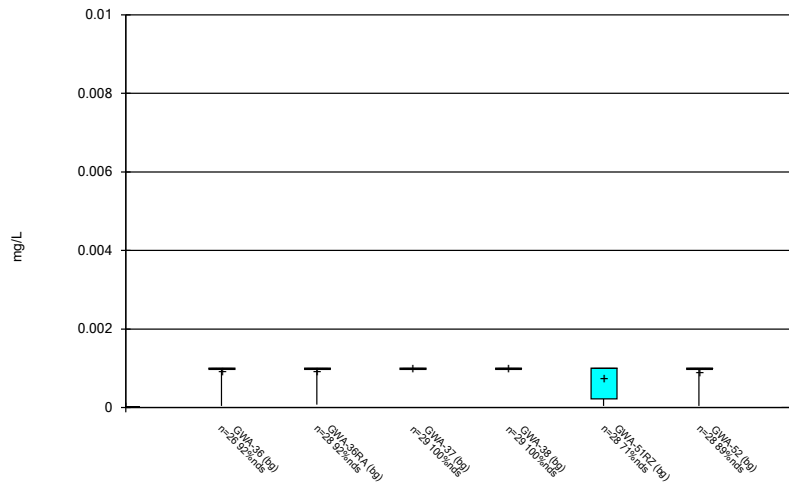
Constituent: Sulfate Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



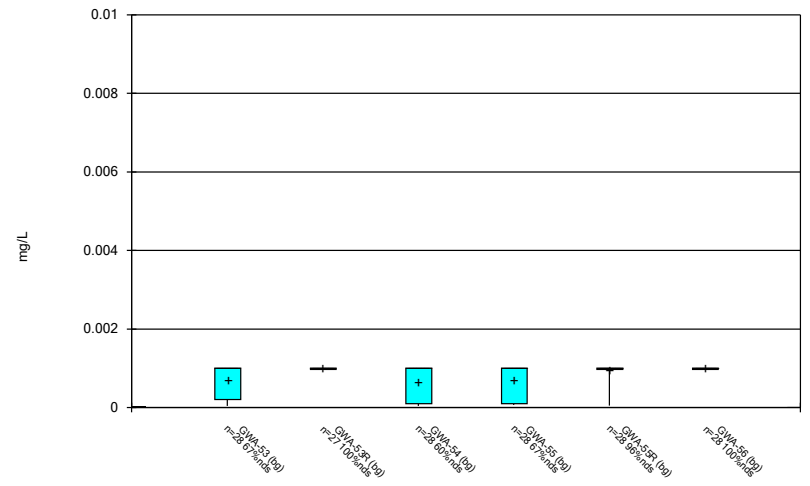
Constituent: Sulfate Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



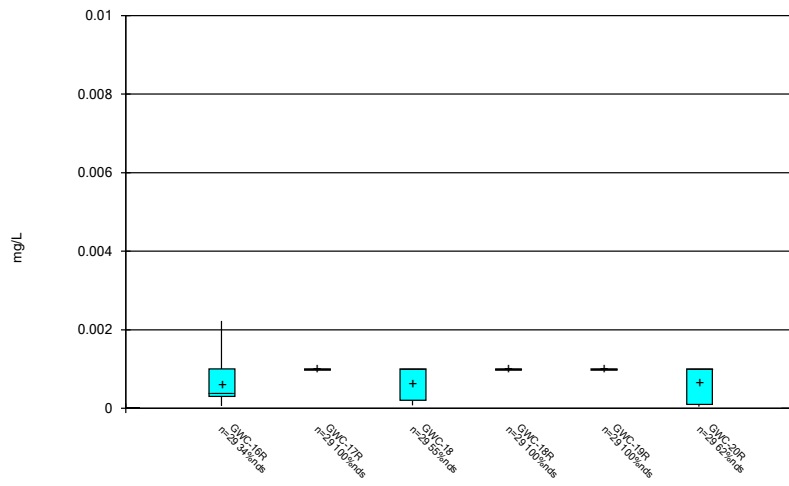
Constituent: Thallium Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



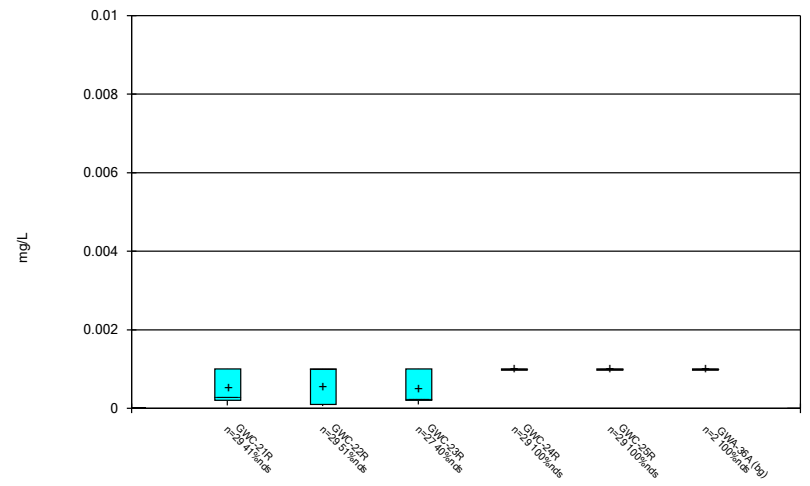
Constituent: Thallium Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



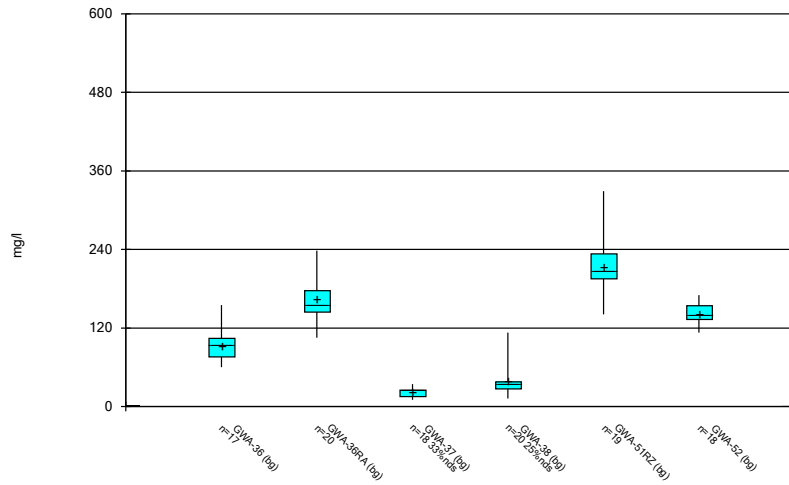
Constituent: Thallium Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



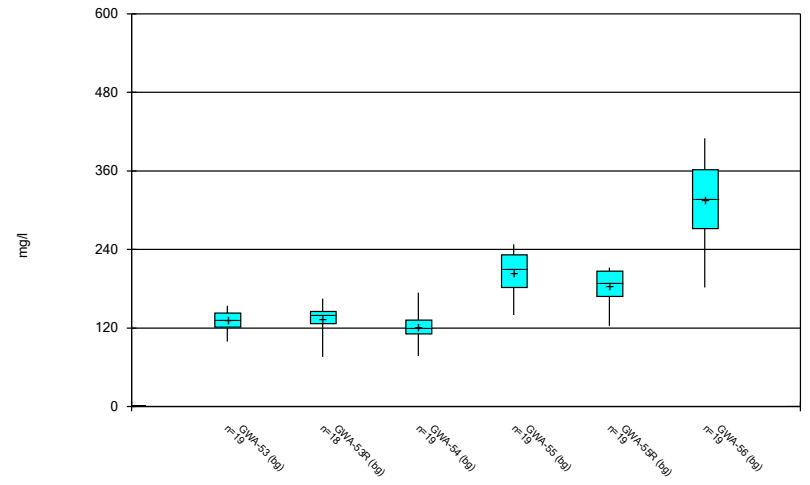
Constituent: Thallium Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



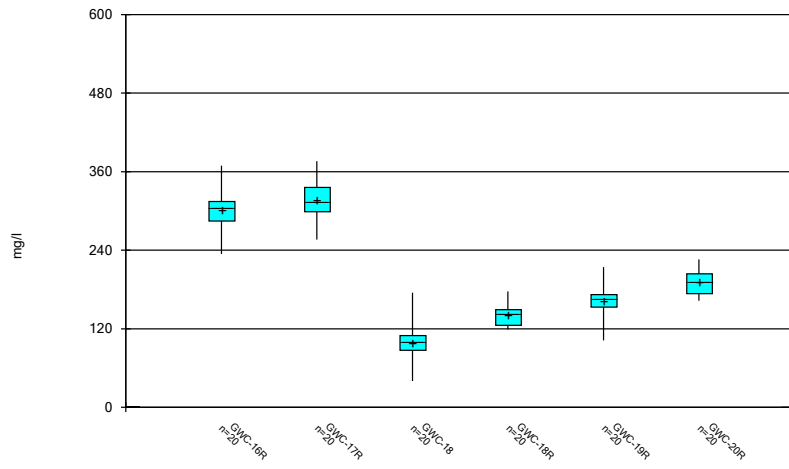
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



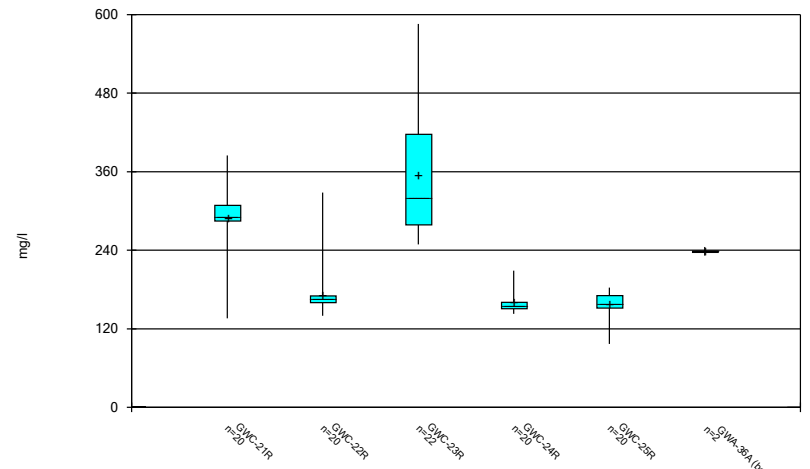
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



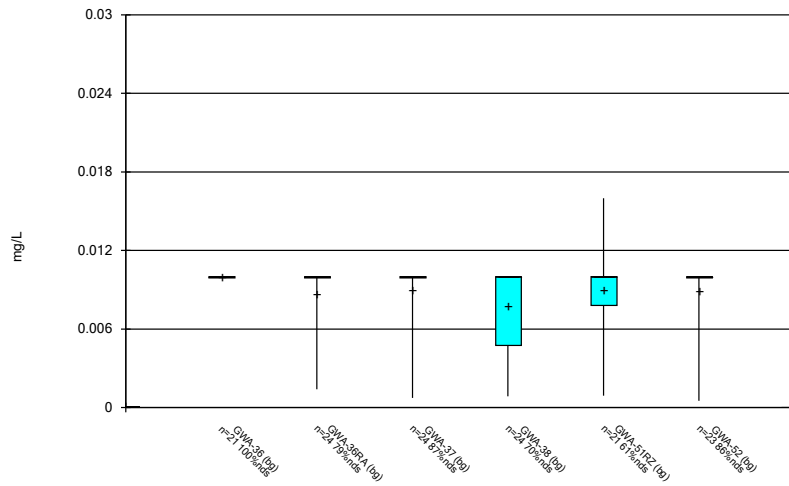
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



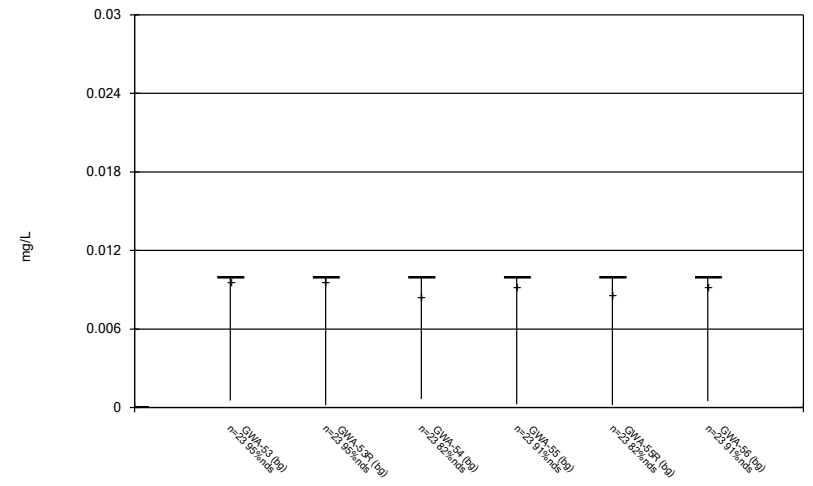
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:06 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



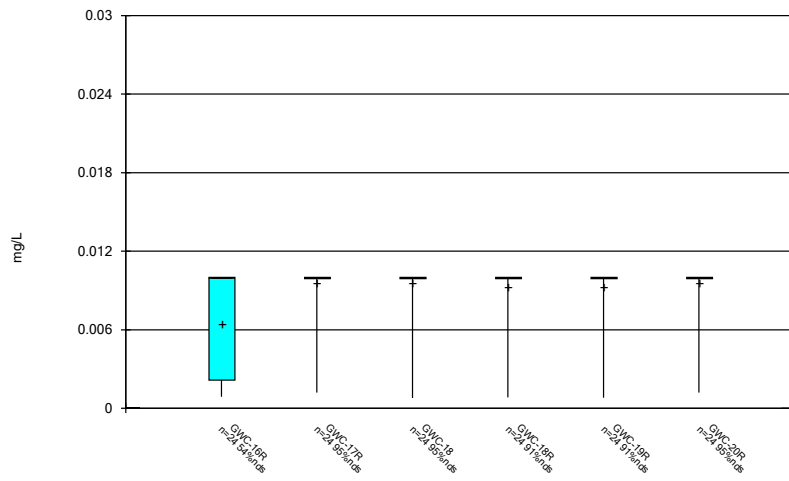
Constituent: Vanadium Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



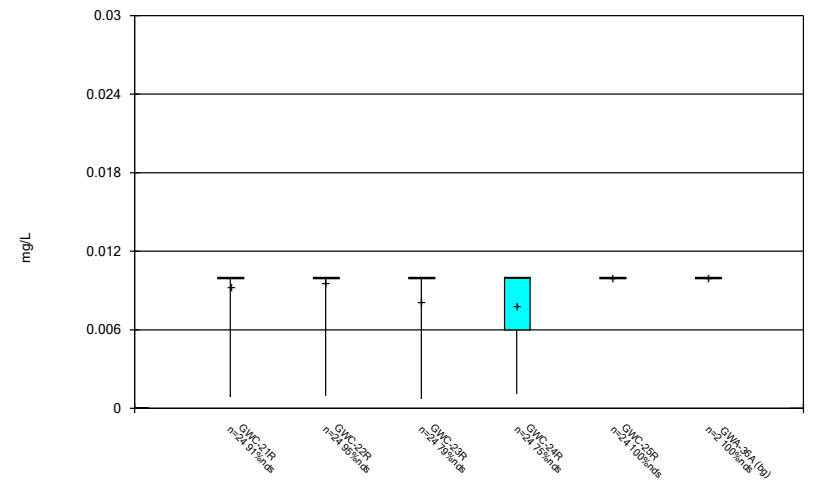
Constituent: Vanadium Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



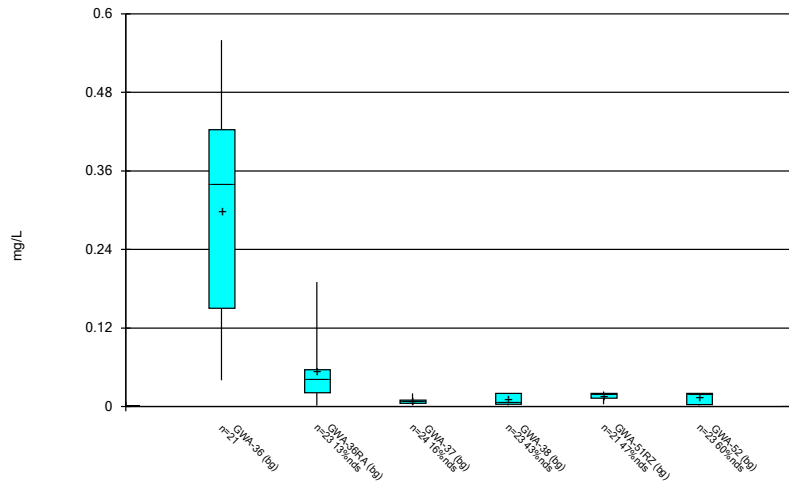
Constituent: Vanadium Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



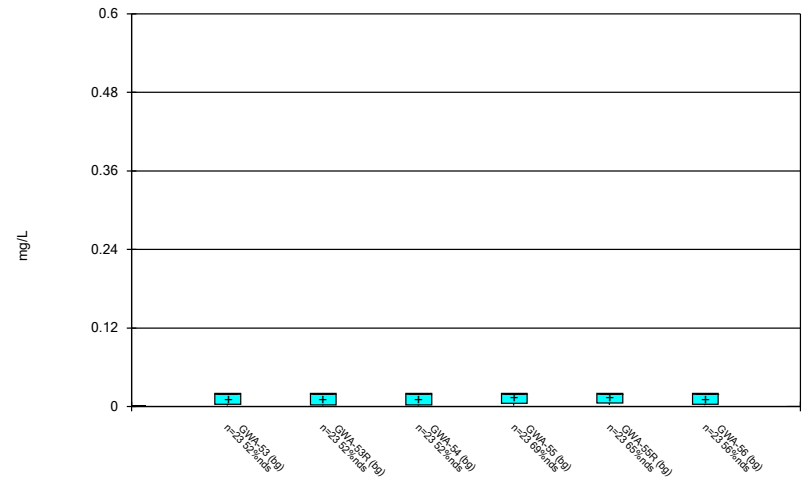
Constituent: Vanadium Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



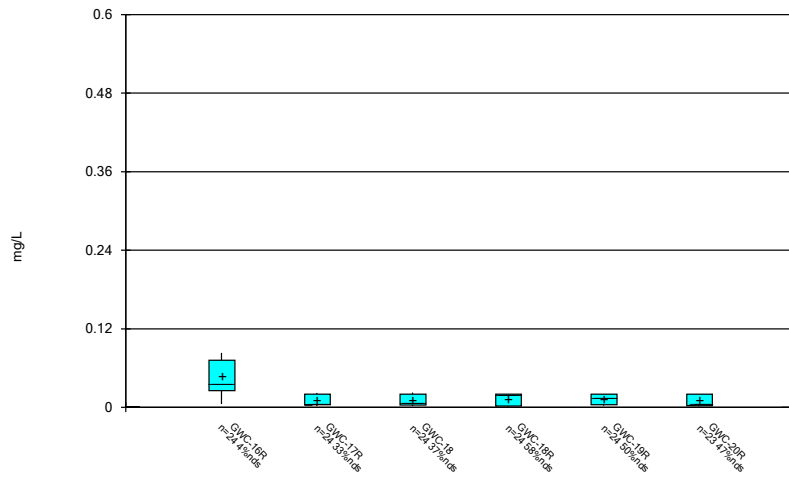
Constituent: Zinc Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



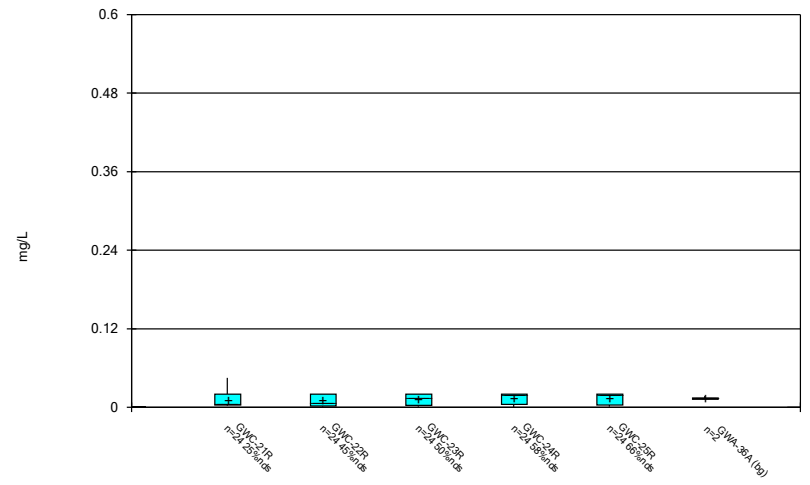
Constituent: Zinc Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/22/2023, 3:11 PM

Date	GWC-17R Sulfate (mg/L)	GWC-21R Sulfate (mg/L)	GWC-23R Thallium (mg/L)	GWA-37 Total Dissolved Solids (mg/l)	GWA-51RZ Vanadium (mg/L)	GWA-36RA Zinc (mg/L)	GWA-38 Zinc (mg/L)	GWA-51RZ Zinc (mg/L)	GWC-20R Zinc (mg/L)
9/15/2014				0.44 (o)					
10/4/2014									
10/21/2014									
11/11/2014									
3/2/2015					0.041 (o)				
3/3/2015									
3/17/2015									
5/8/2015									
5/17/2015							0.12 (o)		
5/25/2015									
8/12/2015				0.0279 (o)					
3/2/2016									
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016								0.557 (o)	
3/9/2016		0.0033 (Jo)							
5/3/2016									
7/12/2016									
9/8/2016									
9/13/2016									
1/6/2017				189 (O)					
3/14/2017				90 (o)					
3/23/2017									
3/11/2019									
3/12/2019	25.9 (O)								
7/28/2021									
8/2/2021		21.5 (o)							

FIGURE D.

Appendix I Intrawell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-36RA	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.004519	n/a	2/8/2023	0.0013J	No	26	0.00223	0.0009357	34.62	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-16R	0.02603	n/a	2/10/2023	0.02	No	26	0.07942	0.03348	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-17R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-20R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.008799	n/a	2/9/2023	0.0064	No	26	0.06001	0.01382	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-23R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.003ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.003	n/a	2/9/2023	0.003ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	25	n/a	n/a	56	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.0053	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.0071	n/a	2/9/2023	0.0025J	No	25	n/a	n/a	52	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.003J	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.006	n/a	2/10/2023	0.0032J	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-36RA	0.03814	n/a	2/8/2023	0.038	No	26	0.0232	0.00611	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-37	0.01361	n/a	2/8/2023	0.0039J	No	26	0.007654	0.002436	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-38	0.0171	n/a	2/8/2023	0.013	No	25	0.1121	0.007602	0	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-16R	0.07407	n/a	2/10/2023	0.053	No	26	0.04775	0.01076	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-17R	0.02164	n/a	2/10/2023	0.018	No	25	0.01957	0.0008404	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.04773	n/a	2/9/2023	0.016	No	25	0.02719	0.008349	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18R	0.01679	n/a	2/9/2023	0.015	No	23	4.1e-8	1.5e-8	4.348	None	x^4	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-19R	0.01836	n/a	2/9/2023	0.015	No	25	0.01594	0.0009874	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-20R	0.03538	n/a	2/10/2023	0.031	No	26	0.02974	0.002305	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-21R	0.04026	n/a	2/9/2023	0.031	No	26	0.02498	0.006248	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-22R	0.06902	n/a	2/9/2023	0.04	No	26	0.03979	0.01195	3.846	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-23R	0.04074	n/a	2/10/2023	0.038	No	26	0.0263	0.005901	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-24R	0.03243	n/a	2/9/2023	0.018	No	25	0.02258	0.004006	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-25R	0.018	n/a	2/9/2023	0.016	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-36RA	0.0032	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	42.31	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-37	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-38	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18R	0.003	n/a	2/9/2023	0.00015J	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19R	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-36RA	0.0006434	n/a	2/8/2023	0.0005ND	No	26	-8.6	0.5115	30.77	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Cadmium (mg/L)	GWA-37	0.0005	n/a	2/8/2023	0.0005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-38	0.0005	n/a	2/8/2023	0.0005ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-22R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-25R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.0012J	No	26	n/a	n/a	19.23	n/a	n/a	0.002667	NP Intra (normality) 1 of 2

Appendix I Intrawell Prediction Limits - All Results (No Significant) Page 2

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.0011J	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-17R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.00595	n/a	2/9/2023	0.0015J	No	24	0.002869	0.001242	12.5	None	No	0.0002993	Param Intra 1 of 2
Chromium (mg/L)	GWC-18R	0.008	n/a	2/9/2023	0.005ND	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21R	0.005	n/a	2/9/2023	0.0017J	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-38	0.003071	n/a	2/8/2023	0.001J	No	22	0.001593	0.0005858	0	None	No	0.0002993	Param Intra 1 of 2
Cobalt (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	23.08	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.0183	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.01	n/a	2/9/2023	0.00043J	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.0231	n/a	2/8/2023	0.011	No	16	0.01075	0.004559	6.25	None	No	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.004119	n/a	2/10/2023	0.0012J	No	21	0.04187	0.008771	19.05	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWC-17R	0.0124	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.0011J	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-36RA	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.0047	n/a	2/8/2023	0.001ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.0016	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-36RA	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2

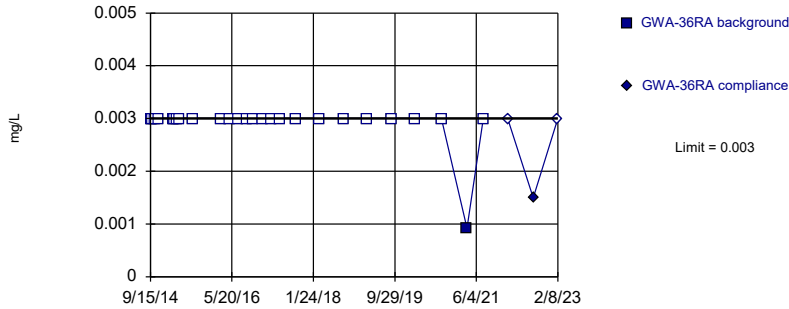
Appendix I Intrawell Prediction Limits - All Results (No Significant) Page 3

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-21R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-36RA	0.01	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	57.14	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.02736	n/a	2/8/2023	0.012	No	21	0.01298	0.005654	4.762	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWA-38	0.01241	n/a	2/8/2023	0.00091J	No	21	-6.322	0.7598	23.81	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-16R	0.02679	n/a	2/10/2023	0.005	No	17	0.01134	0.005781	5.882	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.0011J	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-36RA	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.001104	n/a	2/10/2023	0.001ND	No	26	0.01531	0.007327	26.92	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-20R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-21R	0.001	n/a	2/9/2023	0.00029J	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.001	n/a	2/10/2023	0.001ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWA-36RA	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-38	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.01	n/a	2/10/2023	0.003J	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-19R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-22R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-36RA	0.2229	n/a	2/8/2023	0.0086J	No	20	0.2283	0.09508	5	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-37	0.01868	n/a	2/8/2023	0.02ND	No	21	0.08422	0.02062	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-38	0.02	n/a	2/8/2023	0.02ND	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-16R	0.1436	n/a	2/10/2023	0.017J	No	21	0.2147	0.06456	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWC-17R	0.0219	n/a	2/10/2023	0.02ND	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.0225	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	42.86	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20R	0.02	n/a	2/10/2023	0.02ND	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-21R	0.045	n/a	2/9/2023	0.012J	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-22R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-23R	0.02	n/a	2/10/2023	0.02ND	No	21	n/a	n/a	47.62	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-24R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2

Within Limit

Prediction Limit
Intrawell Non-parametric

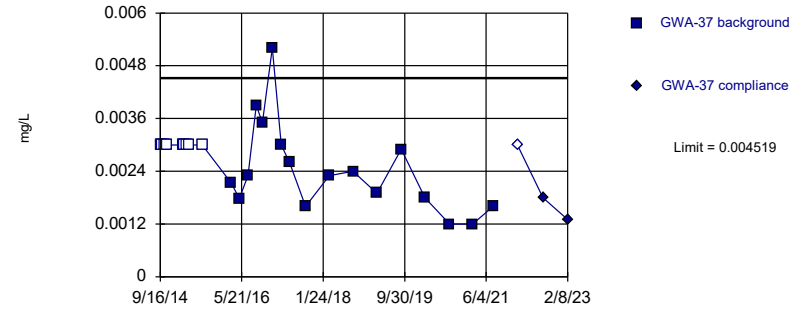


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

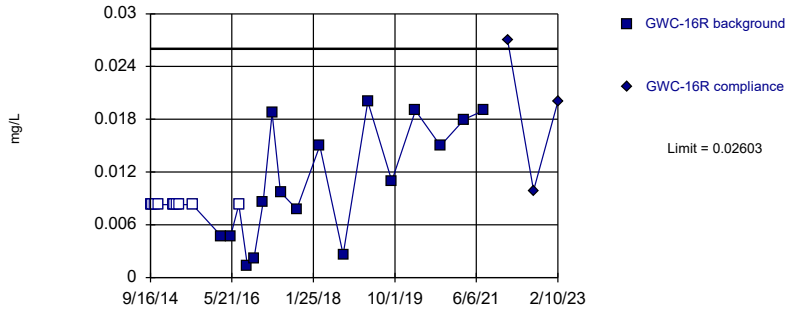


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00223, Std. Dev.=0.0009357, n=26, 34.62% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9094, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

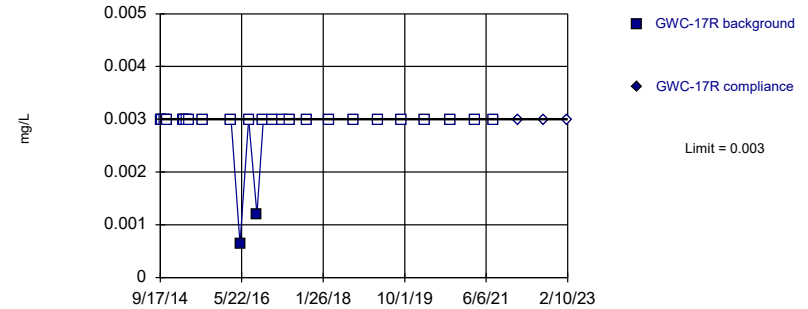


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.07942, Std. Dev.=0.03348, n=26, 38.46% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9041, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

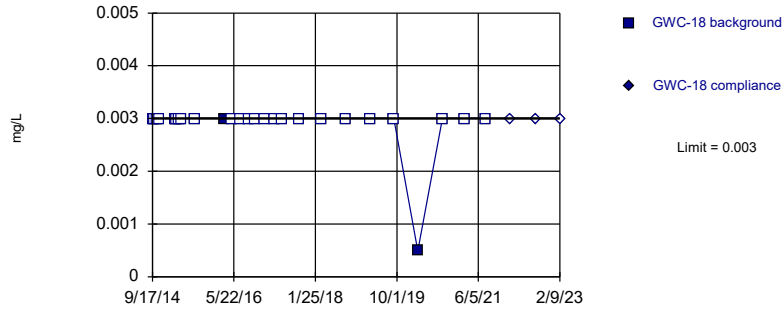


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

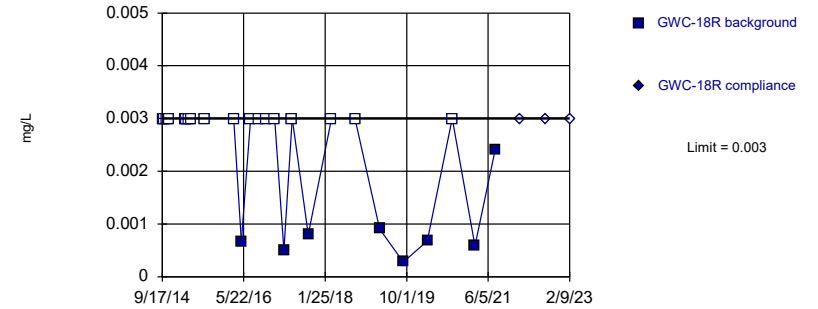


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

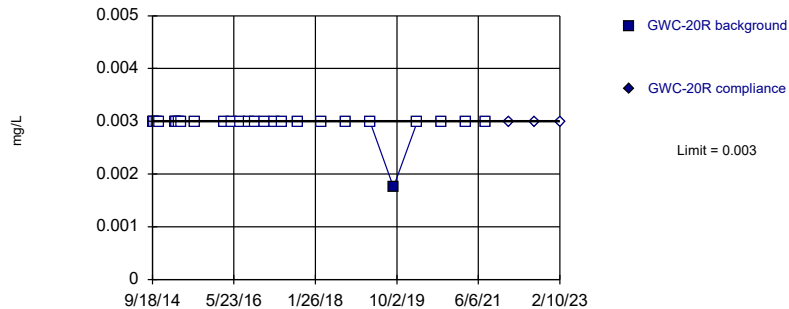


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

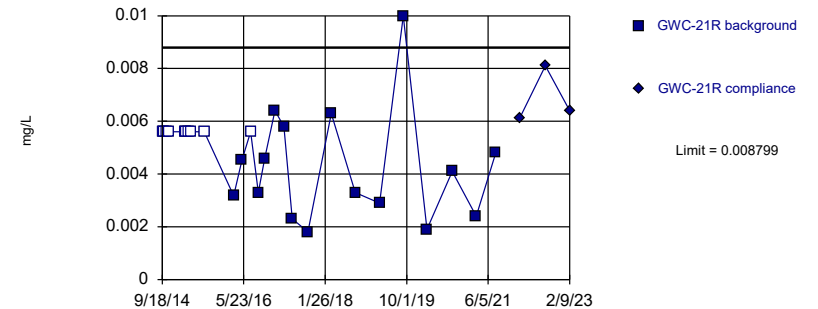


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

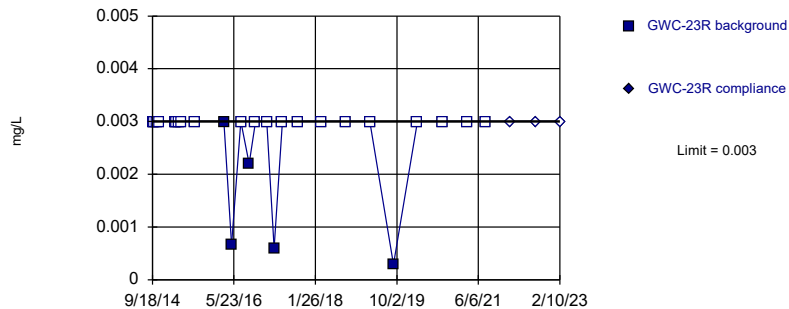


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06001, Std. Dev.=0.01382, n=26, 38.46% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9016, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

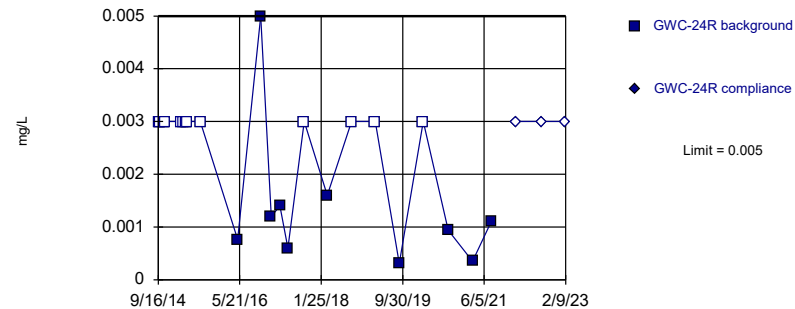


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

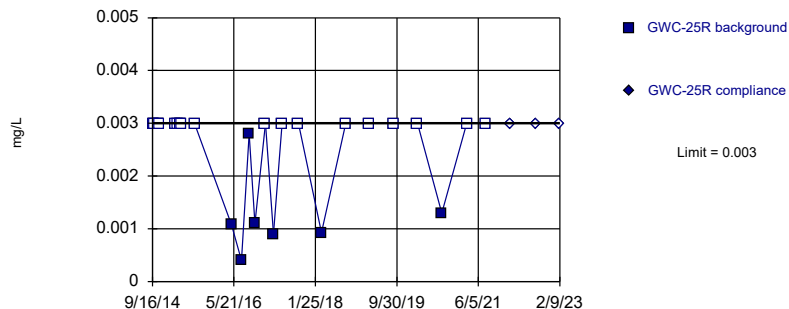


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

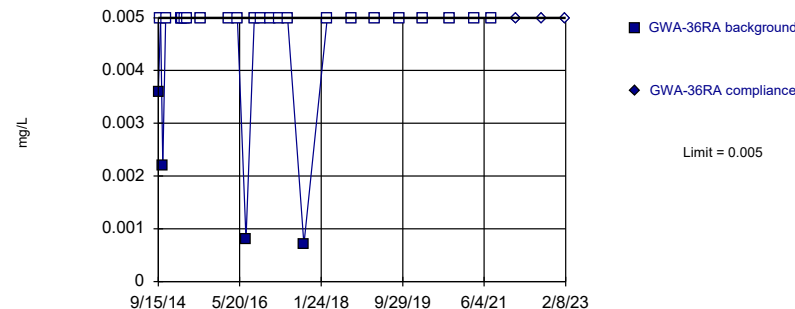


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

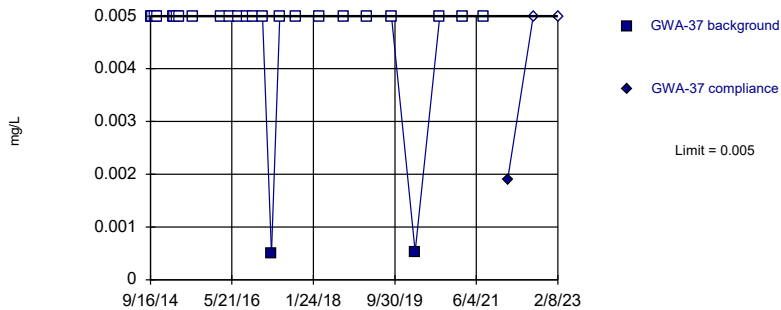


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

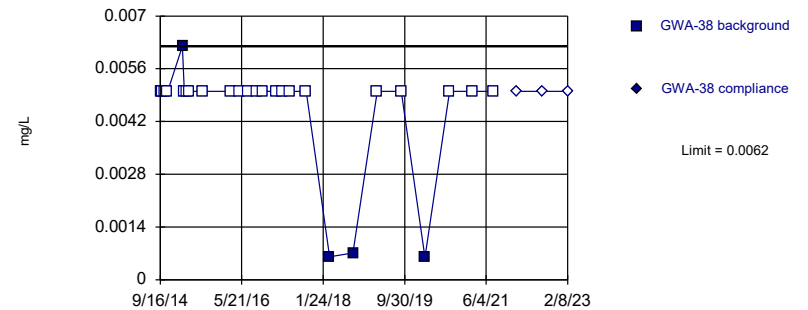


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

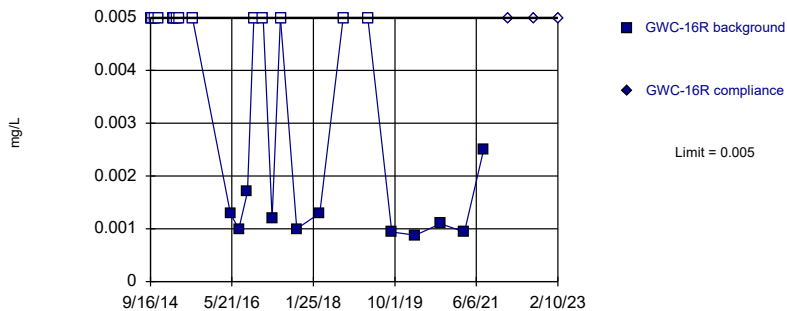


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

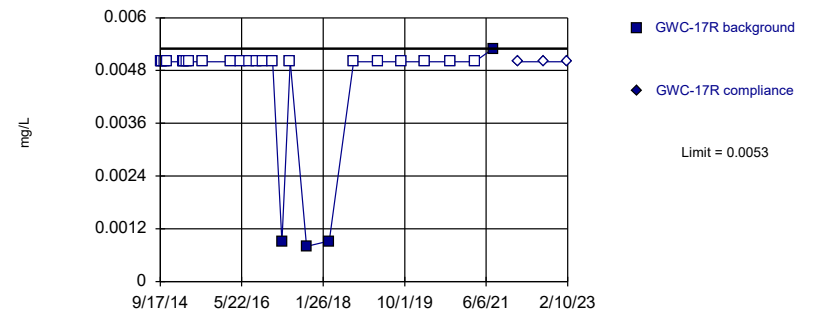


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 56% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

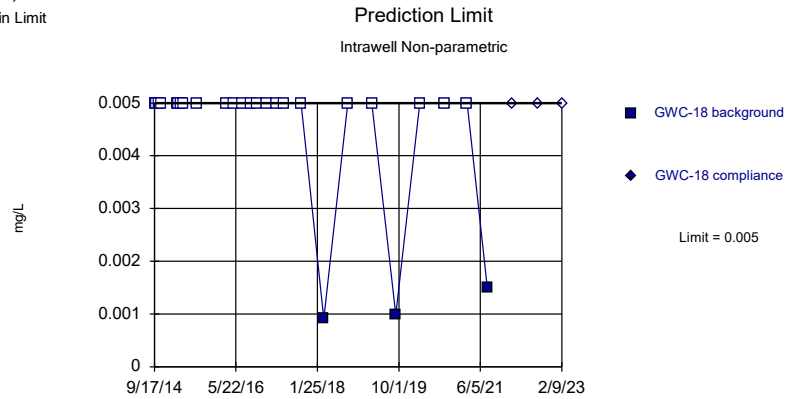
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

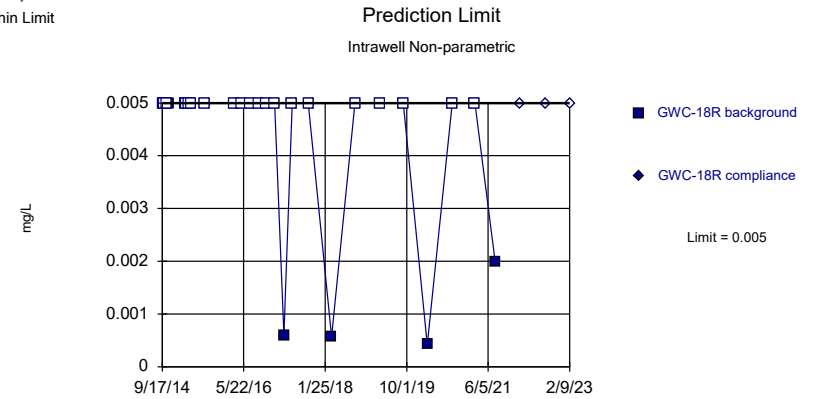
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

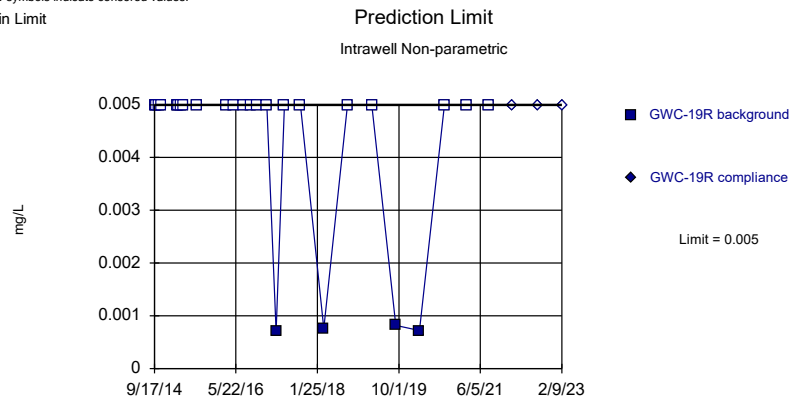
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

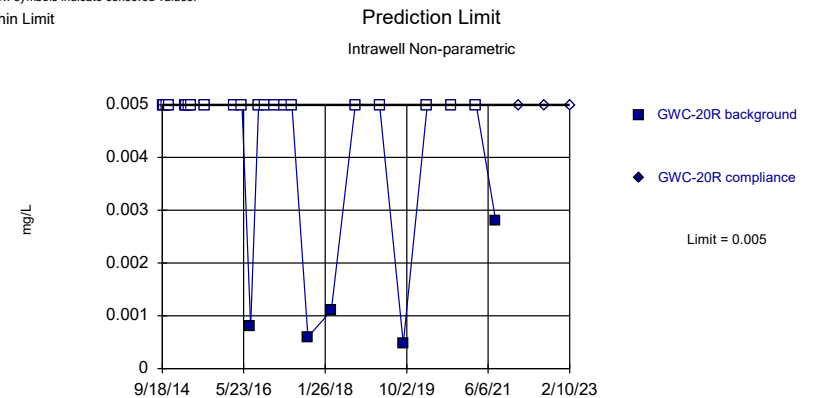
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

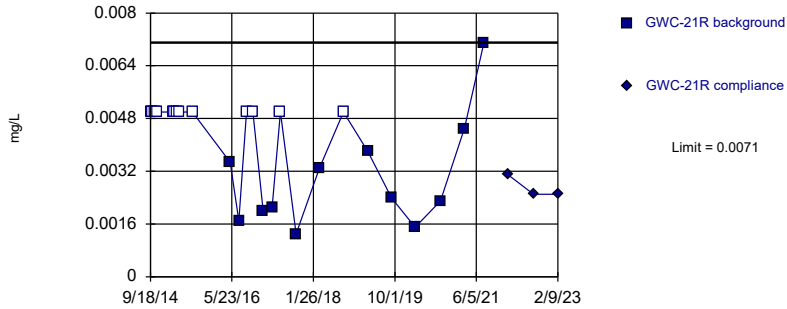


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

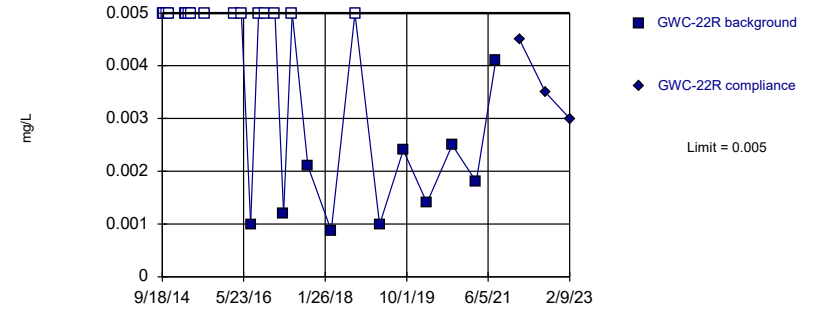


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 52% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

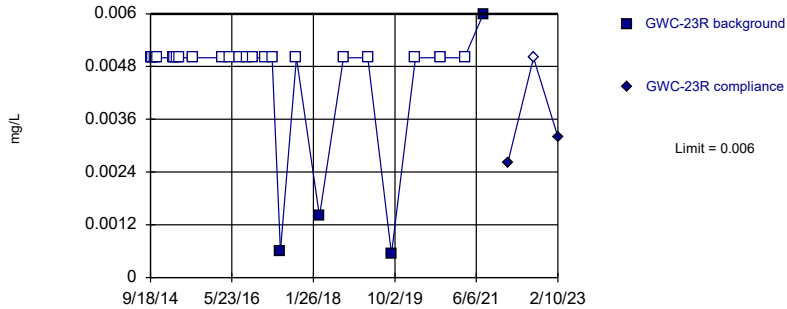


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

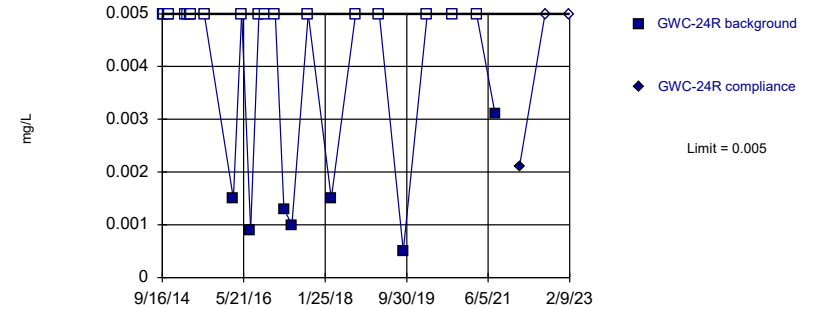


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

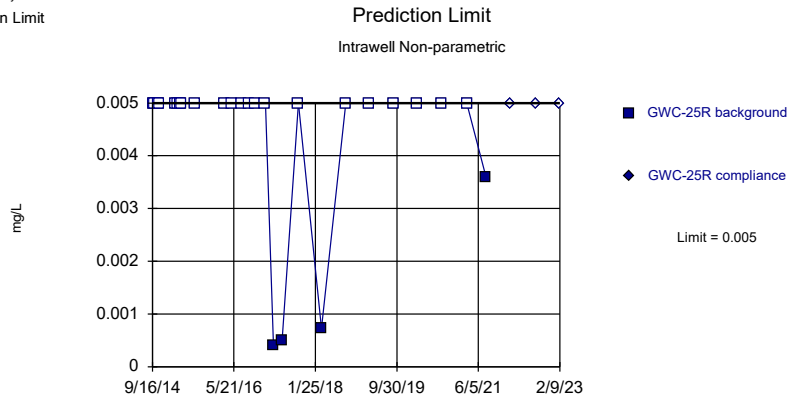
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

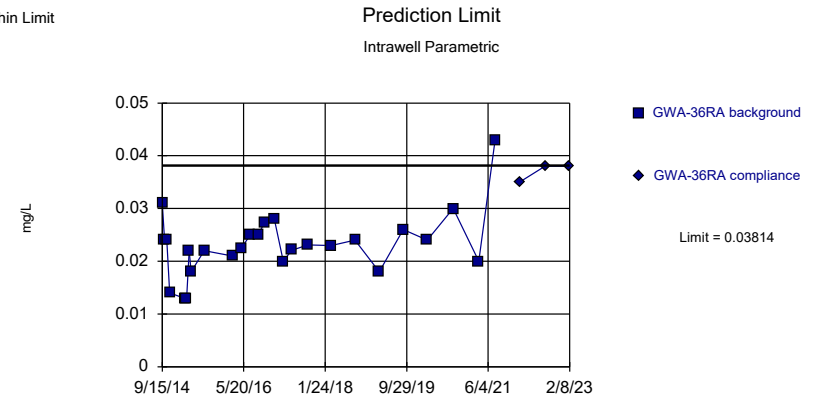
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

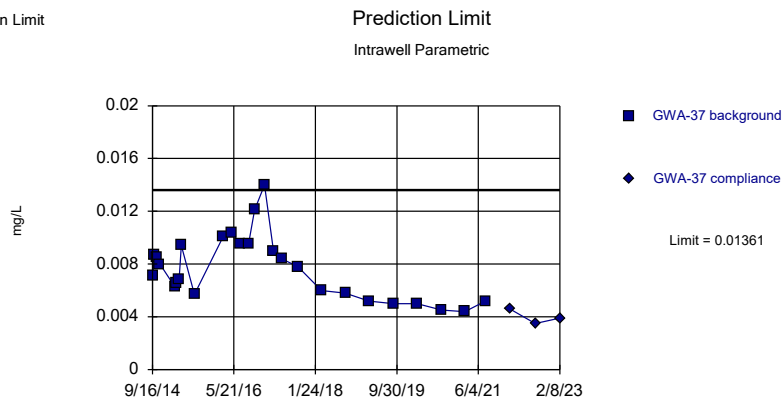
Within Limit



Background Data Summary: Mean=0.0232, Std. Dev.=0.00611, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9075, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

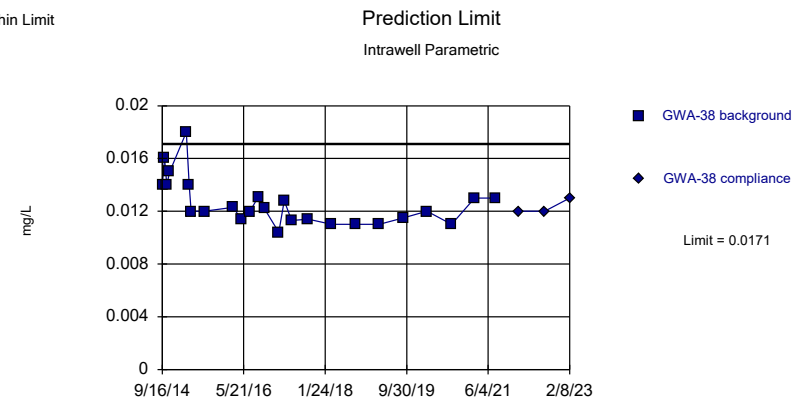
Within Limit



Background Data Summary: Mean=0.007654, Std. Dev.=0.002436, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9409, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

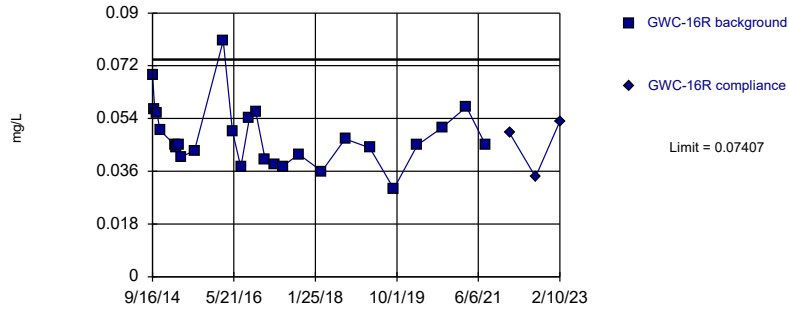


Background Data Summary (based on square root transformation): Mean=0.1121, Std. Dev.=0.007602, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8938, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

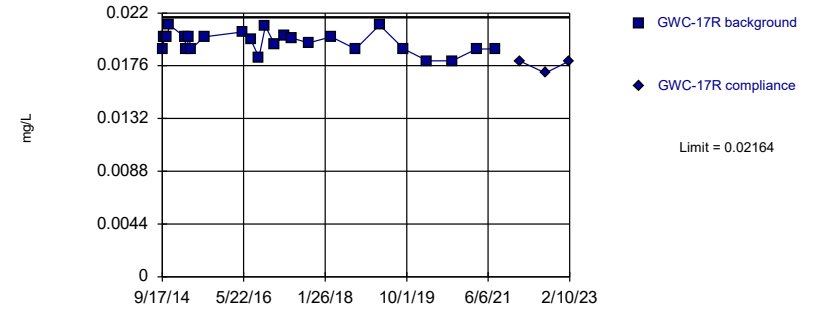


Background Data Summary: Mean=0.04775, Std. Dev.=0.01076, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9115, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

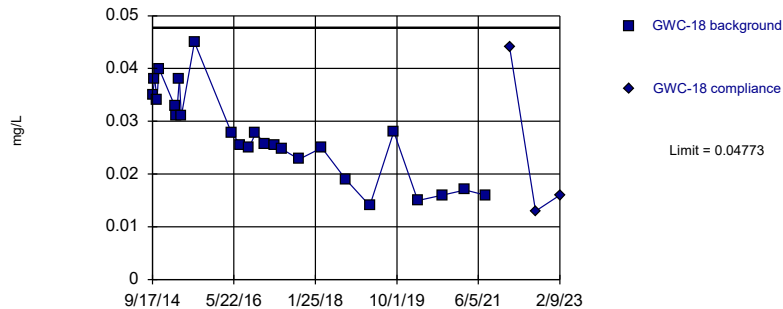


Background Data Summary: Mean=0.01957, Std. Dev.=0.0008404, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9347, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



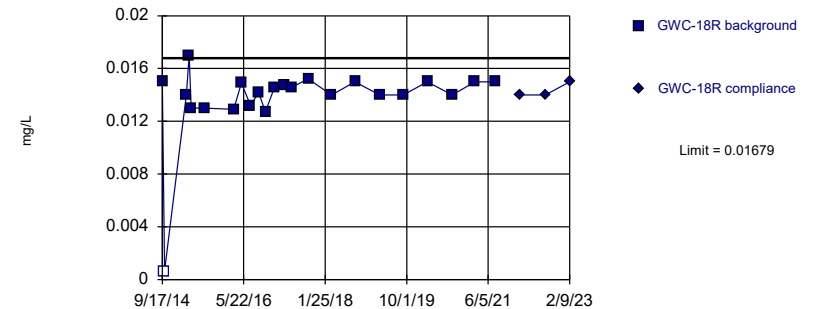
Background Data Summary: Mean=0.02719, Std. Dev.=0.008349, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9638, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric

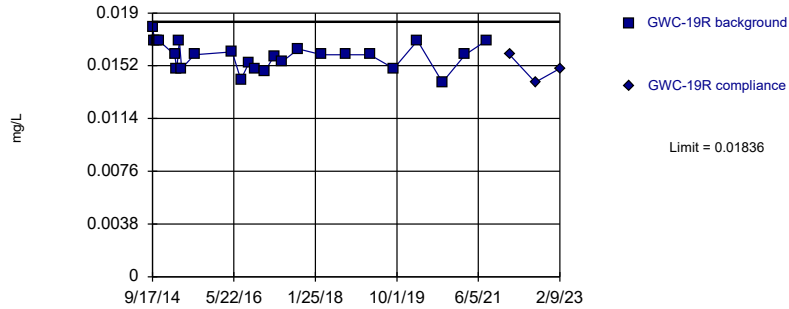


Background Data Summary (based on x^4 transformation): Mean=4.1e-8, Std. Dev.=1.5e-8, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8952, critical = 0.881. Kappa = 2.502 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

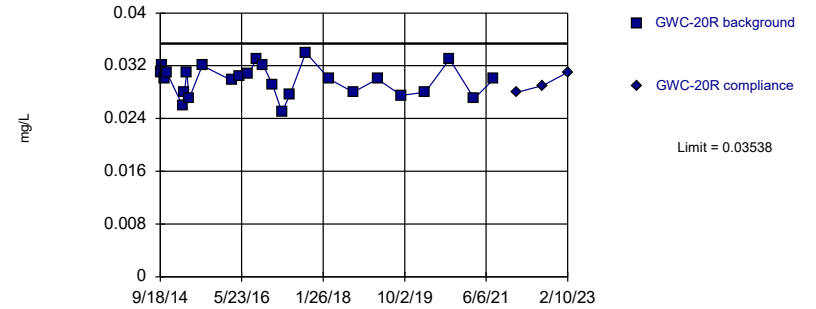


Background Data Summary: Mean=0.01594, Std. Dev.=0.0009874, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9544, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

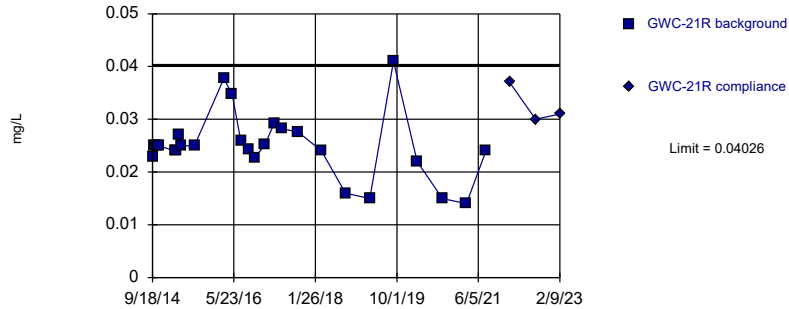


Background Data Summary: Mean=0.02974, Std. Dev.=0.002305, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

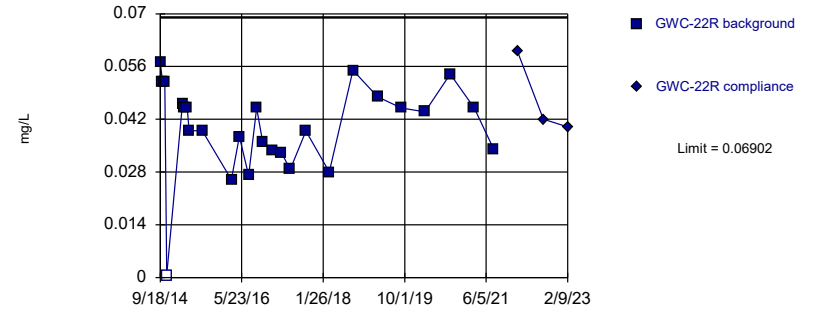


Background Data Summary: Mean=0.02498, Std. Dev.=0.006248, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8933, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

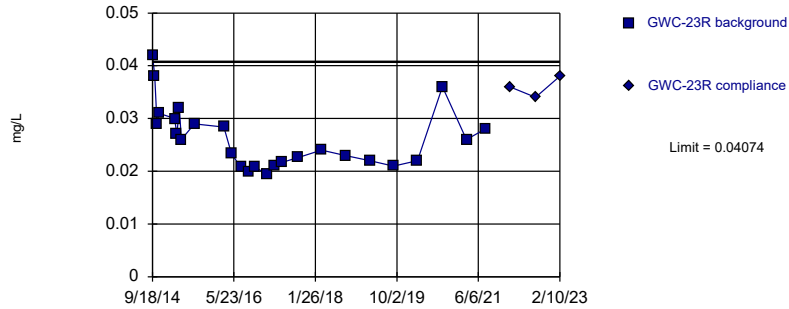


Background Data Summary: Mean=0.03979, Std. Dev.=0.01195, n=26, 3.846% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.906, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

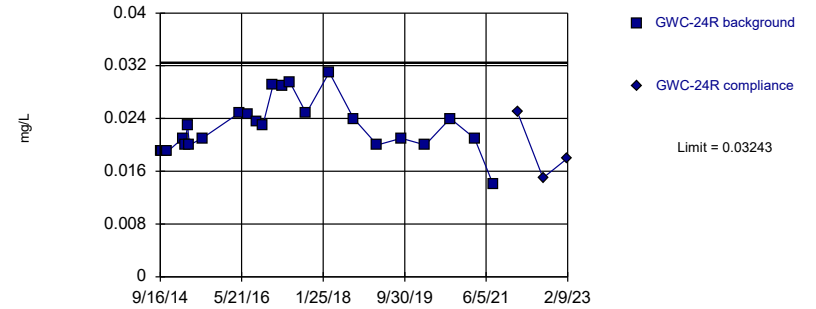


Background Data Summary: Mean=0.0263, Std. Dev.=0.005901, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8941, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

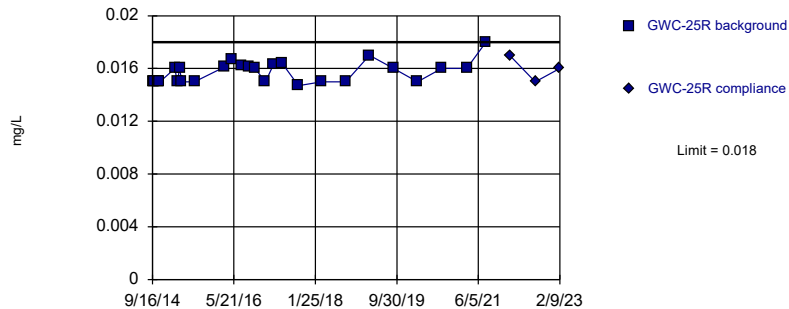


Background Data Summary: Mean=0.02258, Std. Dev.=0.004006, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9334, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

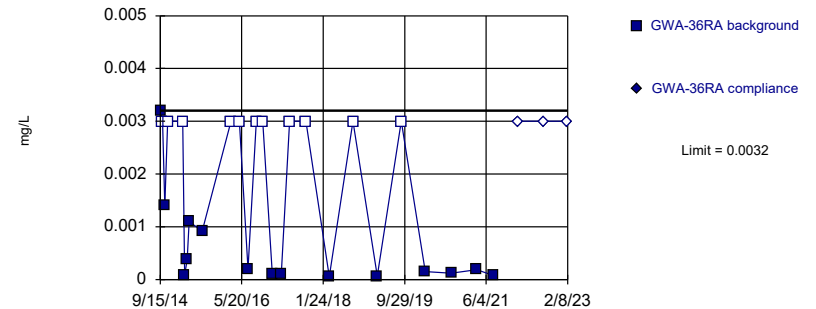


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

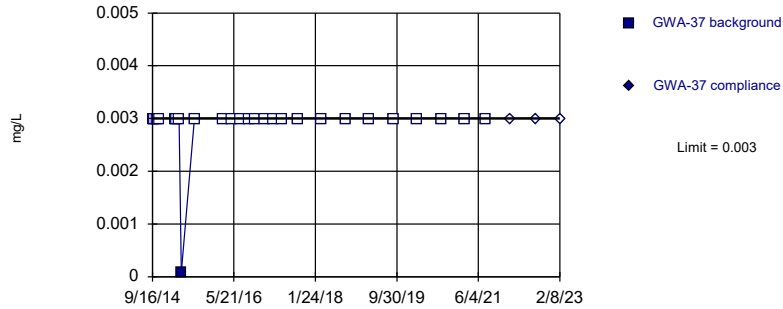


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 42.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

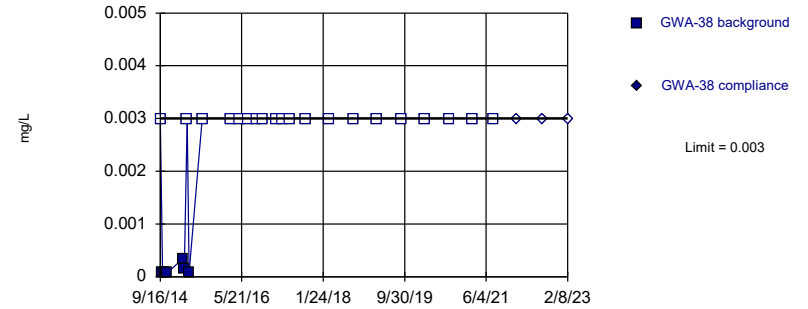


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

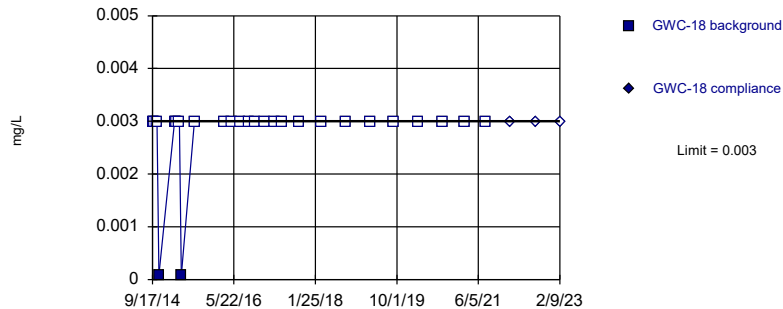


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

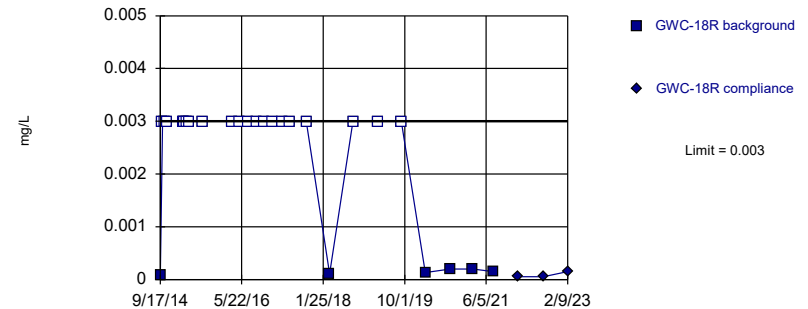


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

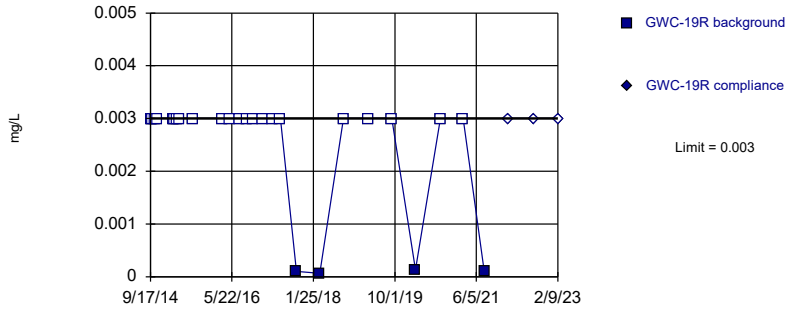


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

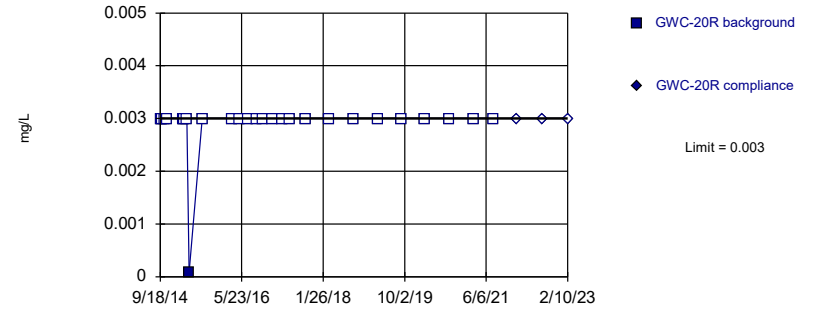


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

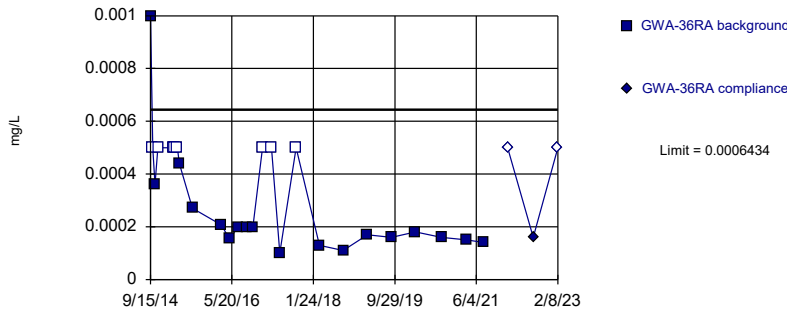


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

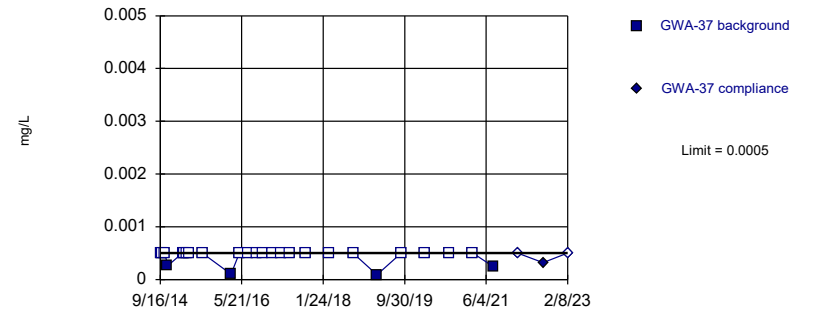


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.6, Std. Dev.=0.5115, n=26, 30.77% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8993, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

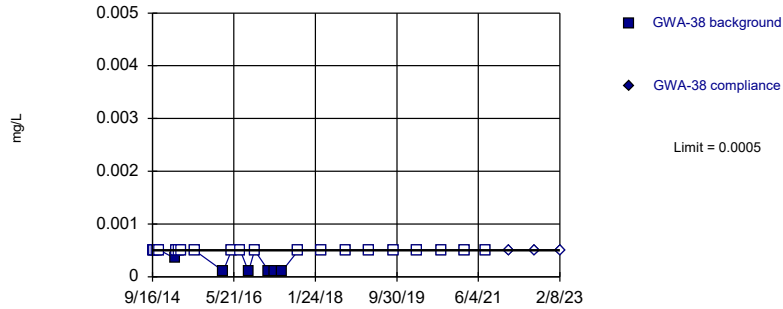


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

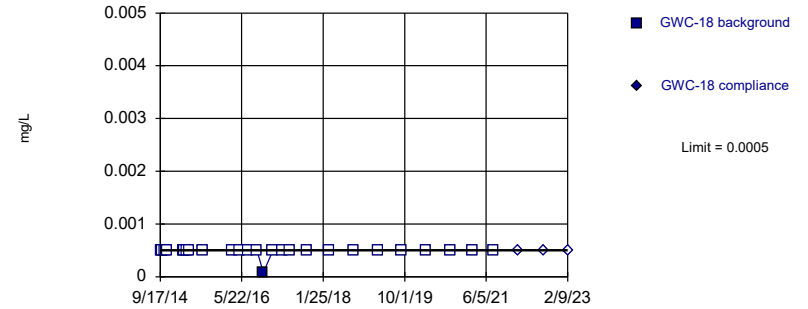


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

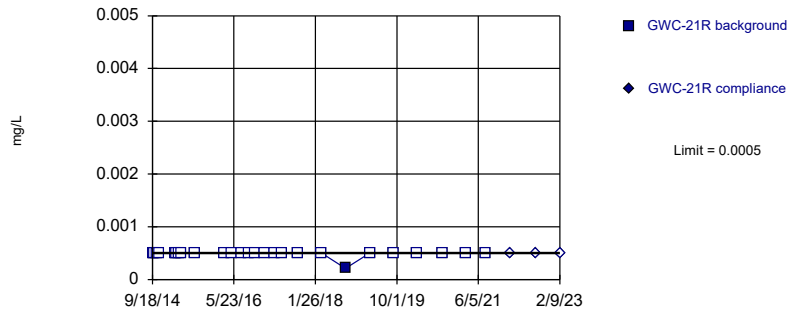


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

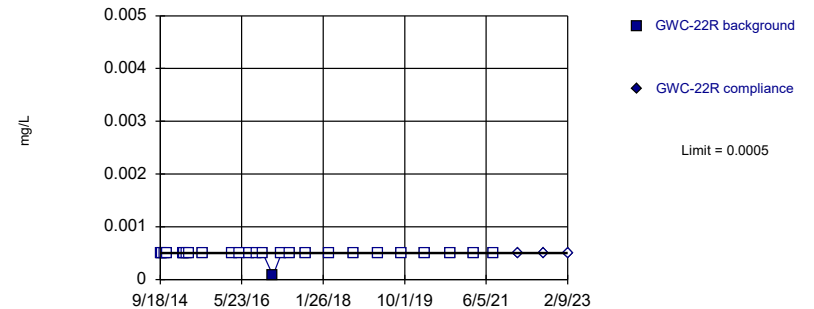


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

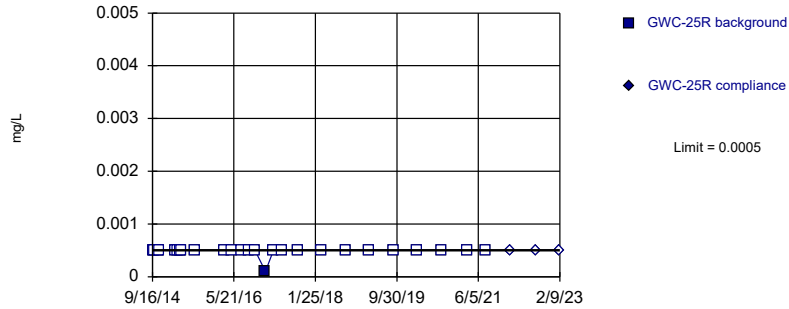


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

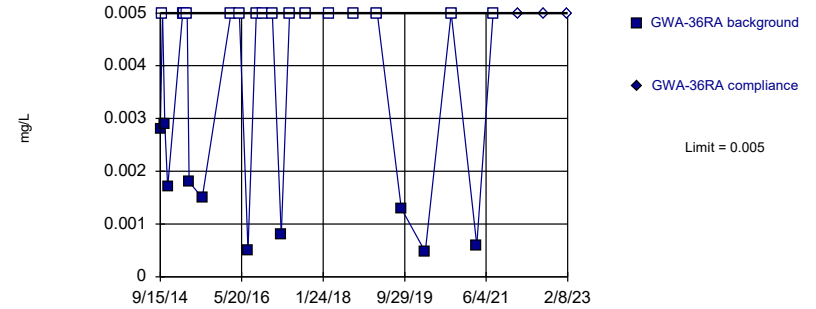


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

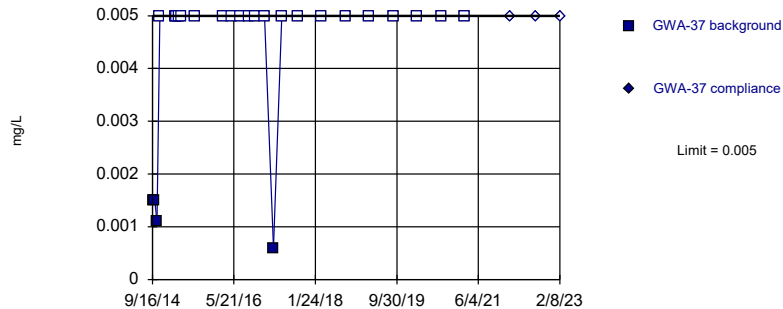


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

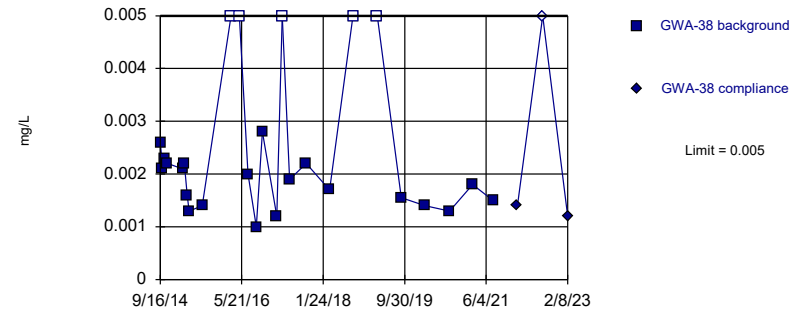


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 84% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

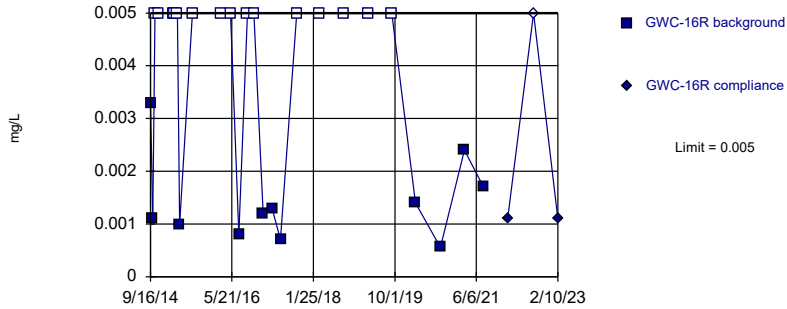


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 19.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

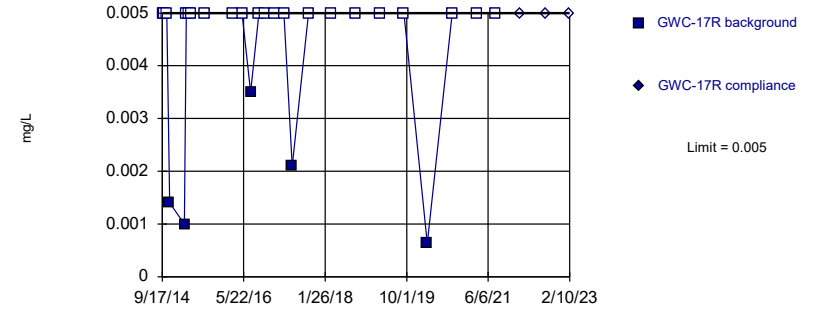


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 57.69% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

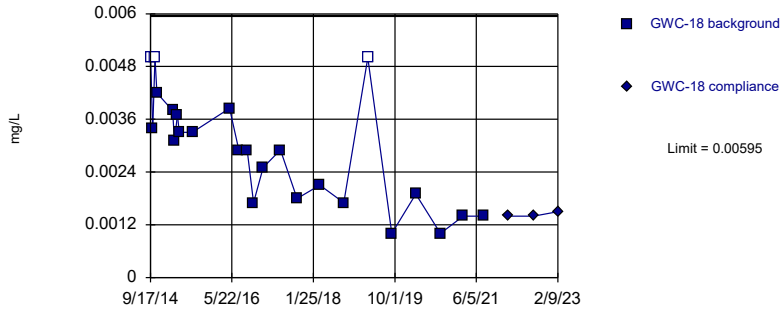


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

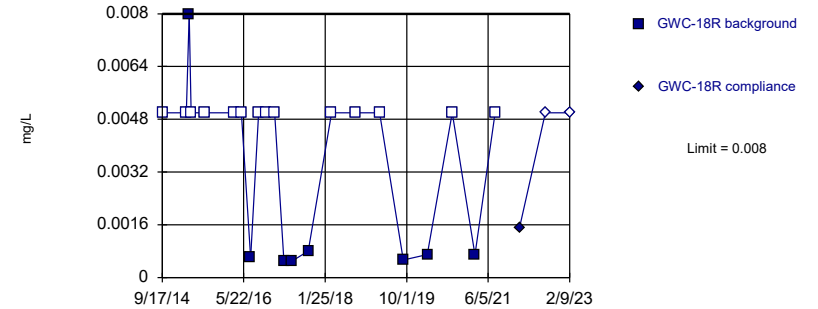


Background Data Summary: Mean=0.002869, Std. Dev.=0.001242, n=24, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.884. Kappa = 2.481 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

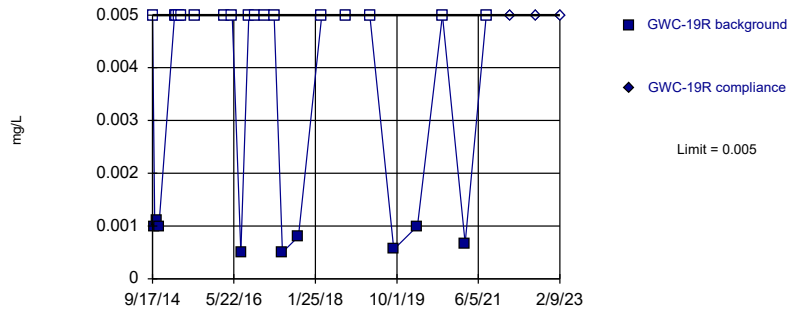


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

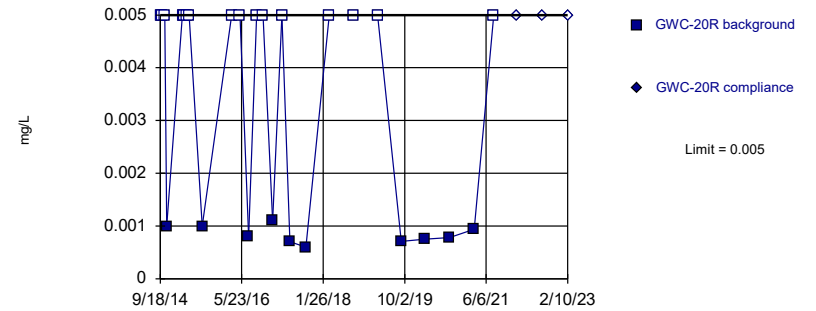


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 65.38% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

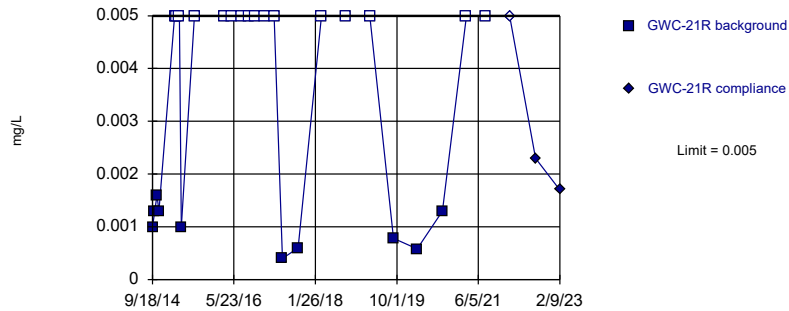


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

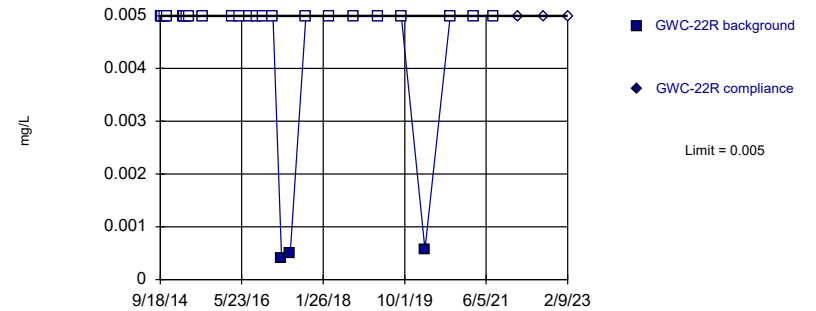


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

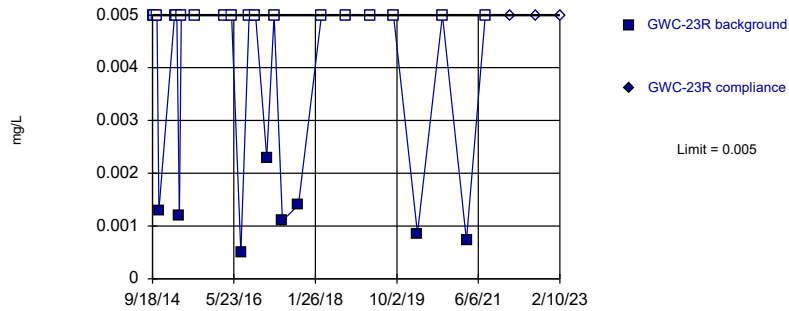


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

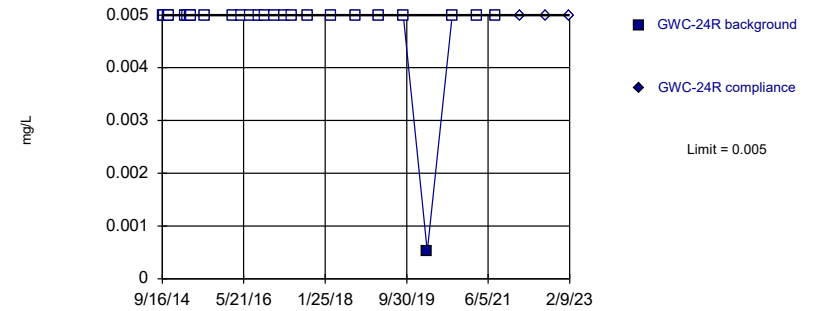


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

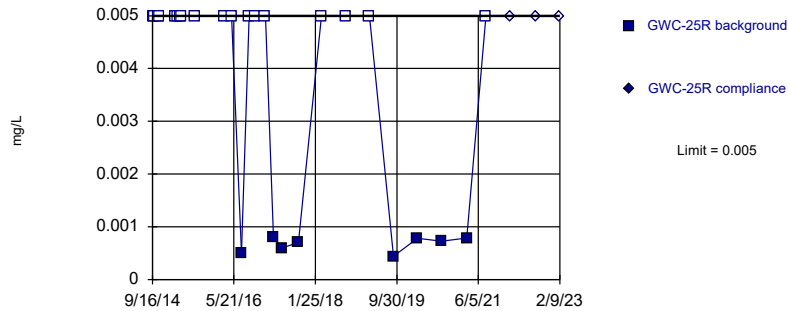


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

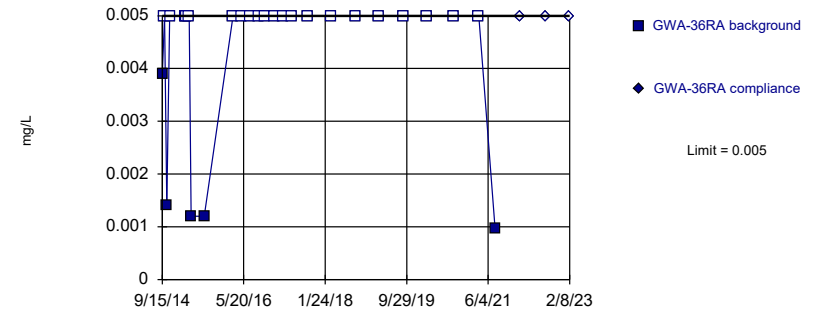


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

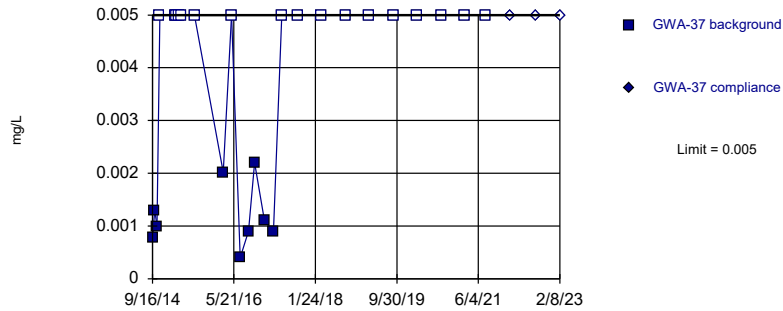


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

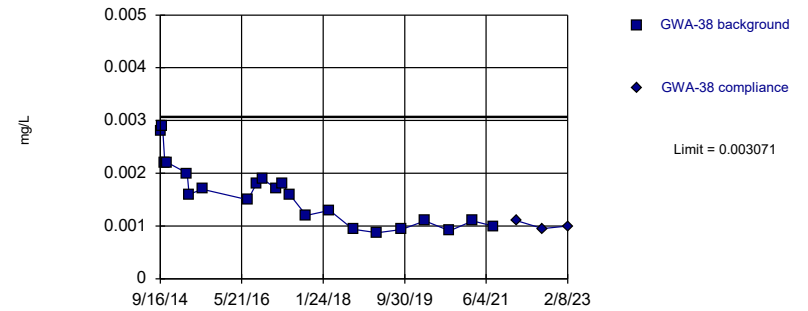


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 65.38% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

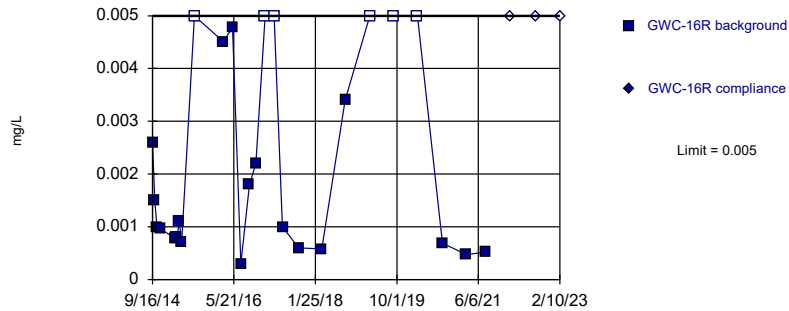


Background Data Summary: Mean=0.001593, Std. Dev.=0.0005858, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9231, critical = 0.878. Kappa = 2.523 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

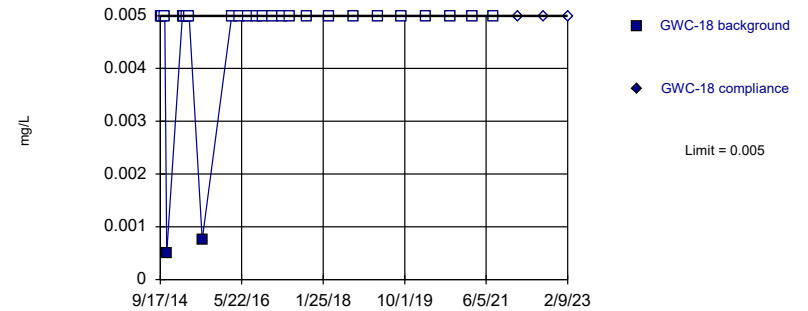


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 23.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

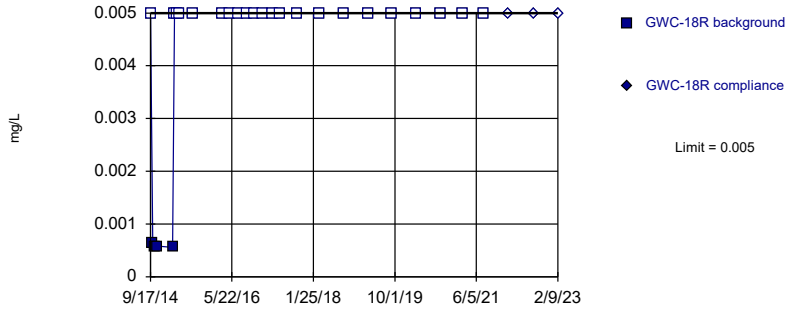


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

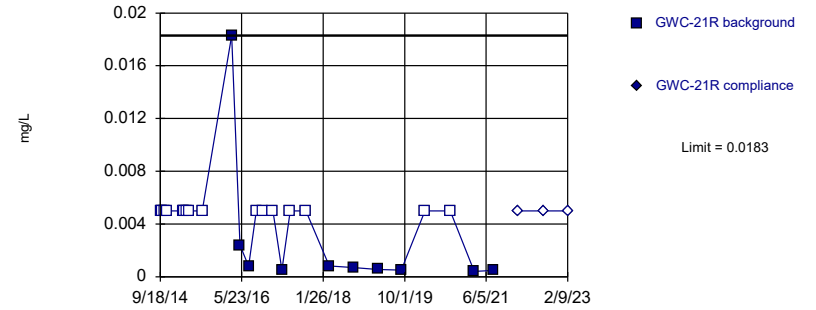


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

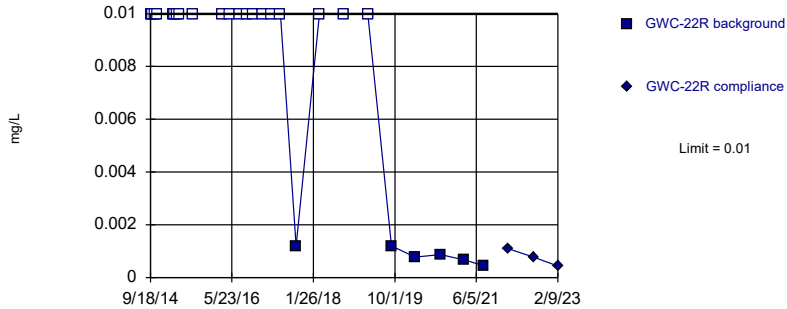


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

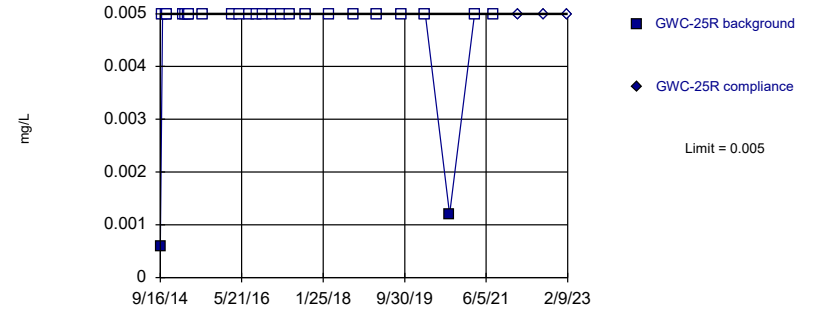


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

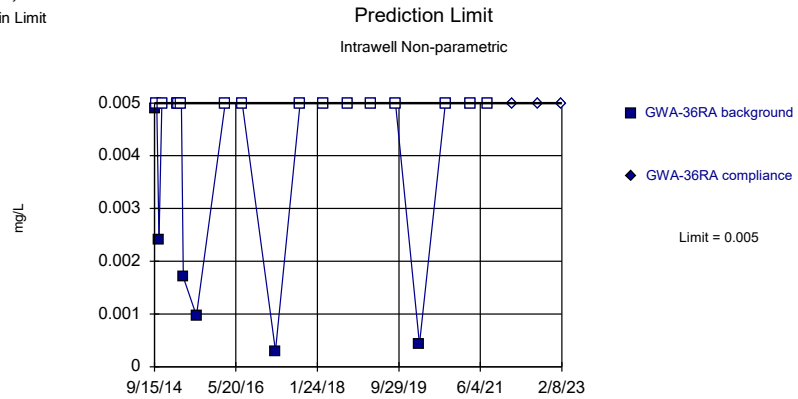
Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

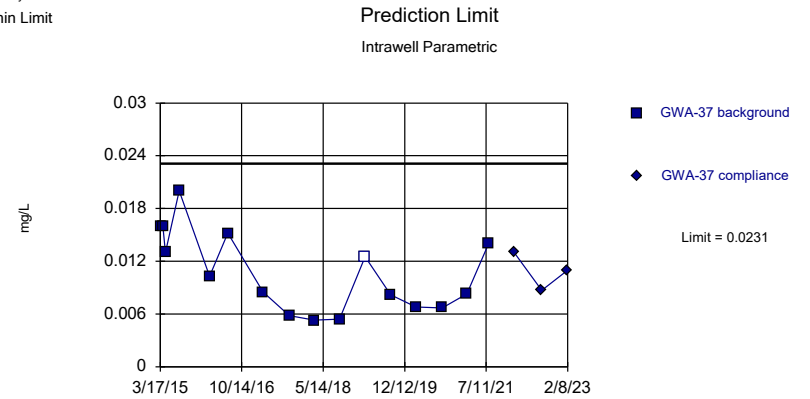
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

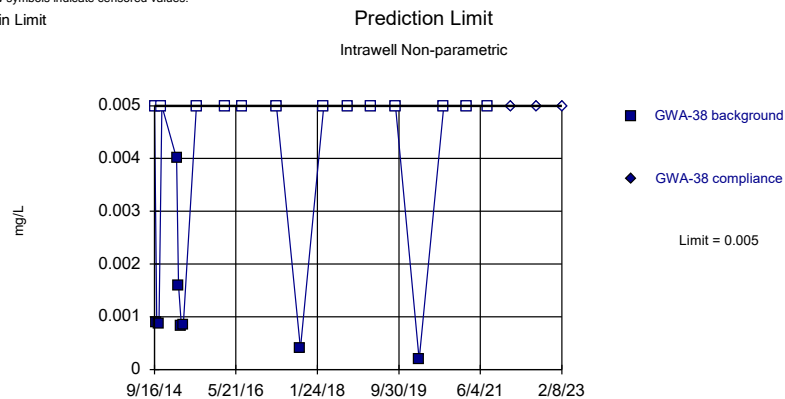
Within Limit



Background Data Summary: Mean=0.01075, Std. Dev.=0.004559, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9213, critical = 0.844. Kappa = 2.709 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

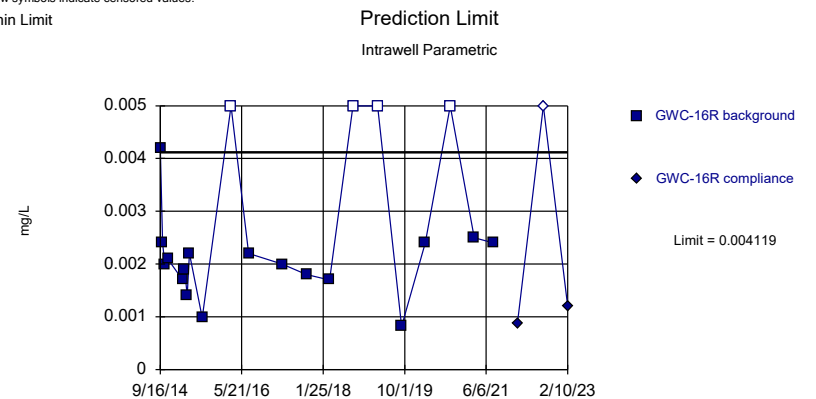
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 61.9% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

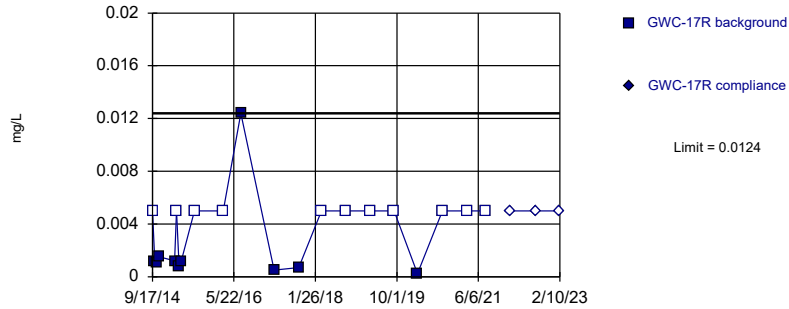


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04187, Std. Dev.=0.008771, n=21, 19.05% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8749, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

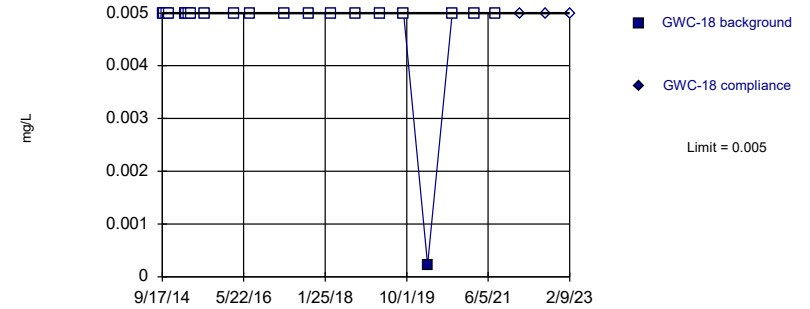


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

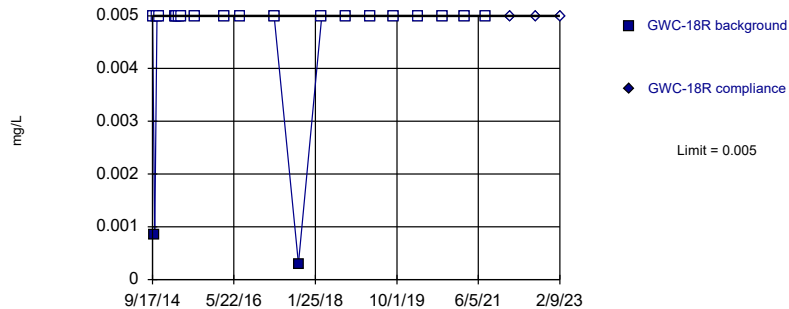


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

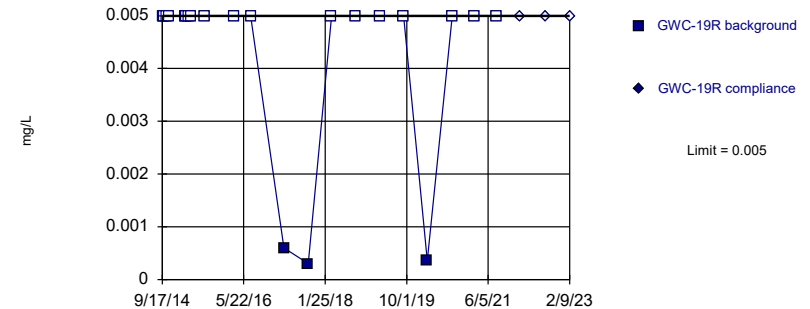


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

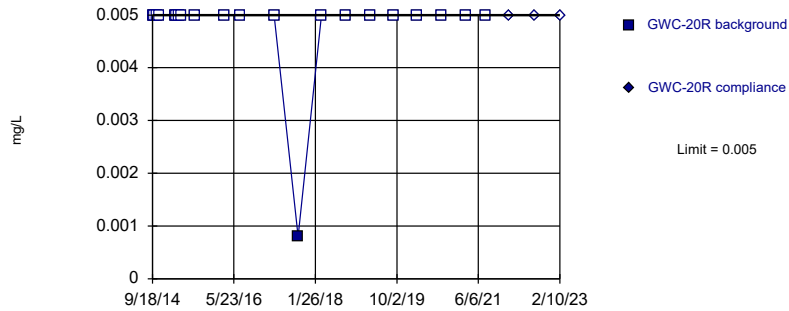


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

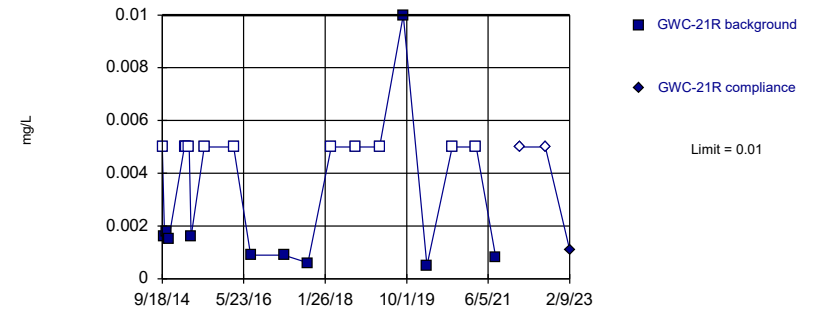


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

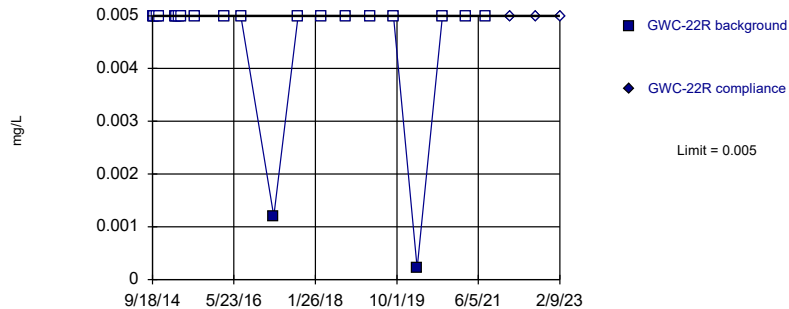


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

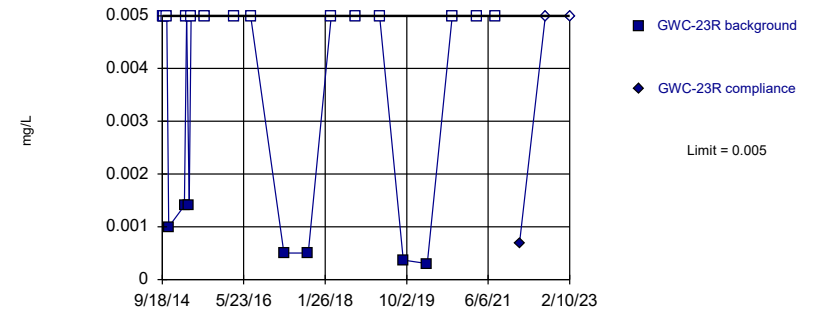


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

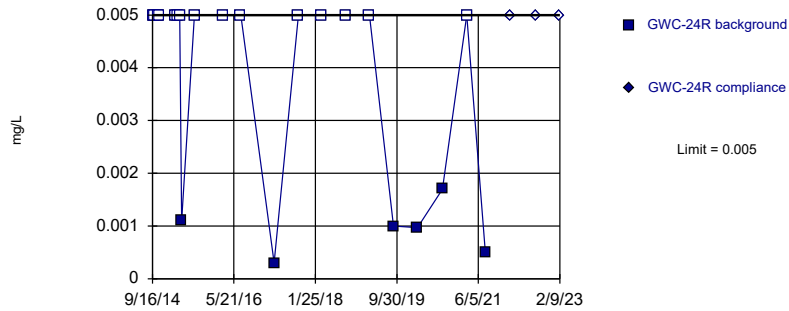


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

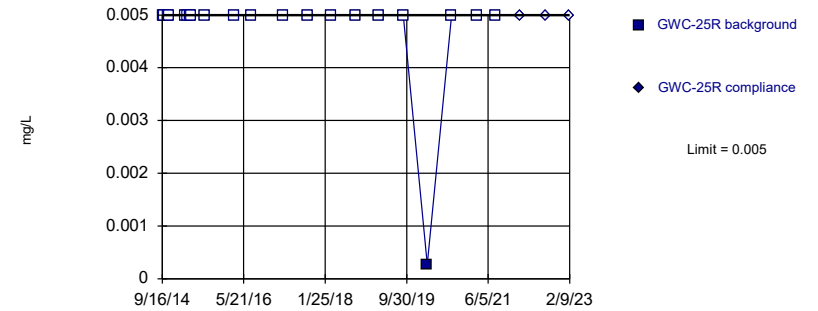


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

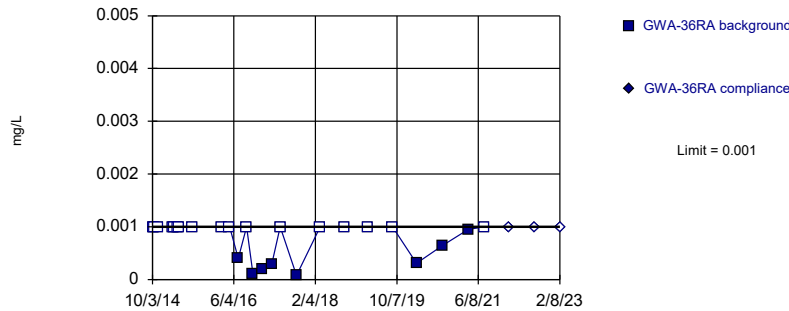


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

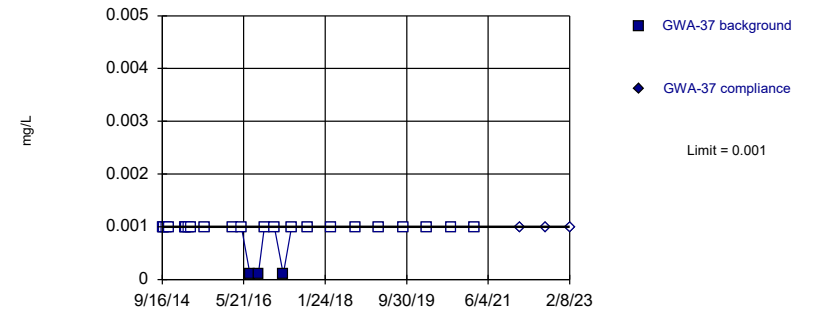


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 68% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

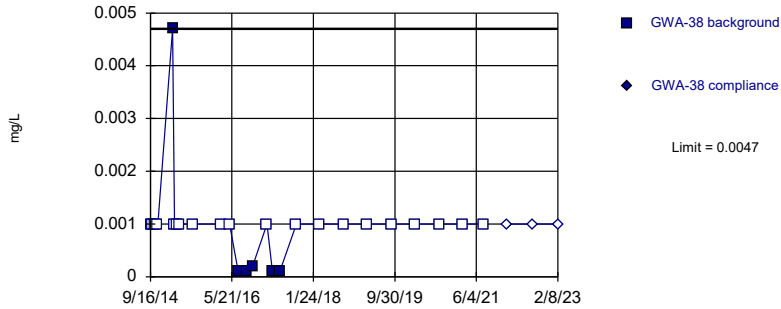


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

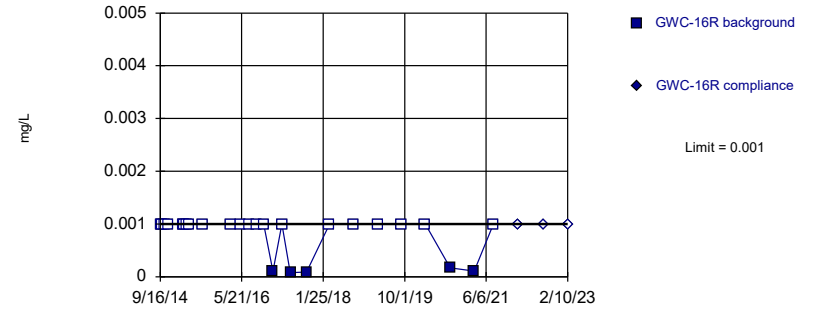


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

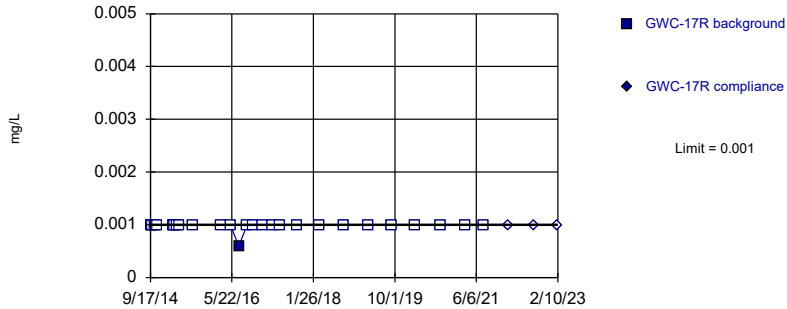


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

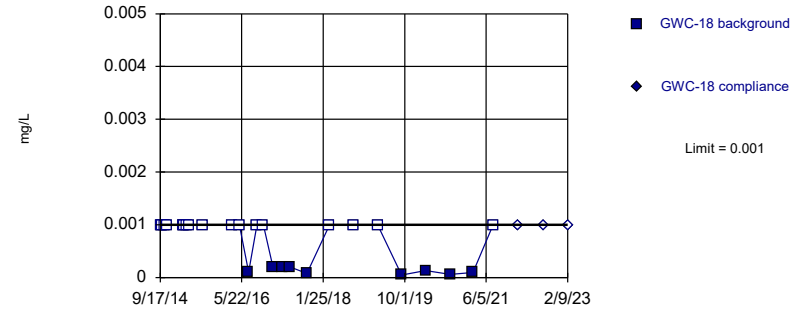


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

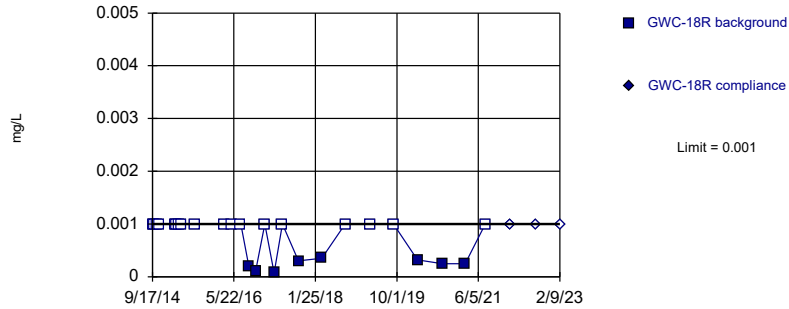


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 65.38% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

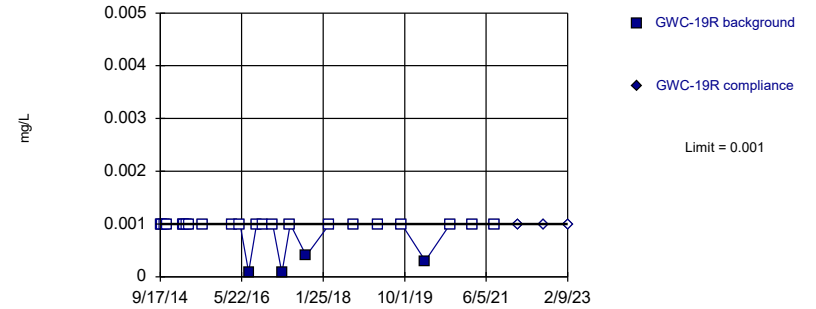


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

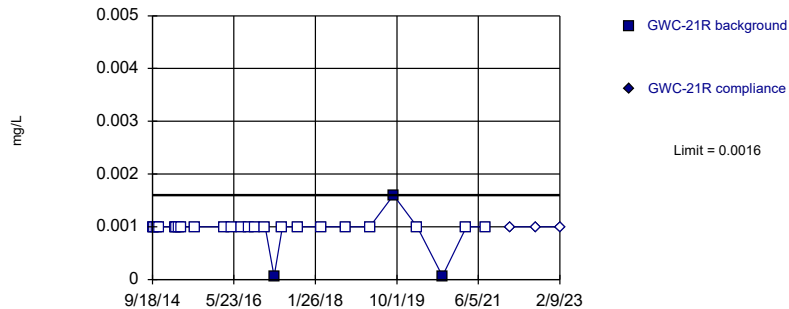


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

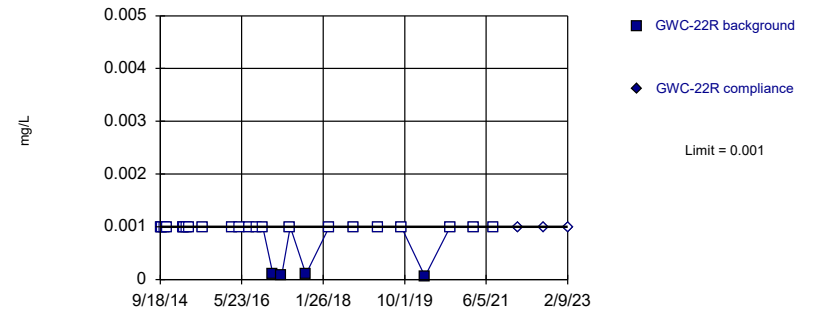


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

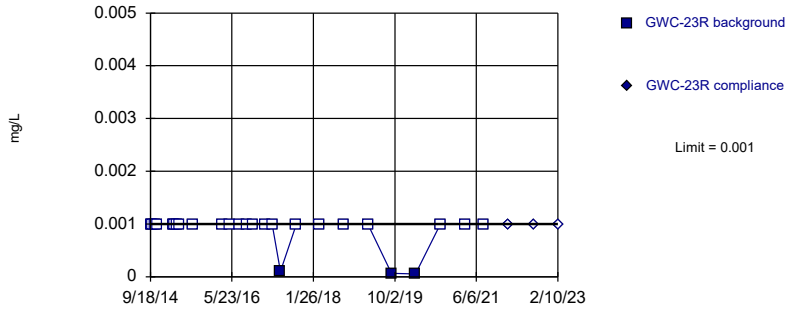


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

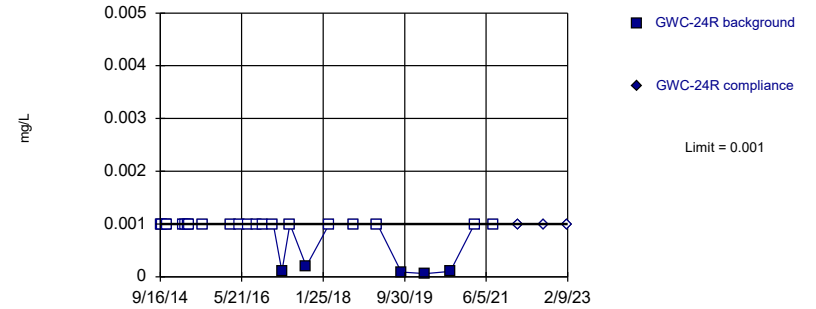


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

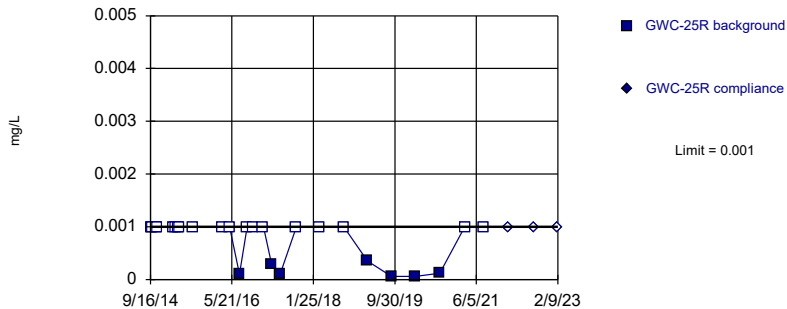


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

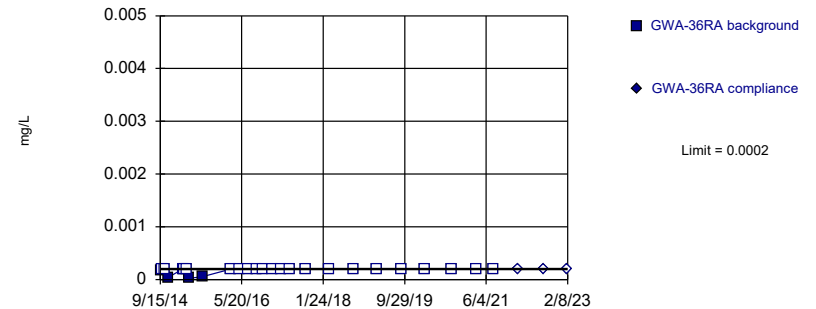


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

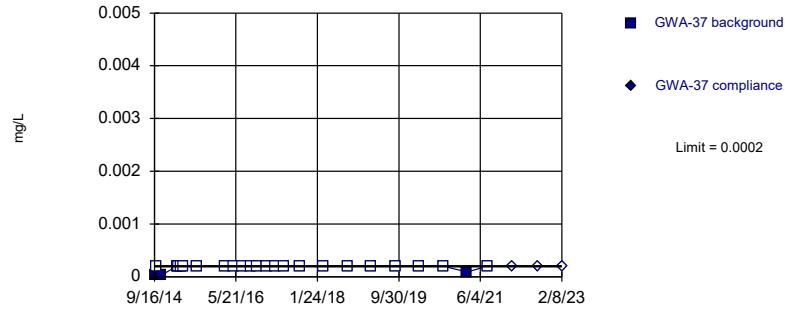


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

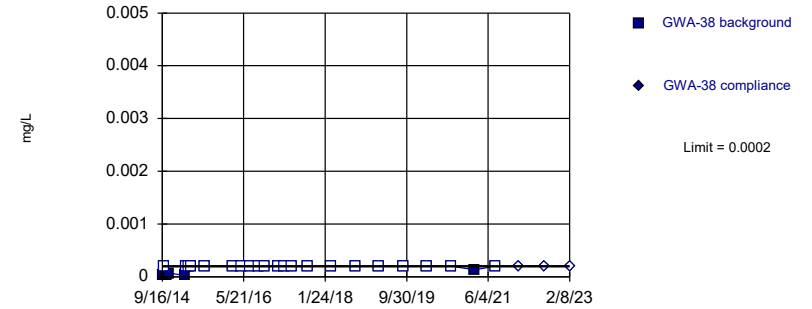


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

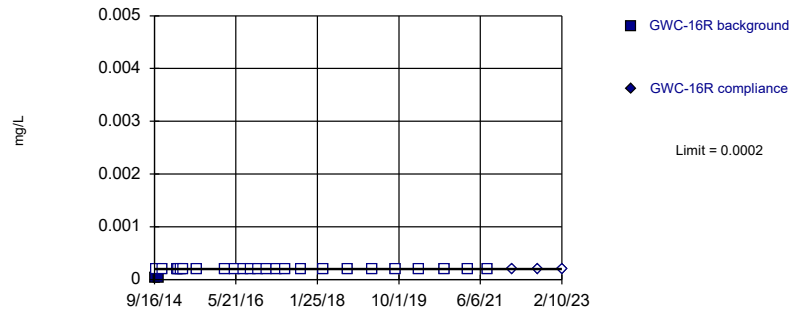


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

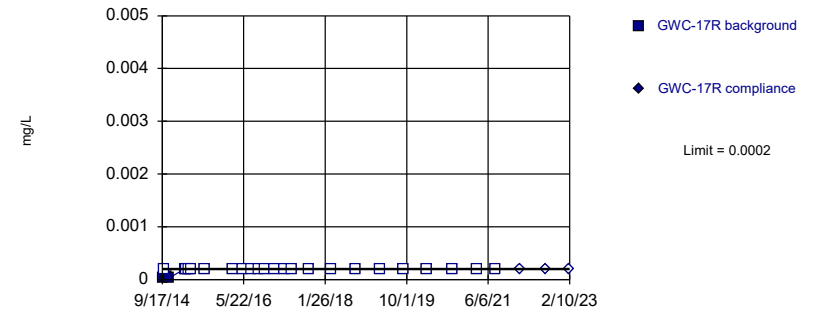


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

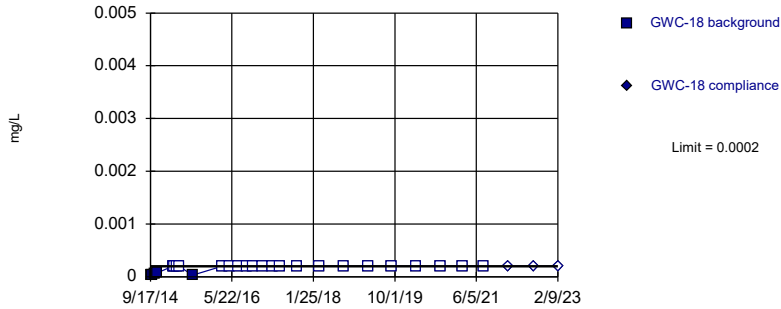


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

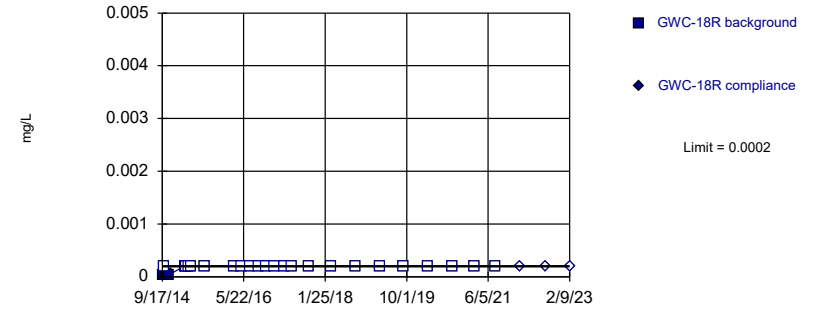


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

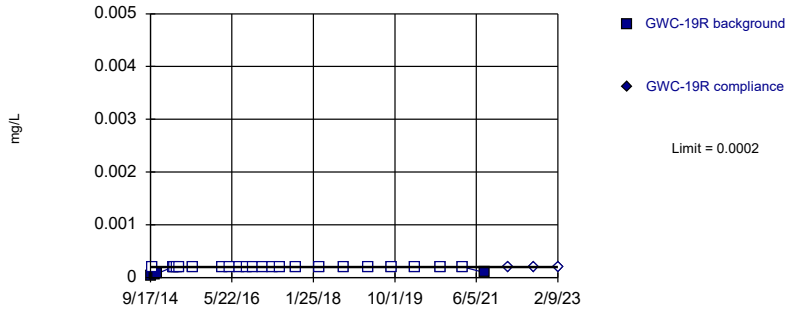


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

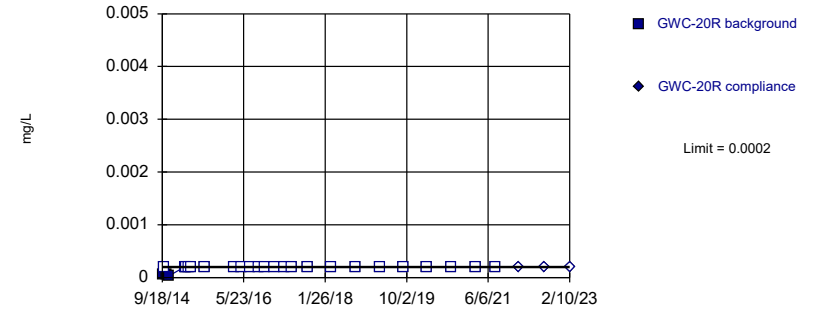


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

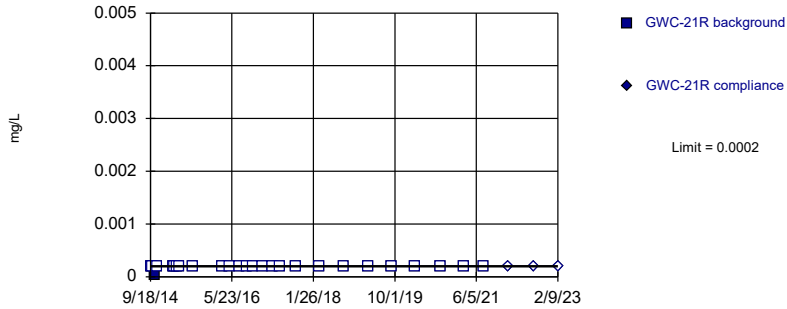


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

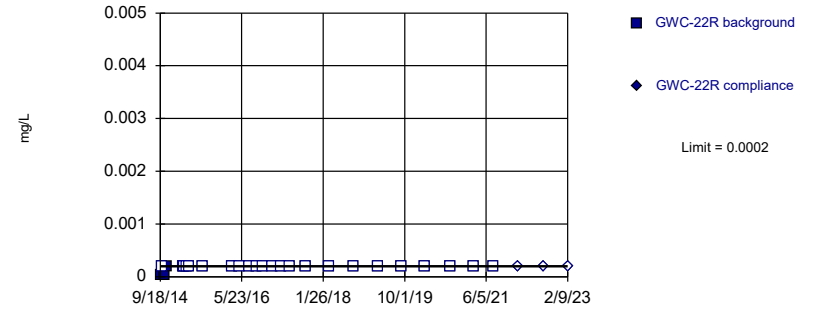


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

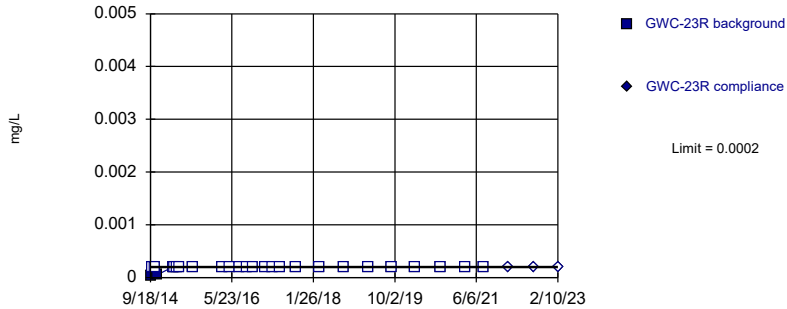


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

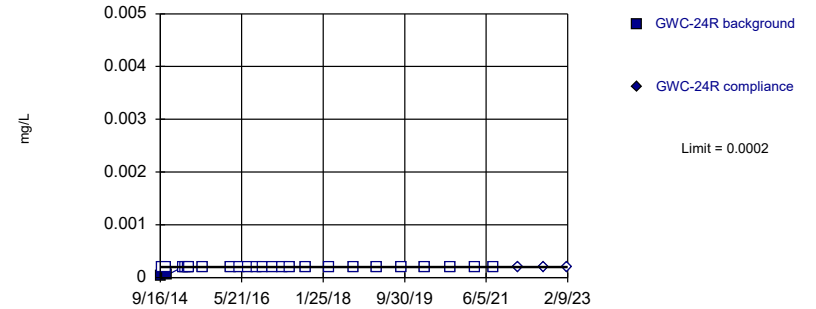


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

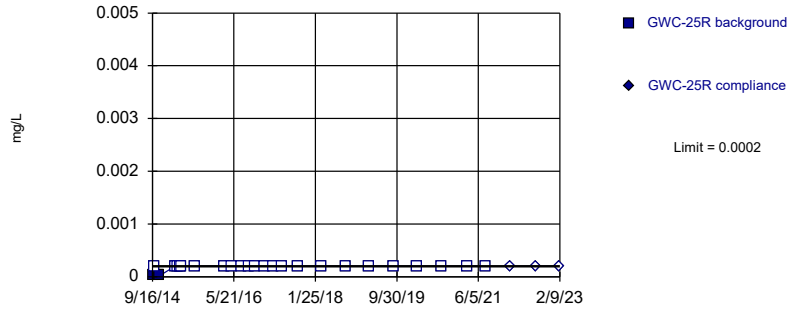


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

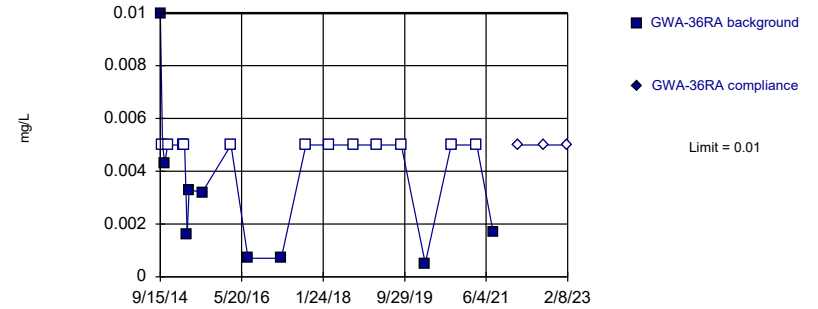


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

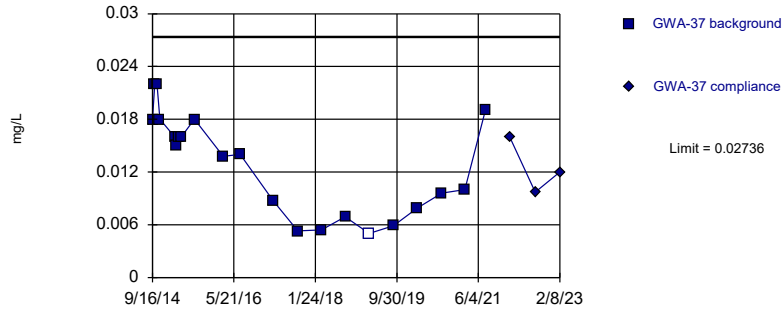


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

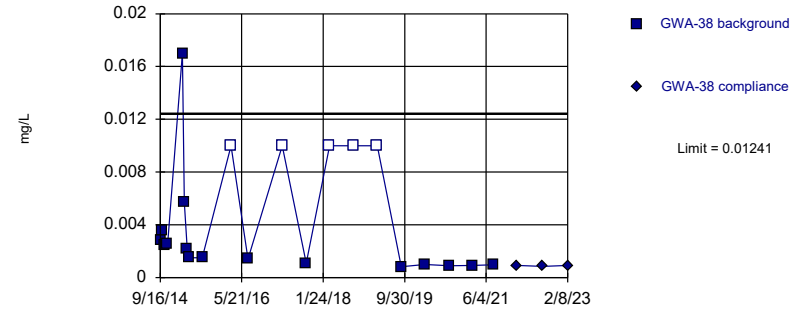


Background Data Summary: Mean=0.01298, Std. Dev.=0.005654, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9223, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

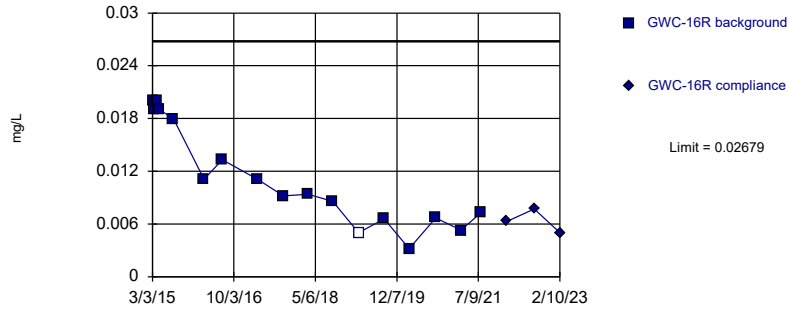


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.322, Std. Dev.=0.7598, n=21, 23.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8891, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

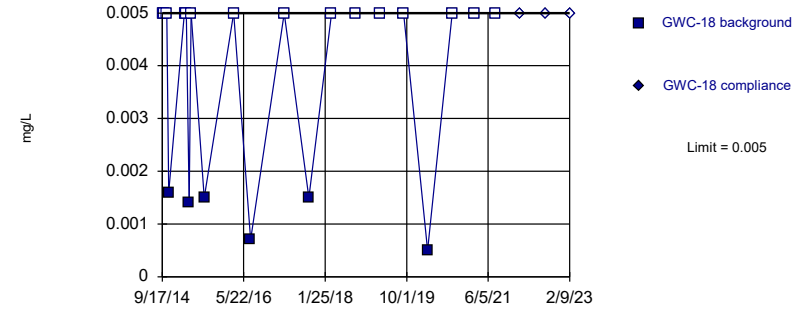


Background Data Summary: Mean=0.01134, Std. Dev.=0.005781, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8918, critical = 0.851. Kappa = 2.673 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

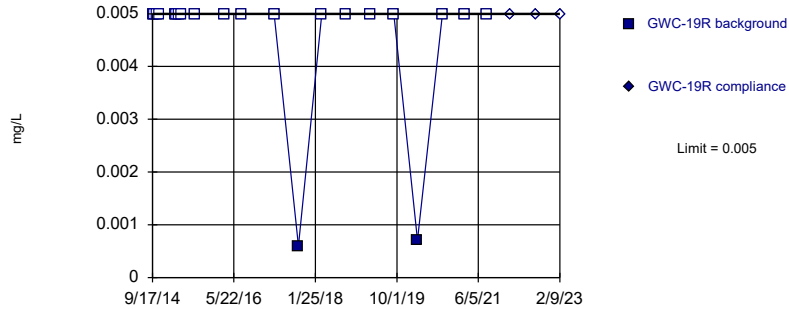


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

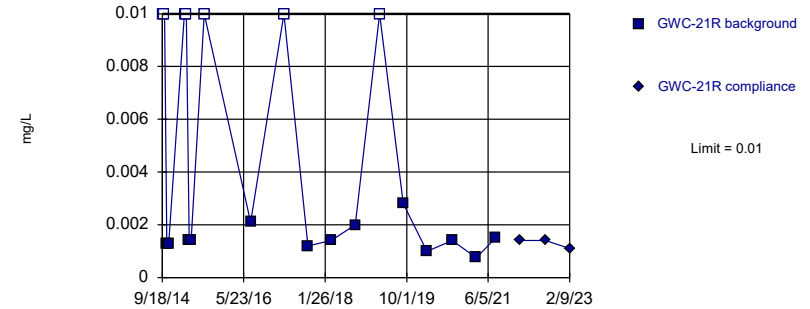


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

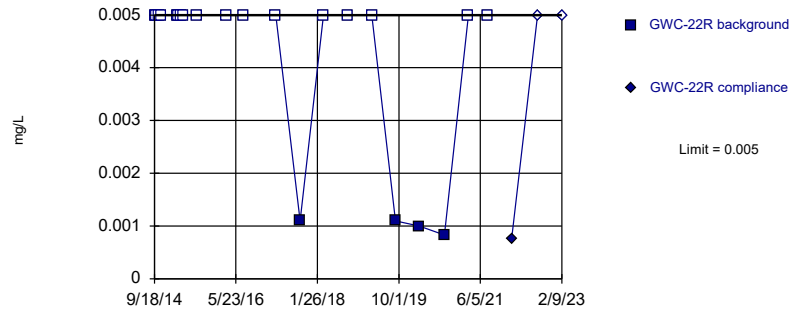


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

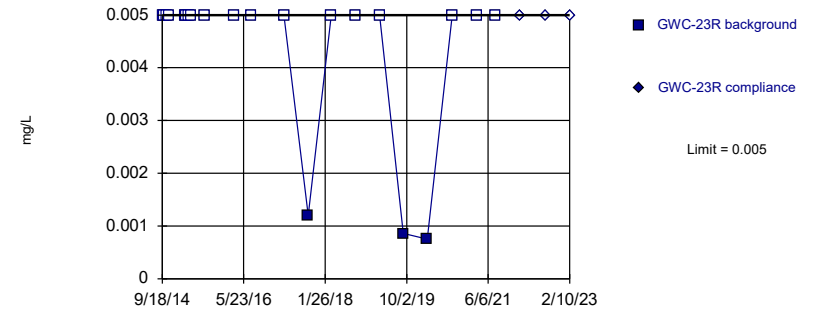


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

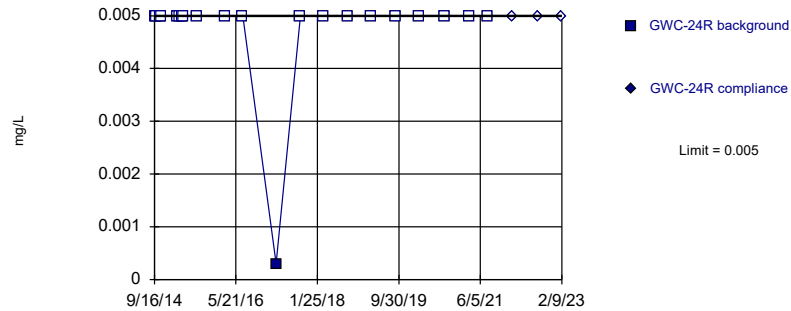


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

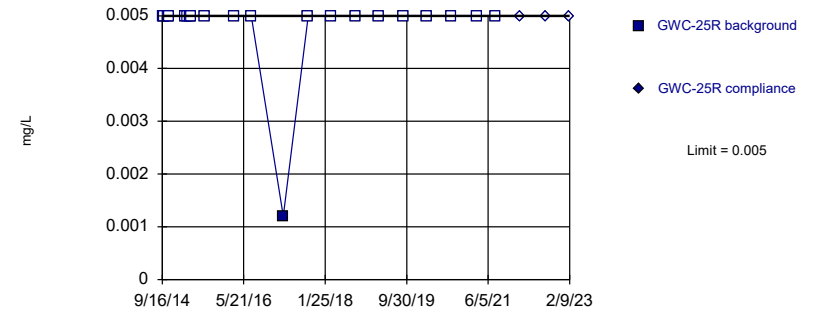


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

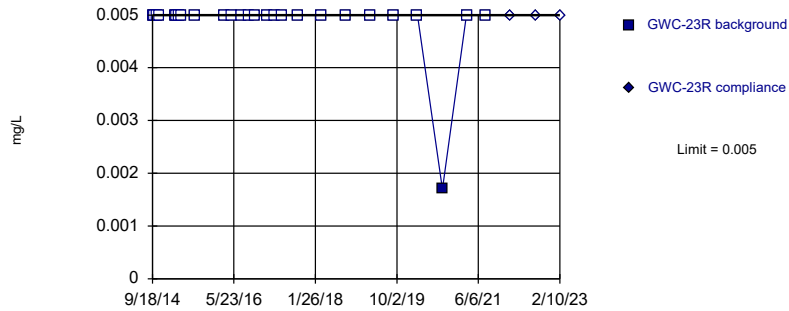


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

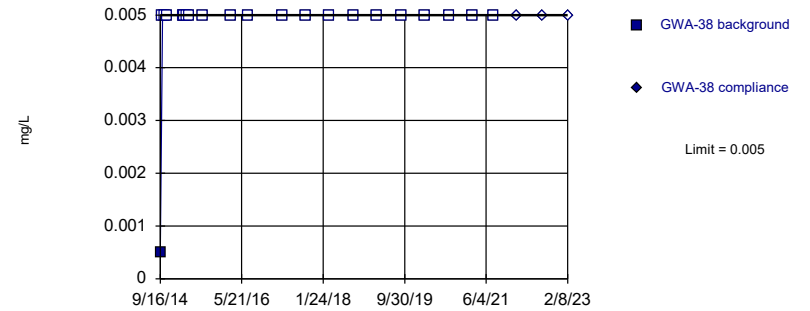


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Selenium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

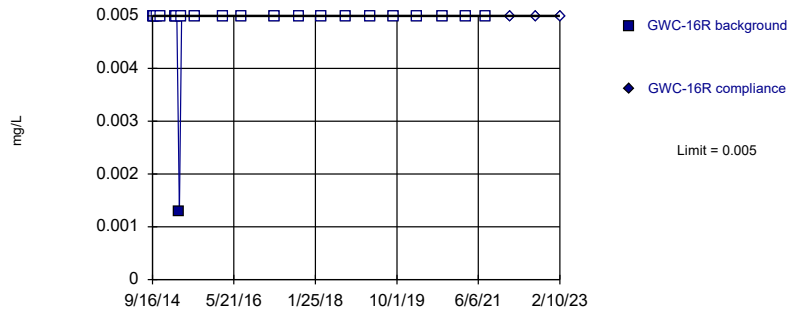


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

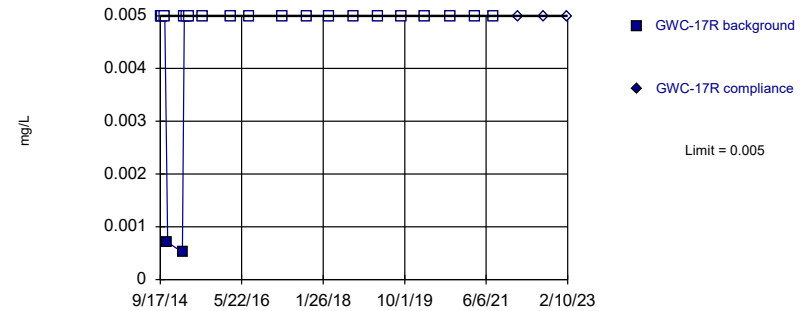


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

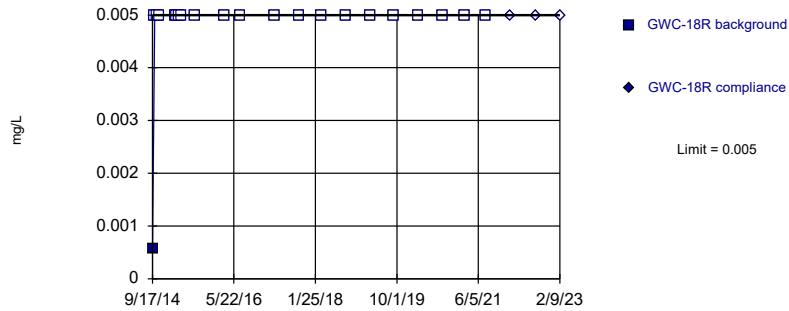


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

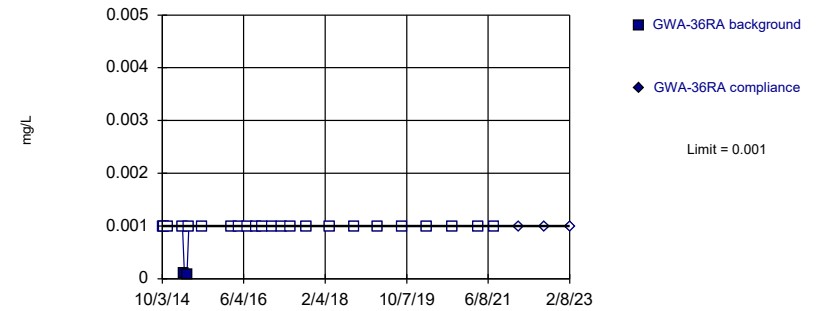


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

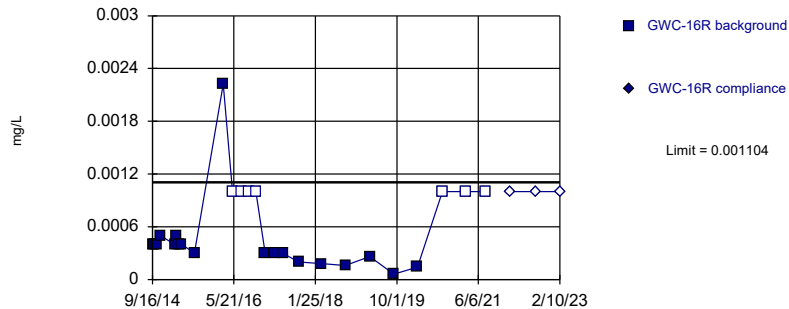


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

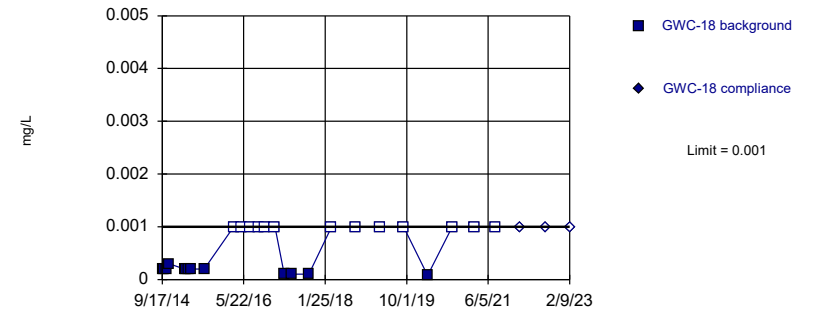


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.01531, Std. Dev.=0.007327, n=26, 26.92% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9007, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

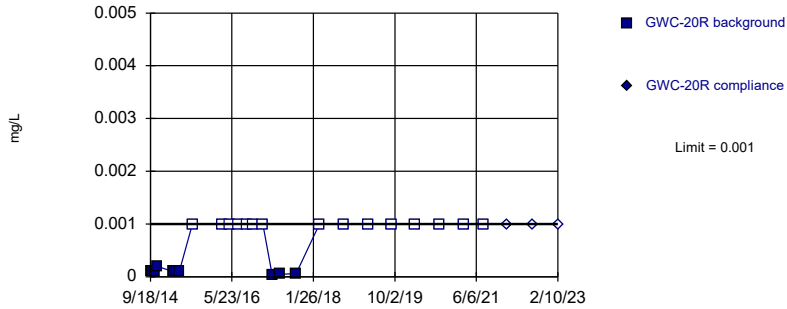


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

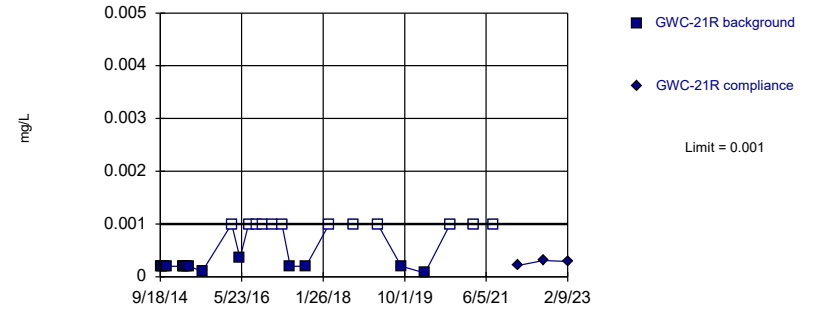


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 57.69% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

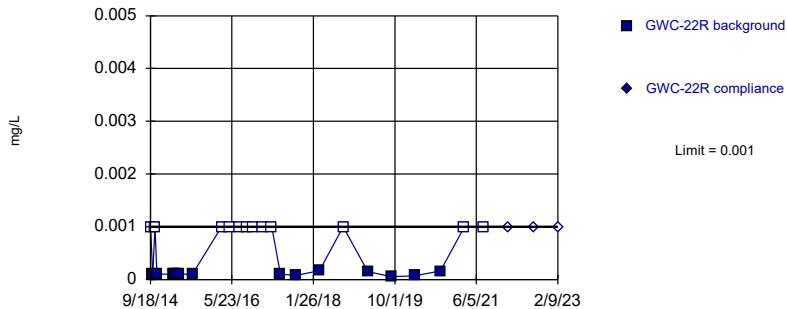


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

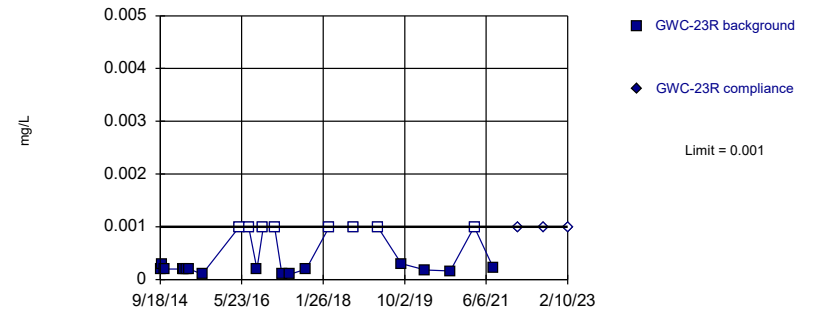


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

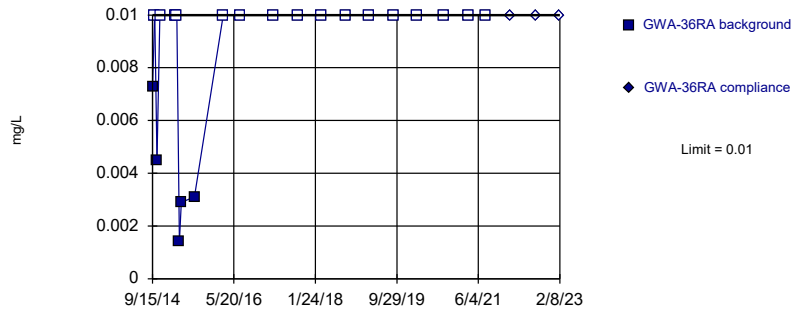


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

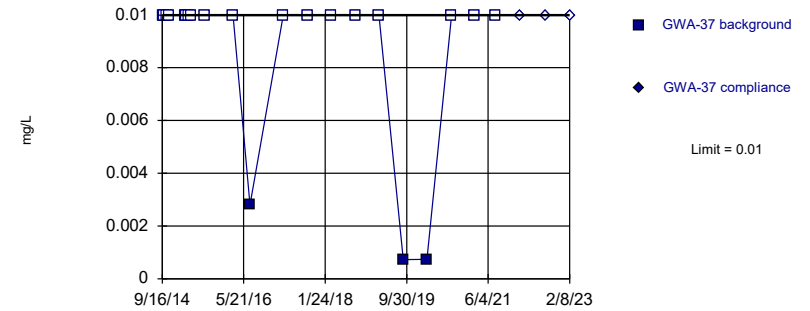


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

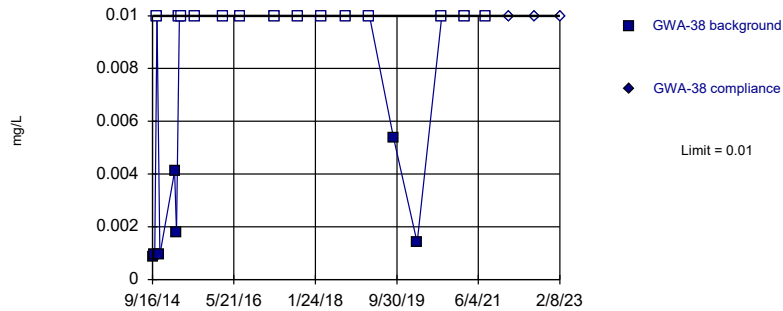


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

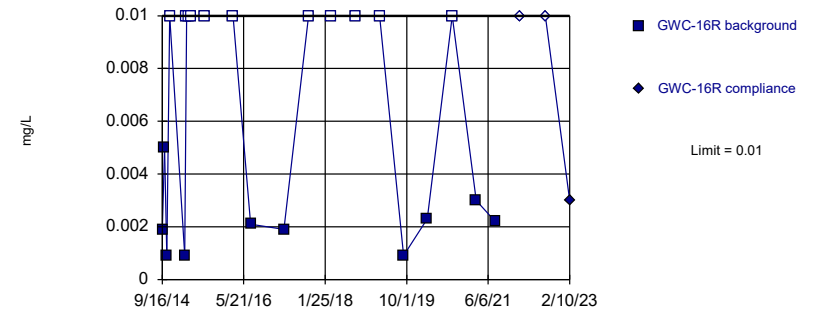


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

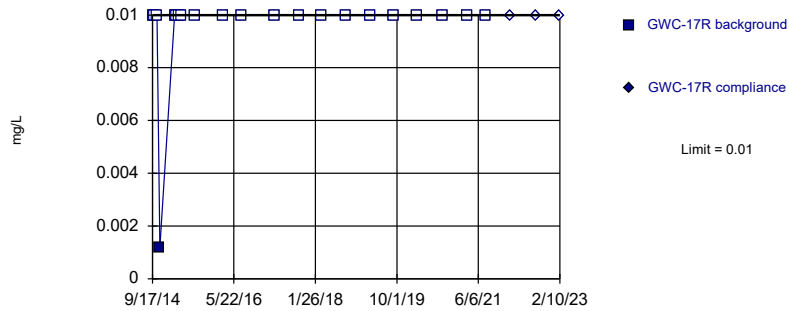


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

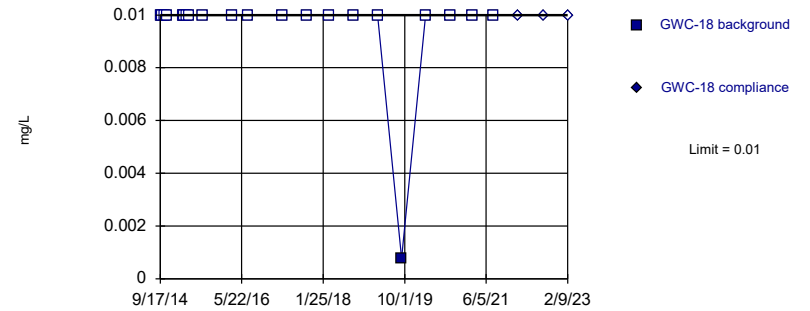


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

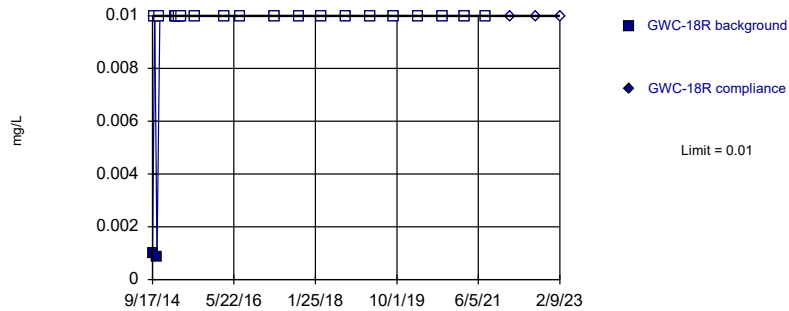


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

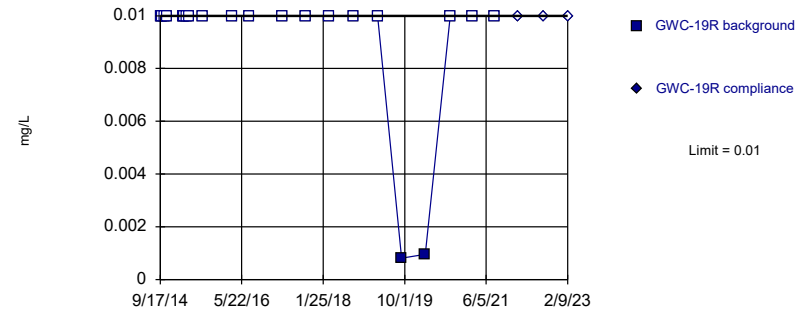


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

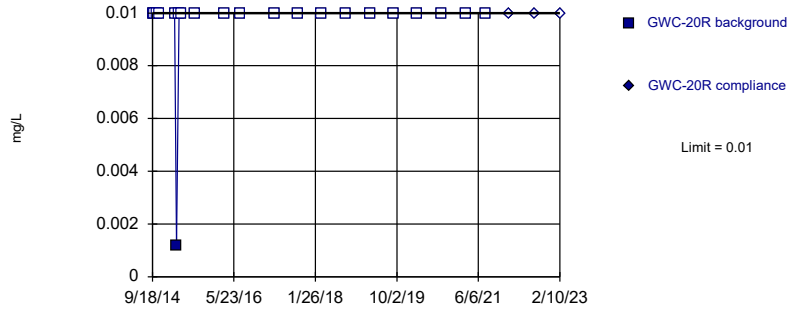


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

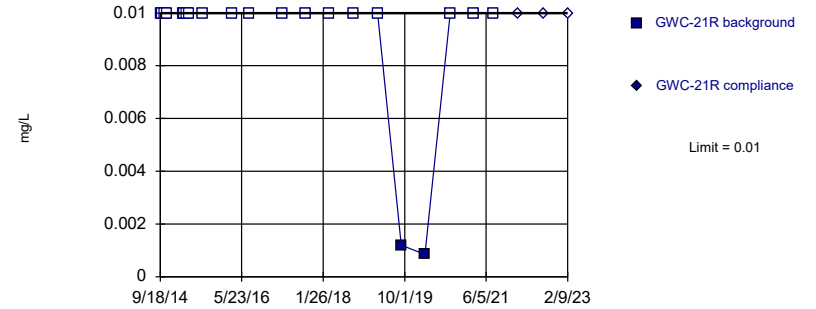


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

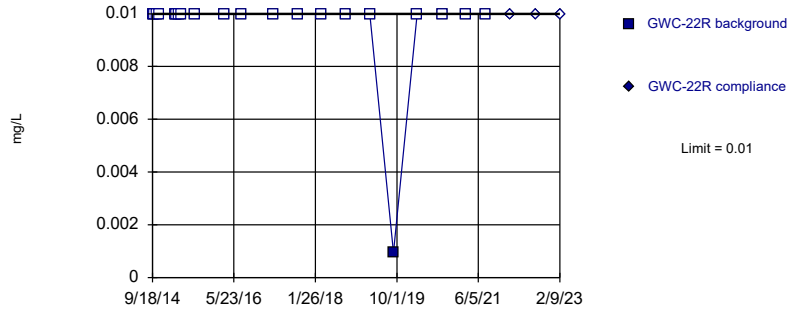


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

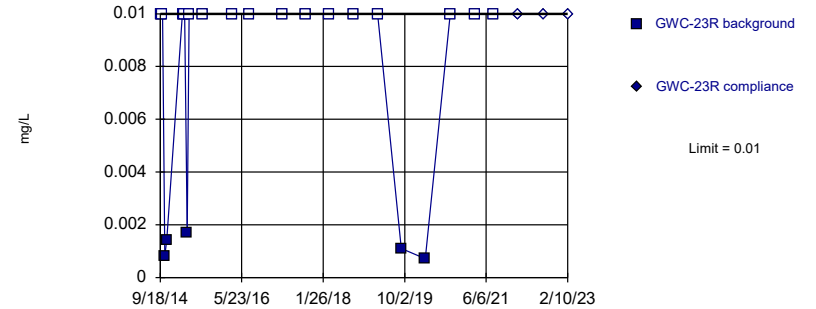


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

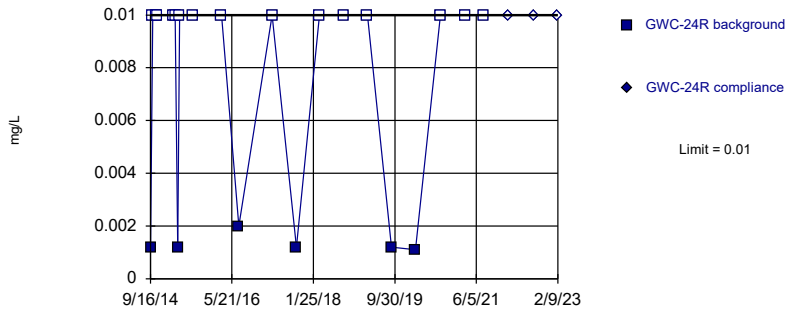


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

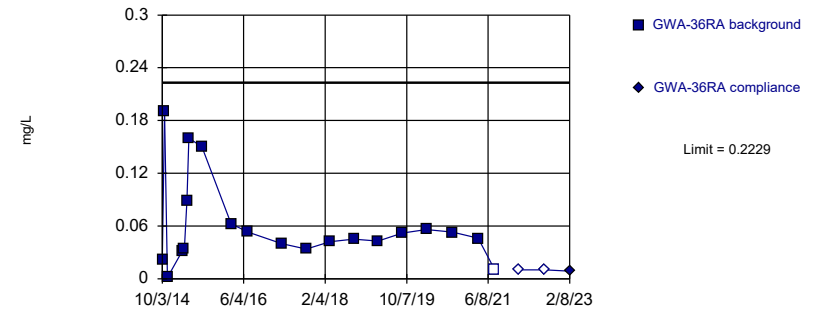


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

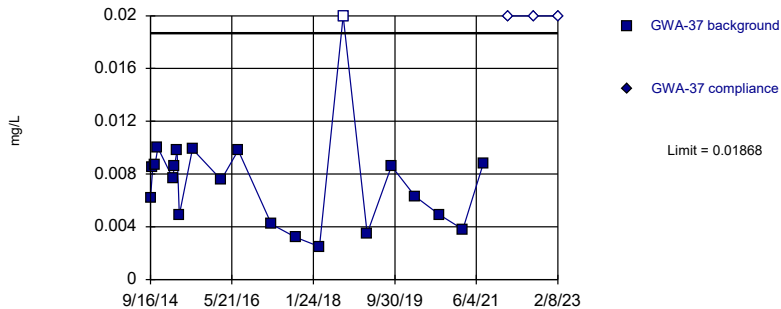


Background Data Summary (based on square root transformation): Mean=0.2283, Std. Dev.=0.09508, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9131, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

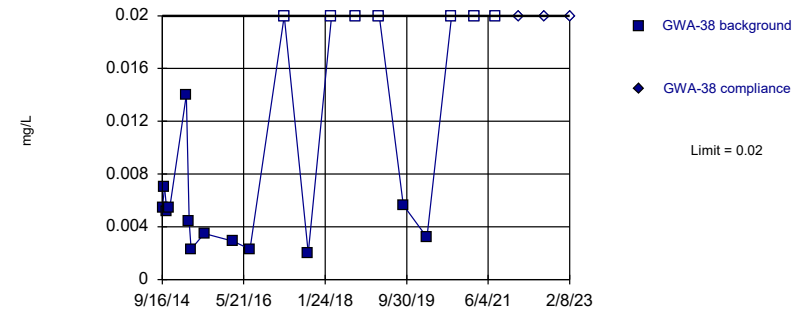


Background Data Summary (based on square root transformation): Mean=0.08422, Std. Dev.=0.02062, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9186, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

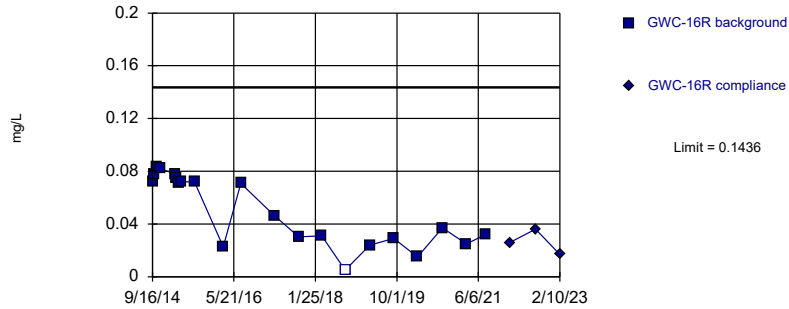


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

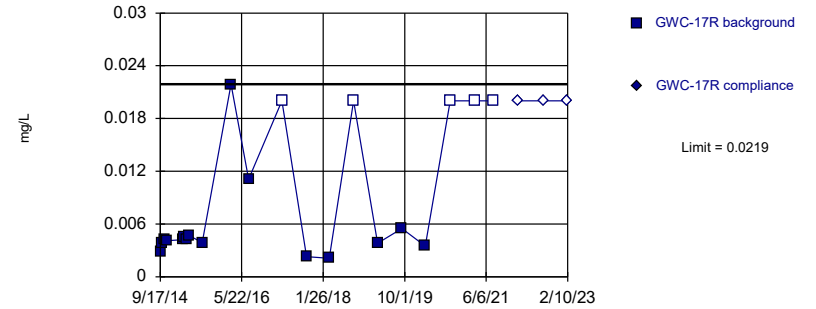


Background Data Summary (based on square root transformation): Mean=0.2147, Std. Dev.=0.06456, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8795, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

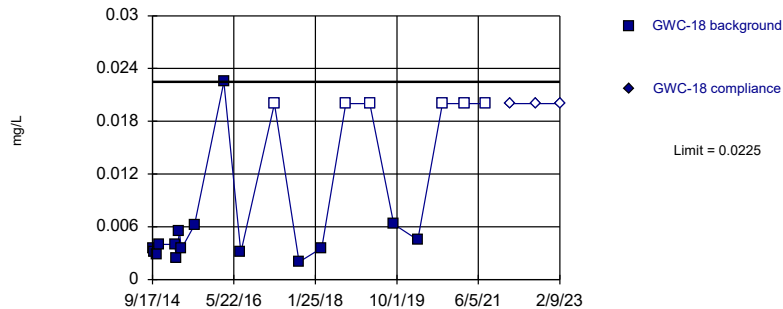


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 23.81% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

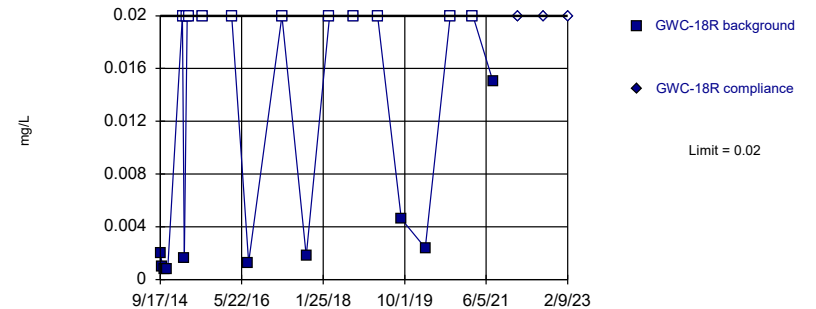


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 28.57% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

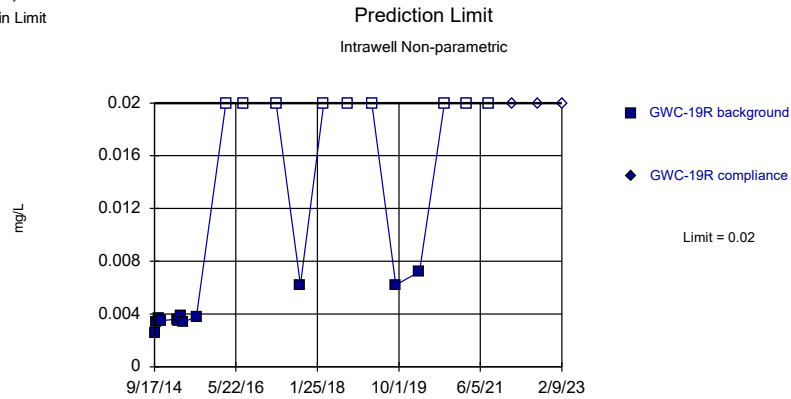
Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

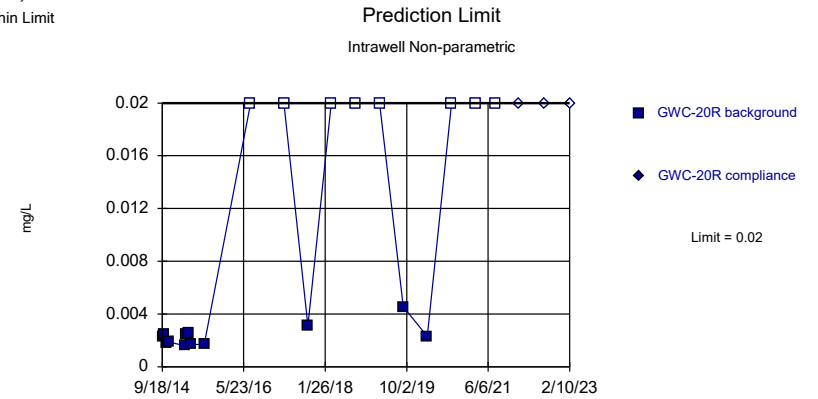
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

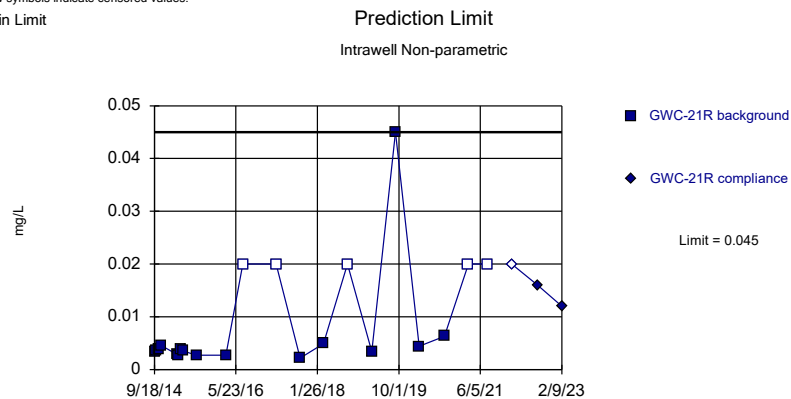
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

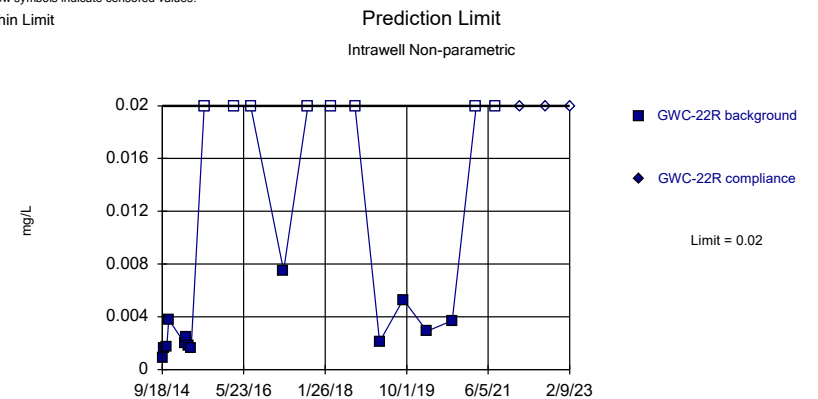
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 23.81% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

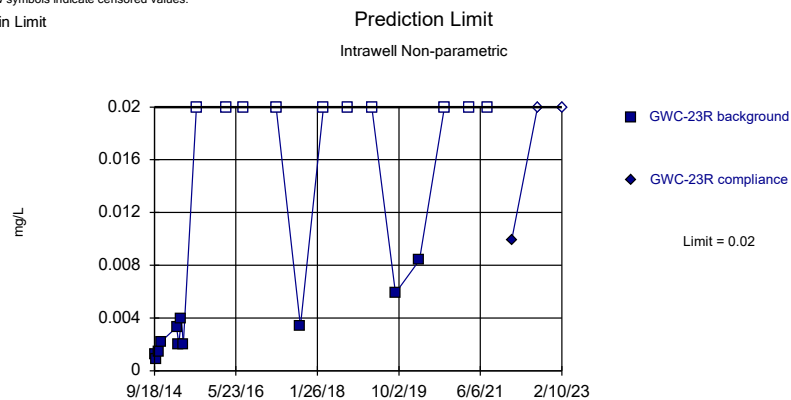
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

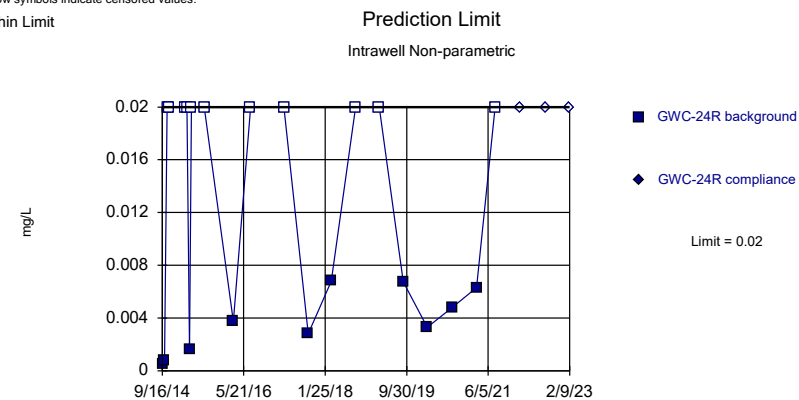
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 47.62% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:22 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

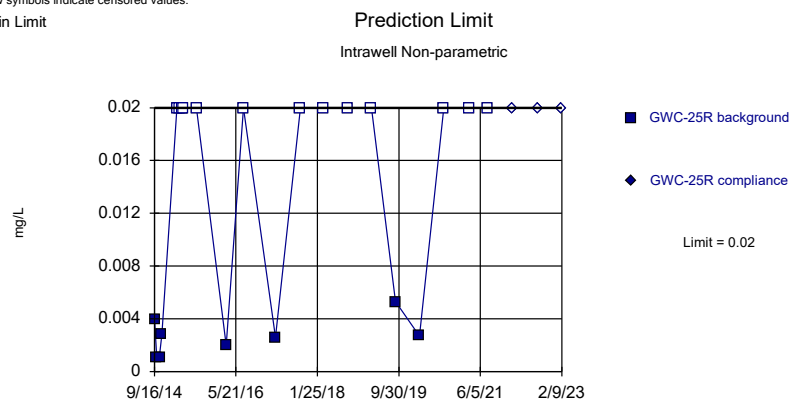
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:22 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 61.9% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:22 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/21/2015	<0.003	
7/28/2015	<0.003	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/6/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	<0.003	
3/14/2017	<0.003	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/7/2019	<0.003	
9/4/2019	<0.003	
3/2/2020	<0.003	
9/14/2020	<0.003	
3/26/2021	0.00092 (J)	
7/27/2021	<0.003	
1/26/2022		<0.003
8/8/2022		0.0015 (J)
2/8/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/22/2015	<0.003	
7/28/2015	<0.003	
3/1/2016	0.00214 (J)	
5/3/2016	0.00178 (J)	
7/8/2016	0.0023 (J)	
9/7/2016	0.0039	
10/25/2016	0.0035	
1/6/2017	0.0052	
3/14/2017	0.003	
5/16/2017	0.0026 (J)	
9/15/2017	0.0016 (J)	
3/12/2018	0.0023 (J)	
9/6/2018	0.0024 (J)	
3/6/2019	0.0019 (J)	
9/4/2019	0.0029 (J)	
3/2/2020	0.0018 (J)	
9/3/2020	0.0012 (J)	
2/24/2021	0.0012 (J)	
7/28/2021	0.0016 (J)	
1/26/2022		<0.003
8/8/2022		0.0018 (J)
2/8/2023		0.0013 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.0083	
10/4/2014	<0.0083	
10/21/2014	<0.0083	
11/11/2014	<0.0083	
3/3/2015	<0.0083	
3/18/2015	<0.0083	
4/6/2015	<0.0083	
4/23/2015	<0.0083	
7/29/2015	<0.0083	
3/3/2016	0.00472 (D)	
5/10/2016	0.0047	
7/13/2016	<0.0083	
9/15/2016	0.0013 (J)	
11/2/2016	0.0021 (J)	
1/11/2017	0.0086	
3/20/2017	0.0187	
5/23/2017	0.0097	
9/21/2017	0.0078	
3/14/2018	0.015	
9/7/2018	0.0026 (J)	
3/11/2019	0.02	
9/9/2019	0.011	
3/4/2020	0.019	
9/9/2020	0.015	
3/9/2021	0.018	
7/30/2021	0.019	
1/28/2022		0.027
8/11/2022		0.0099
2/10/2023		0.02

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/6/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/4/2016	<0.003	
5/10/2016	0.000641 (J)	
7/14/2016	<0.003	
9/14/2016	0.0012 (J)	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/23/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/10/2019	<0.003	
3/5/2020	<0.003	
9/9/2020	<0.003	
3/10/2021	<0.003	
7/30/2021	<0.003	
1/28/2022		<0.003
8/11/2022		<0.003
2/10/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/9/2019	<0.003	
3/6/2020	0.00049 (J)	
9/9/2020	<0.003	
2/26/2021	<0.003	
7/29/2021	<0.003	
1/28/2022		<0.003
8/10/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	0.000672 (J)	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	0.0005 (J)	
5/22/2017	<0.003	
9/21/2017	0.0008 (J)	
3/14/2018	<0.003	
9/7/2018	<0.003	
3/12/2019	0.00091 (J)	
9/6/2019	0.00028 (J)	
3/5/2020	0.00068 (J)	
9/9/2020	<0.003	
2/26/2021	0.00059 (J)	
7/29/2021	0.0024 (J)	
1/27/2022		<0.003
8/10/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	<0.003	
7/30/2015	<0.003	
3/8/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	0.001755 (JD)	
3/5/2020	<0.003	
9/4/2020	<0.003	
3/9/2021	<0.003	
8/2/2021	<0.003	
1/27/2022		<0.003
8/9/2022		<0.003
2/10/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0056	
10/5/2014	<0.0056	
10/22/2014	<0.0056	
11/5/2014	<0.0056	
3/4/2015	<0.0056	
3/19/2015	<0.0056	
4/8/2015	<0.0056	
4/24/2015	<0.0056	
7/30/2015	<0.0056	
3/8/2016	0.00318	
5/9/2016	0.00454	
7/15/2016	<0.0056	
9/9/2016	0.0033	
10/27/2016	0.0046	
1/12/2017	0.0064	
3/21/2017	0.0058	
5/23/2017	0.0023 (J)	
9/19/2017	0.0018 (J)	
3/14/2018	0.0063	
9/10/2018	0.0033	
3/11/2019	0.0029 (J)	
9/6/2019	0.01	
3/3/2020	0.0019 (J)	
9/8/2020	0.0041	
3/9/2021	0.0024 (J)	
8/2/2021	0.0048	
1/28/2022		0.0061
8/10/2022		0.0081
2/9/2023		0.0064

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/8/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/9/2016	0.003	
5/6/2016	0.000666 (J)	
7/15/2016	<0.003	
9/14/2016	0.0022 (J)	
11/1/2016	<0.003	
1/25/2017	<0.003	
3/22/2017	0.0006 (J)	
5/24/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	0.00029 (J)	
3/5/2020	<0.003	
9/9/2020	<0.003	
3/10/2021	<0.003	
7/30/2021	<0.003	
1/28/2022		<0.003
8/11/2022		<0.003
2/10/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.003	
10/4/2014	<0.003	
10/23/2014	<0.003	
11/10/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/8/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/4/2016	0.0271 (Jo)	
5/5/2016	0.000761 (J)	
7/12/2016	0.0094 (o)	
9/13/2016	0.0072 (o)	
10/27/2016	0.005	
1/13/2017	0.0012 (J)	
3/20/2017	0.0014 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	<0.003	
3/13/2018	0.0016 (J)	
9/11/2018	<0.003	
3/8/2019	<0.003	
9/5/2019	0.00031 (JD)	
3/3/2020	<0.003	
9/9/2020	0.00094 (J)	
3/9/2021	0.00035 (J)	
7/29/2021	0.0011 (J)	
1/28/2022		<0.003
8/9/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.003	
10/4/2014	<0.003	
10/23/2014	<0.003	
11/10/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/9/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/8/2016	0.0226 (o)	
5/4/2016	0.00107 (J)	
7/18/2016	0.0004 (J)	
9/13/2016	0.0028 (J)	
10/27/2016	0.0011 (J)	
1/13/2017	<0.003	
3/16/2017	0.0009 (J)	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	0.00093 (J)	
9/11/2018	<0.003	
3/8/2019	<0.003	
9/5/2019	<0.003	
3/3/2020	<0.003	
9/4/2020	0.0013 (J)	
3/9/2021	<0.003	
8/2/2021	<0.003	
1/27/2022		<0.003
8/9/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0036 (J)	
10/3/2014	<0.005	
10/20/2014	0.0022 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0008 (J)	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	0.0007 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0005 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00053 (J)	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/26/2022		0.0019 (J)
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	0.0062	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/25/2016	<0.005	
2/9/2017	<0.005	
3/23/2017	<0.005	
5/17/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	0.00061 (J)	
9/6/2018	0.00071 (J)	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00059 (J)	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/25/2022		<0.005
8/5/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	0.08869 (oD)	
5/10/2016	0.00128 (J)	
7/13/2016	0.001 (J)	
9/15/2016	0.0017 (J)	
11/2/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/21/2017	0.001 (J)	
3/14/2018	0.0013 (J)	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	0.00094 (J)	
3/4/2020	0.00088 (J)	
9/9/2020	0.0011 (J)	
3/9/2021	0.00094 (J)	
7/30/2021	0.0025 (J)	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
5/10/2016	<0.005	
7/14/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0009 (J)	
5/23/2017	<0.005	
9/22/2017	0.0008 (J)	
3/14/2018	0.00092 (J)	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	0.0053	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	0.00091 (J)	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	0.00099 (J)	
3/6/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	0.0015 (J)	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0006 (J)	
5/22/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	0.00057 (J)	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	0.00042 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	0.002 (J)	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0007 (J)	
5/22/2017	<0.005	
9/20/2017	<0.005	
3/14/2018	0.00076 (J)	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	0.00082 (J)	
3/4/2020	0.00072 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0008 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/22/2017	<0.005	
5/22/2017	<0.005	
9/19/2017	0.0006 (J)	
3/14/2018	0.0011 (J)	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00047 (JD)	
3/5/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	0.0028 (J)	
1/27/2022		<0.005
8/9/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0148 (o)	
5/9/2016	0.00347 (J)	
7/15/2016	0.0017 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	0.002 (J)	
3/21/2017	0.0021 (J)	
5/23/2017	<0.005	
9/19/2017	0.0013 (J)	
3/14/2018	0.0033 (J)	
9/10/2018	<0.005	
3/11/2019	0.0038 (J)	
9/6/2019	0.0024 (J)	
3/3/2020	0.0015 (J)	
9/8/2020	0.0023 (J)	
3/9/2021	0.0045 (J)	
8/2/2021	0.0071	
1/28/2022		0.0031 (J)
8/10/2022		0.0025 (J)
2/9/2023		0.0025 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/14/2016	0.001 (J)	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/19/2017	0.0021 (J)	
3/13/2018	0.00087 (J)	
9/7/2018	<0.005	
3/11/2019	0.00099 (J)	
9/5/2019	0.0024 (J)	
3/3/2020	0.0014 (J)	
9/8/2020	0.0025 (J)	
3/9/2021	0.0018 (J)	
8/2/2021	0.0041 (J)	
1/27/2022		0.0045 (J)
8/10/2022		0.0035 (J)
2/9/2023		0.003 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	0.0006 (J)	
9/21/2017	<0.005	
3/14/2018	0.0014 (J)	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00054 (J)	
3/5/2020	<0.005	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	0.006	
1/28/2022		0.0026 (J)
8/11/2022		<0.005
2/10/2023		0.0032 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	0.0015 (J)	
5/5/2016	<0.005	
7/12/2016	0.0009 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0013 (J)	
5/19/2017	0.001 (J)	
9/19/2017	<0.005	
3/13/2018	0.0015 (J)	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	0.0005 (JD)	
3/3/2020	<0.005	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/29/2021	0.0031 (J)	
1/28/2022		0.0021 (J)
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0004 (J)	
5/19/2017	0.0005 (J)	
9/19/2017	<0.005	
3/13/2018	0.00073 (J)	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	0.0036 (J)	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.031	
10/3/2014	0.024	
10/20/2014	0.024	
11/10/2014	0.014	
3/2/2015	0.013	
3/17/2015	0.013	
4/5/2015	0.022	
4/21/2015	0.018	
7/28/2015	0.022	
3/1/2016	0.021	
5/2/2016	0.0225	
7/6/2016	0.0249	
9/7/2016	0.0251	
10/25/2016	0.0274	
1/5/2017	0.028	
3/14/2017	0.02	
5/16/2017	0.0221	
9/15/2017	0.0231	
3/12/2018	0.023	
9/6/2018	0.024	
3/7/2019	0.018	
9/4/2019	0.026	
3/2/2020	0.024	
9/14/2020	0.03	
3/26/2021	0.02	
7/27/2021	0.043	
1/26/2022		0.035
8/8/2022		0.038
2/8/2023		0.038

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.0071	
10/3/2014	0.0087	
10/20/2014	0.0085	
11/10/2014	0.008	
3/2/2015	0.0063	
3/17/2015	0.0066	
4/5/2015	0.0068	
4/22/2015	0.0094	
7/28/2015	0.0057	
3/1/2016	0.0101	
5/3/2016	0.0104	
7/8/2016	0.0095 (J)	
9/7/2016	0.0095 (J)	
10/25/2016	0.0121	
1/6/2017	0.014	
3/14/2017	0.009 (J)	
5/16/2017	0.0084 (J)	
9/15/2017	0.0078 (J)	
3/12/2018	0.006 (J)	
9/6/2018	0.0058 (J)	
3/6/2019	0.0052 (J)	
9/4/2019	0.005 (J)	
3/2/2020	0.005 (J)	
9/3/2020	0.0045 (J)	
2/24/2021	0.0044 (J)	
7/28/2021	0.0052	
1/26/2022		0.0046 (J)
8/8/2022		0.0035 (J)
2/8/2023		0.0039 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.014	
10/3/2014	0.016	
10/20/2014	0.014	
11/10/2014	0.015	
3/2/2015	0.03 (o)	
3/17/2015	0.018	
4/6/2015	0.014	
4/22/2015	0.012	
7/28/2015	0.012	
3/2/2016	0.0123	
5/3/2016	0.0114	
7/7/2016	0.012	
9/8/2016	0.0131	
10/25/2016	0.0122	
2/9/2017	0.0104	
3/23/2017	0.0128	
5/17/2017	0.0113	
9/19/2017	0.0114	
3/13/2018	0.011	
9/6/2018	0.011	
3/7/2019	0.011	
9/4/2019	0.0115 (D)	
3/2/2020	0.012	
9/3/2020	0.011	
2/24/2021	0.013	
7/28/2021	0.013	
1/25/2022		0.012
8/5/2022		0.012
2/8/2023		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.069	
10/4/2014	0.057	
10/21/2014	0.056	
11/11/2014	0.05	
3/3/2015	0.045	
3/18/2015	0.044	
4/6/2015	0.045	
4/23/2015	0.041	
7/29/2015	0.043	
3/3/2016	0.0806	
5/10/2016	0.0495	
7/13/2016	0.0374	
9/15/2016	0.0542	
11/2/2016	0.0561	
1/11/2017	0.0401	
3/20/2017	0.0383	
5/23/2017	0.0376	
9/21/2017	0.0418	
3/14/2018	0.036	
9/7/2018	0.047	
3/11/2019	0.044	
9/9/2019	0.03	
3/4/2020	0.045	
9/9/2020	0.051	
3/9/2021	0.058	
7/30/2021	0.045	
1/28/2022		0.049
8/11/2022		0.034
2/10/2023		0.053

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	0.019	
10/4/2014	0.02	
10/21/2014	0.02	
11/11/2014	0.021	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.02	
3/4/2016	0.0262 (Jo)	
5/10/2016	0.0204	
7/14/2016	0.0198	
9/14/2016	0.0183	
11/1/2016	0.0209	
1/11/2017	0.0194	
3/21/2017	0.0201	
5/23/2017	0.0199	
9/22/2017	0.0195	
3/14/2018	0.02	
9/11/2018	0.019	
3/12/2019	0.021	
9/10/2019	0.019	
3/5/2020	0.018	
9/9/2020	0.018	
3/10/2021	0.019	
7/30/2021	0.019	
1/28/2022		0.018
8/11/2022		0.017
2/10/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	0.035	
10/4/2014	0.038	
10/21/2014	0.034	
11/5/2014	0.04	
3/3/2015	0.033	
3/18/2015	0.031	
4/7/2015	0.038	
4/23/2015	0.031	
7/29/2015	0.045	
3/7/2016	<3 (o)	
5/5/2016	0.0278	
7/13/2016	0.0255	
9/13/2016	0.0251	
10/31/2016	0.0277	
1/12/2017	0.0258	
3/23/2017	0.0254	
5/23/2017	0.0247	
9/25/2017	0.0228	
3/14/2018	0.025	
9/11/2018	0.019	
3/12/2019	0.014	
9/9/2019	0.028	
3/6/2020	0.015	
9/9/2020	0.016	
2/26/2021	0.017	
7/29/2021	0.016	
1/28/2022		0.044
8/10/2022		0.013
2/9/2023		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.015	
10/4/2014	<0.0013	
10/21/2014	0.027 (o)	
11/11/2014	0.028 (o)	
3/3/2015	0.034 (o)	
3/18/2015	0.014	
4/7/2015	0.017	
4/23/2015	0.013	
7/29/2015	0.013	
3/7/2016	0.0129	
5/5/2016	0.0149	
7/13/2016	0.0132	
9/12/2016	0.0142	
11/1/2016	0.0127	
1/11/2017	0.0146	
3/20/2017	0.0147	
5/22/2017	0.0146	
9/21/2017	0.0152	
3/14/2018	0.014	
9/7/2018	0.015	
3/12/2019	0.014	
9/6/2019	0.014	
3/5/2020	0.015	
9/9/2020	0.014	
2/26/2021	0.015	
7/29/2021	0.015	
1/27/2022		0.014
8/10/2022		0.014
2/9/2023		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	0.018	
10/4/2014	0.017	
10/21/2014	0.017	
11/5/2014	0.017	
3/3/2015	0.016	
3/19/2015	0.015	
4/7/2015	0.017	
4/24/2015	0.015	
7/29/2015	0.016	
3/7/2016	<3 (o)	
5/9/2016	0.0162	
7/14/2016	0.0142	
9/12/2016	0.0154	
10/31/2016	0.015	
1/11/2017	0.0148	
3/21/2017	0.0159	
5/22/2017	0.0155	
9/20/2017	0.0164	
3/14/2018	0.016	
9/10/2018	0.016	
3/12/2019	0.016	
9/9/2019	0.015	
3/4/2020	0.017	
9/9/2020	0.014	
2/26/2021	0.016	
8/5/2021	0.017	
1/27/2022		0.016
8/9/2022		0.014
2/9/2023		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.031	
10/5/2014	0.032	
10/22/2014	0.03	
11/5/2014	0.031	
3/4/2015	0.026	
3/19/2015	0.028	
4/7/2015	0.031	
4/24/2015	0.027	
7/30/2015	0.032	
3/8/2016	0.0298	
5/9/2016	0.0304	
7/14/2016	0.0307	
9/12/2016	0.0331	
10/31/2016	0.0321	
1/12/2017	0.0291	
3/22/2017	0.025	
5/22/2017	0.0276	
9/19/2017	0.034	
3/14/2018	0.03	
9/10/2018	0.028	
3/12/2019	0.03	
9/6/2019	0.0275 (D)	
3/5/2020	0.028	
9/4/2020	0.033	
3/9/2021	0.027	
8/2/2021	0.03	
1/27/2022		0.028
8/9/2022		0.029
2/10/2023		0.031

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.023	
10/5/2014	0.025	
10/22/2014	0.025	
11/5/2014	0.025	
3/4/2015	0.024	
3/19/2015	0.024	
4/8/2015	0.027	
4/24/2015	0.025	
7/30/2015	0.025	
3/8/2016	0.0377	
5/9/2016	0.0347	
7/15/2016	0.0259	
9/9/2016	0.0242	
10/27/2016	0.0227	
1/12/2017	0.0253	
3/21/2017	0.0292	
5/23/2017	0.0282	
9/19/2017	0.0276	
3/14/2018	0.024	
9/10/2018	0.016	
3/11/2019	0.015	
9/6/2019	0.041	
3/3/2020	0.022	
9/8/2020	0.015	
3/9/2021	0.014	
8/2/2021	0.024	
1/28/2022		0.037
8/10/2022		0.03
2/9/2023		0.031

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	0.057	
10/5/2014	0.052	
10/22/2014	0.052	
11/5/2014	<0.0013	
3/4/2015	0.046	
3/19/2015	0.045	
4/8/2015	0.045	
4/24/2015	0.039	
7/30/2015	0.039	
3/7/2016	0.026	
5/5/2016	0.0374	
7/14/2016	0.0271	
9/12/2016	0.045	
10/27/2016	0.0359	
1/13/2017	0.0338	
3/20/2017	0.033	
5/23/2017	0.0287	
9/19/2017	0.0389	
3/13/2018	0.028	
9/7/2018	0.055	
3/11/2019	0.048	
9/5/2019	0.045	
3/3/2020	0.044	
9/8/2020	0.054	
3/9/2021	0.045	
8/2/2021	0.034	
1/27/2022		0.06
8/10/2022		0.042
2/9/2023		0.04

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.042	
10/5/2014	0.038	
10/22/2014	0.029	
11/5/2014	0.031	
3/4/2015	0.03	
3/20/2015	0.027	
4/8/2015	0.032	
4/23/2015	0.026	
7/30/2015	0.029	
3/9/2016	0.0284 (J)	
5/6/2016	0.0233	
7/15/2016	0.0208	
9/14/2016	0.0198	
11/1/2016	0.0207	
1/25/2017	0.0195	
3/22/2017	0.0211	
5/24/2017	0.0217	
9/21/2017	0.0226	
3/14/2018	0.024	
9/11/2018	0.023	
3/12/2019	0.022	
9/6/2019	0.021	
3/5/2020	0.022	
9/9/2020	0.036	
3/10/2021	0.026	
7/30/2021	0.028	
1/28/2022		0.036
8/11/2022		0.034
2/10/2023		0.038

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.019	
10/4/2014	0.019	
10/23/2014	0.019	
11/10/2014	0.019	
3/4/2015	0.021	
3/20/2015	0.02	
4/8/2015	0.023	
4/23/2015	0.02	
7/30/2015	0.021	
3/4/2016	0.0422 (o)	
5/5/2016	0.0249	
7/12/2016	0.0246	
9/13/2016	0.0236	
10/27/2016	0.0229	
1/13/2017	0.0292	
3/20/2017	0.029	
5/19/2017	0.0295	
9/19/2017	0.0248	
3/13/2018	0.031	
9/11/2018	0.024	
3/8/2019	0.02	
9/5/2019	0.021 (D)	
3/3/2020	0.02	
9/9/2020	0.024	
3/9/2021	0.021	
7/29/2021	0.014	
1/28/2022		0.025
8/9/2022		0.015
2/9/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.015	
10/4/2014	0.015	
10/23/2014	0.015	
11/10/2014	0.015	
3/4/2015	0.016	
3/20/2015	0.015	
4/9/2015	0.016	
4/23/2015	0.015	
7/30/2015	0.015	
3/8/2016	0.0161	
5/4/2016	0.0167	
7/18/2016	0.0162	
9/13/2016	0.0161	
10/27/2016	0.016	
1/13/2017	0.015	
3/16/2017	0.0163	
5/19/2017	0.0164	
9/19/2017	0.0147	
3/13/2018	0.015	
9/11/2018	0.015	
3/8/2019	0.017	
9/5/2019	0.016	
3/3/2020	0.015	
9/4/2020	0.016	
3/9/2021	0.016	
8/2/2021	0.018	
1/27/2022		0.017
8/9/2022		0.015
2/9/2023		0.016

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0032	
10/3/2014	<0.003	
10/20/2014	0.0014	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	8.3E-05 (J)	
4/5/2015	0.00038 (J)	
4/21/2015	0.0011 (J)	
7/28/2015	0.00092 (J)	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/6/2016	0.0002 (J)	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	0.0001 (J)	
3/14/2017	0.0001 (J)	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	5.6E-05 (J)	
9/6/2018	<0.003	
3/7/2019	6.8E-05 (J)	
9/4/2019	<0.003	
3/2/2020	0.00015 (J)	
9/14/2020	0.00012 (J)	
3/26/2021	0.00019 (J)	
7/27/2021	8.1E-05 (J)	
1/26/2022		<0.003
8/8/2022		<0.003
2/8/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/22/2015	8.3E-05 (J)	
7/28/2015	<0.003	
3/1/2016	<0.003	
5/3/2016	<0.003	
7/8/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/6/2017	<0.003	
3/14/2017	<0.003	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/6/2019	<0.003	
9/4/2019	<0.003	
3/2/2020	<0.003	
9/3/2020	<0.003	
2/24/2021	<0.003	
7/28/2021	<0.003	
1/26/2022		<0.003
8/8/2022		<0.003
2/8/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.003	
10/3/2014	8.3E-05 (J)	
10/20/2014	7.8E-05 (J)	
11/10/2014	8E-05 (J)	
3/2/2015	0.00034 (J)	
3/17/2015	0.00014 (J)	
4/6/2015	<0.003	
4/22/2015	7.8E-05 (J)	
7/28/2015	<0.003	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/7/2016	<0.003	
9/8/2016	<0.003	
10/25/2016	<0.003	
2/9/2017	<0.003	
3/23/2017	<0.003	
5/17/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	<0.003	
3/7/2019	<0.003	
9/4/2019	<0.003	
3/2/2020	<0.003	
9/3/2020	<0.003	
2/24/2021	<0.003	
7/28/2021	<0.003	
1/25/2022		<0.003
8/5/2022		<0.003
2/8/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	9E-05 (J)	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	7.8E-05 (J)	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/9/2019	<0.003	
3/6/2020	<0.003	
9/9/2020	<0.003	
2/26/2021	<0.003	
7/29/2021	<0.003	
1/28/2022		<0.003
8/10/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	7.8E-05 (J)	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	<0.003	
5/22/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	0.00011 (J)	
9/7/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	<0.003	
3/5/2020	0.00013 (J)	
9/9/2020	0.0002 (J)	
2/26/2021	0.0002 (J)	
7/29/2021	0.00015 (J)	
1/27/2022		5.5E-05 (J)
8/10/2022		5.6E-05 (J)
2/9/2023		0.00015 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	<0.003	
3/3/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/22/2017	<0.003	
9/20/2017	0.0001 (J)	
3/14/2018	6.5E-05 (J)	
9/10/2018	<0.003	
3/12/2019	<0.003	
9/9/2019	<0.003	
3/4/2020	0.00013 (J)	
9/9/2020	<0.003	
2/26/2021	<0.003	
8/5/2021	9.9E-05 (J)	
1/27/2022		<0.003
8/9/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	8.3E-05 (J)	
7/30/2015	<0.003	
3/8/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	<0.003	
3/5/2020	<0.003	
9/4/2020	<0.003	
3/9/2021	<0.003	
8/2/2021	<0.003	
1/27/2022		<0.003
8/9/2022		<0.003
2/10/2023		<0.003

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.001 (J)	
10/3/2014	<0.0005	
10/20/2014	0.00036 (J)	
11/10/2014	<0.0005	
3/2/2015	<0.0005	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/21/2015	0.00044 (J)	
7/28/2015	0.00027 (J)	
3/1/2016	0.000207 (J)	
5/2/2016	0.000154 (J)	
7/6/2016	0.0002 (J)	
9/7/2016	0.0002 (J)	
10/25/2016	0.0002 (J)	
1/5/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	0.0001 (J)	
9/15/2017	<0.0005	
3/12/2018	0.00013 (J)	
9/6/2018	0.00011 (J)	
3/7/2019	0.00017 (J)	
9/4/2019	0.00016 (J)	
3/2/2020	0.00018 (J)	
9/14/2020	0.00016 (J)	
3/26/2021	0.00015 (J)	
7/27/2021	0.00014 (J)	
1/26/2022		<0.0005
8/8/2022		0.00016 (J)
2/8/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.0005	
10/3/2014	<0.0005	
10/20/2014	<0.0005	
11/10/2014	0.00026 (J)	
3/2/2015	<0.0005	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/22/2015	<0.0005	
7/28/2015	<0.0005	
3/1/2016	0.000103 (J)	
5/3/2016	<0.0005	
7/8/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/6/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/6/2019	9.3E-05 (J)	
9/4/2019	<0.0005	
3/2/2020	<0.0005	
9/3/2020	<0.0005	
2/24/2021	<0.0005	
7/28/2021	0.00025 (J)	
1/26/2022		<0.0005
8/8/2022		0.00032 (J)
2/8/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.0005	
10/3/2014	<0.0005	
10/20/2014	<0.0005	
11/10/2014	<0.0005	
3/2/2015	0.00035 (J)	
3/17/2015	<0.0005	
4/6/2015	<0.0005	
4/22/2015	<0.0005	
7/28/2015	<0.0005	
3/2/2016	0.000109 (J)	
5/3/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	0.0001 (J)	
10/25/2016	<0.0005	
2/9/2017	0.0001 (J)	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019	<0.0005	
9/4/2019	<0.0005	
3/2/2020	<0.0005	
9/3/2020	<0.0005	
2/24/2021	<0.0005	
7/28/2021	<0.0005	
1/25/2022		<0.0005
8/5/2022		<0.0005
2/8/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.0005	
10/4/2014	<0.0005	
10/21/2014	<0.0005	
11/5/2014	<0.0005	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/7/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	<0.0005	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/13/2016	<0.0005	
9/13/2016	<0.0005	
10/31/2016	8E-05 (J)	
1/12/2017	<0.0005	
3/23/2017	<0.0005	
5/23/2017	<0.0005	
9/25/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019	<0.0005	
9/9/2019	<0.0005	
3/6/2020	<0.0005	
9/9/2020	<0.0005	
2/26/2021	<0.0005	
7/29/2021	<0.0005	
1/28/2022		<0.0005
8/10/2022		<0.0005
2/9/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0005	
10/5/2014	<0.0005	
10/22/2014	<0.0005	
11/5/2014	<0.0005	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/8/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/9/2016	<0.0005	
7/15/2016	<0.0005	
9/9/2016	<0.0005	
10/27/2016	<0.0005	
1/12/2017	<0.0005	
3/21/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	0.00021 (J)	
3/11/2019	<0.0005	
9/6/2019	<0.0005	
3/3/2020	<0.0005	
9/8/2020	<0.0005	
3/9/2021	<0.0005	
8/2/2021	<0.0005	
1/28/2022		<0.0005
8/10/2022		<0.0005
2/9/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.0005	
10/5/2014	<0.0005	
10/22/2014	<0.0005	
11/5/2014	<0.0005	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/8/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	8E-05 (J)	
3/20/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/7/2018	<0.0005	
3/11/2019	<0.0005	
9/5/2019	<0.0005	
3/3/2020	<0.0005	
9/8/2020	<0.0005	
3/9/2021	<0.0005	
8/2/2021	<0.0005	
1/27/2022		<0.0005
8/10/2022		<0.0005
2/9/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.0005	
10/4/2014	<0.0005	
10/23/2014	<0.0005	
11/10/2014	<0.0005	
3/4/2015	<0.0005	
3/20/2015	<0.0005	
4/9/2015	<0.0005	
4/23/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/4/2016	<0.0005	
7/18/2016	<0.0005	
9/13/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	0.0001 (J)	
3/16/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/8/2019	<0.0005	
9/5/2019	<0.0005	
3/3/2020	<0.0005	
9/4/2020	<0.0005	
3/9/2021	<0.0005	
8/2/2021	<0.0005	
1/27/2022		<0.0005
8/9/2022		<0.0005
2/9/2023		<0.0005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0028	
10/3/2014	<0.005	
10/20/2014	0.0029	
11/10/2014	0.0017	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0018	
7/28/2015	0.0015	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0005 (J)	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	0.0008 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	0.0013 (J)	
3/2/2020	0.00047 (J)	
9/14/2020	<0.005	
3/26/2021	0.0006 (J)	
7/27/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.0015	
10/3/2014	0.0015	
10/20/2014	0.0011 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0006 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	0.018 (o)	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0026	
10/3/2014	0.0021	
10/20/2014	0.0023	
11/10/2014	0.0022	
3/2/2015	0.0021	
3/17/2015	0.0022	
4/6/2015	0.0016	
4/22/2015	0.0013	
7/28/2015	0.0014	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	0.002 (J)	
9/8/2016	0.001 (J)	
10/25/2016	0.0028 (J)	
2/9/2017	0.0012 (J)	
3/23/2017	<0.005	
5/17/2017	0.0019 (J)	
9/19/2017	0.0022 (J)	
3/13/2018	0.0017 (J)	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	0.00155 (JD)	
3/2/2020	0.0014 (J)	
9/3/2020	0.0013 (J)	
2/24/2021	0.0018 (J)	
7/28/2021	0.0015 (J)	
1/25/2022		0.0014 (J)
8/5/2022		<0.005
2/8/2023		0.0012 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0033	
10/4/2014	0.0011 (J)	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	0.001 (J)	
7/29/2015	<0.005	
3/3/2016	<0.005	
5/10/2016	<0.005	
7/13/2016	0.0008 (J)	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/11/2017	0.0012 (J)	
3/20/2017	0.0013 (J)	
5/23/2017	0.0007 (J)	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	0.0014 (J)	
9/9/2020	0.00056 (J)	
3/9/2021	0.0024 (J)	
7/30/2021	0.0017 (J)	
1/28/2022		0.0011 (J)
8/11/2022		<0.005
2/10/2023		0.0011 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.0014	
3/3/2015	0.001 (J)	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
5/10/2016	<0.005	
7/14/2016	0.0035 (J)	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	<0.005	
5/23/2017	0.0021 (J)	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	0.00063 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.01	
10/4/2014	0.0034	
10/21/2014	<0.01	
11/5/2014	0.0042	
3/3/2015	0.0038	
3/18/2015	0.0031	
4/7/2015	0.0037	
4/23/2015	0.0033	
7/29/2015	0.0033	
3/7/2016	<0.01 (o)	
5/5/2016	0.00385 (J)	
7/13/2016	0.0029 (J)	
9/13/2016	0.0029 (J)	
10/31/2016	0.0017 (J)	
1/12/2017	0.0025 (J)	
3/23/2017	<0.01 (o)	
5/23/2017	0.0029 (J)	
9/25/2017	0.0018 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	0.0017 (J)	
3/12/2019	<0.01	
9/9/2019	0.001 (J)	
3/6/2020	0.0019 (J)	
9/9/2020	0.001 (J)	
2/26/2021	0.0014 (J)	
7/29/2021	0.0014 (J)	
1/28/2022		0.0014 (J)
8/10/2022		0.0014 (J)
2/9/2023		0.0015 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.025 (o)	
10/21/2014	0.024 (o)	
11/11/2014	0.025 (o)	
3/3/2015	0.029 (o)	
3/18/2015	<0.005	
4/7/2015	0.008	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	0.0006 (J)	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0005	
5/22/2017	0.0005	
9/21/2017	0.0008	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00053 (J)	
3/5/2020	0.0007 (J)	
9/9/2020	<0.005	
2/26/2021	0.00069 (J)	
7/29/2021	<0.005	
1/27/2022		0.0015 (J)
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	0.001 (J)	
10/21/2014	0.0011 (J)	
11/5/2014	0.001 (J)	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0005 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	<0.005	
5/22/2017	0.0005 (J)	
9/20/2017	0.0008 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	0.00056 (J)	
3/4/2020	0.001 (J)	
9/9/2020	<0.005	
2/26/2021	0.00067 (J)	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	0.001 (J)	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	0.001 (J)	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0008 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	0.0011 (J)	
3/22/2017	<0.005	
5/22/2017	0.0007 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00071 (JD)	
3/5/2020	0.00075 (J)	
9/4/2020	0.00078 (J)	
3/9/2021	0.00094 (J)	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.001 (J)	
10/5/2014	0.0013	
10/22/2014	0.0016	
11/5/2014	0.0013	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	0.001 (J)	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/15/2016	<0.005	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	<0.005	
5/23/2017	0.0004 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/11/2019	<0.005	
9/6/2019	0.00078 (J)	
3/3/2020	0.00058 (J)	
9/8/2020	0.0013 (J)	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/28/2022		<0.005
8/10/2022		0.0023 (J)
2/9/2023		0.0017 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0004 (J)	
5/23/2017	0.0005 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00057 (J)	
9/8/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	0.0013	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	0.0012 (J)	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	0.0005 (J)	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	0.0023 (J)	
3/22/2017	<0.005	
5/24/2017	0.0011 (J)	
9/21/2017	0.0014 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	0.00086 (J)	
9/9/2020	<0.005	
3/10/2021	0.00073 (J)	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	<0.005	
5/5/2016	<0.005	
7/12/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	<0.005	
5/19/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00052 (J)	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	0.0005 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0008 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	0.0007 (J)	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	0.00044 (J)	
3/3/2020	0.00078 (J)	
9/4/2020	0.00073 (J)	
3/9/2021	0.00079 (J)	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0039	
10/3/2014	<0.005	
10/20/2014	0.0014	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0012 (J)	
7/28/2015	0.0012 (J)	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	0.00096 (J)	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.00077 (J)	
10/3/2014	0.0013	
10/20/2014	0.001 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	0.00202 (J)	
5/3/2016	<0.005	
7/8/2016	0.0004 (J)	
9/7/2016	0.0009 (J)	
10/25/2016	0.0022 (J)	
1/6/2017	0.0011 (J)	
3/14/2017	0.0009 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0029	
10/20/2014	0.0022	
11/10/2014	0.0022	
3/17/2015	0.0044 (o)	
4/6/2015	0.002	
4/22/2015	0.0016	
7/28/2015	0.0017	
3/2/2016	<0.01 (o)	
5/3/2016	<0.01 (o)	
7/7/2016	0.0015 (J)	
9/8/2016	0.0018 (J)	
10/25/2016	0.0019 (J)	
2/9/2017	0.0017 (J)	
3/23/2017	0.0018 (J)	
5/17/2017	0.0016 (J)	
9/19/2017	0.0012 (J)	
3/13/2018	0.0013 (J)	
9/6/2018	0.00094 (J)	
3/7/2019	0.00087 (J)	
9/4/2019	0.000935 (JD)	
3/2/2020	0.0011 (J)	
9/3/2020	0.00091 (J)	
2/24/2021	0.0011 (J)	
7/28/2021	0.001 (J)	
1/25/2022		0.0011 (J)
8/5/2022		0.00095 (J)
2/8/2023		0.001 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0026	
10/4/2014	0.0015	
10/21/2014	0.00099 (J)	
11/11/2014	0.00097 (J)	
3/3/2015	0.00078 (J)	
3/18/2015	0.00081 (J)	
4/6/2015	0.0011 (J)	
4/23/2015	0.0007 (J)	
7/29/2015	<0.005	
3/3/2016	0.00451 (JD)	
5/10/2016	0.00478 (J)	
7/13/2016	0.0003 (J)	
9/15/2016	0.0018 (J)	
11/2/2016	0.0022 (J)	
1/11/2017	<0.005	
3/20/2017	<0.005	
5/23/2017	0.001 (J)	
9/21/2017	0.0006 (J)	
3/14/2018	0.00058 (J)	
9/7/2018	0.0034 (J)	
3/11/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	<0.005	
9/9/2020	0.00069 (J)	
3/9/2021	0.00047 (J)	
7/30/2021	0.00052 (J)	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	0.0005 (J)	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	0.00076 (J)	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/6/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.00063 (J)	
10/21/2014	0.00058 (J)	
11/11/2014	0.00058 (J)	
3/3/2015	0.00056 (J)	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	<0.005	
5/22/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0183 (J)	
5/9/2016	0.00239 (J)	
7/15/2016	0.0008 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	0.0005 (J)	
5/23/2017	<0.005	
9/19/2017	<0.005	
3/14/2018	0.00083 (J)	
9/10/2018	0.00071 (J)	
3/11/2019	0.00056 (J)	
9/6/2019	0.00051 (J)	
3/3/2020	<0.005	
9/8/2020	<0.005	
3/9/2021	0.0004 (J)	
8/2/2021	0.00048 (J)	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/23/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019	<0.01	
9/5/2019	0.0012 (J)	
3/3/2020	0.00078 (J)	
9/8/2020	0.00087 (J)	
3/9/2021	0.00066 (J)	
8/2/2021	0.00045 (J)	
1/27/2022		0.0011 (J)
8/10/2022		0.00078 (J)
2/9/2023		0.00043 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.0006 (J)	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	<0.005	
5/19/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/4/2020	0.0012 (J)	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0049 (J)	
10/3/2014	<0.005	
10/20/2014	0.0024 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0017 (J)	
7/28/2015	0.00097 (J)	
3/1/2016	<0.005	
7/6/2016	<0.005	
3/14/2017	0.0003 (J)	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00043 (J)	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.021	
10/20/2014	0.022	
11/10/2014	0.02	
3/2/2015	0.015	
3/17/2015	0.016	
4/5/2015	0.016	
4/22/2015	0.013	
7/28/2015	0.02	
3/1/2016	0.0103 (J)	
7/8/2016	0.0152 (J)	
3/14/2017	0.0085 (J)	
9/15/2017	0.0058 (J)	
3/12/2018	0.0053 (J)	
9/6/2018	0.0054 (J)	
3/6/2019	<0.025	
9/4/2019	0.0082 (J)	
3/2/2020	0.0068 (J)	
9/3/2020	0.0067 (J)	
2/24/2021	0.0083	
7/28/2021	0.014	
1/26/2022		0.013
8/8/2022		0.0087
2/8/2023		0.011

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	0.00089 (J)	
10/20/2014	0.00087 (J)	
11/10/2014	<0.005	
3/2/2015	0.004 (J)	
3/17/2015	0.0016 (J)	
4/6/2015	0.00083 (J)	
4/22/2015	0.00085 (J)	
7/28/2015	<0.005	
3/2/2016	<0.005	
7/7/2016	<0.005	
3/23/2017	<0.005	
9/19/2017	0.0004 (J)	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00019 (J)	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/25/2022		<0.005
8/5/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0042 (J)	
10/4/2014	0.0024 (J)	
10/21/2014	0.002 (J)	
11/11/2014	0.0021 (J)	
3/3/2015	0.0017 (J)	
3/18/2015	0.0019 (J)	
4/6/2015	0.0014 (J)	
4/23/2015	0.0022 (J)	
7/29/2015	0.00098 (J)	
3/3/2016	<0.005	
7/13/2016	0.0022 (J)	
3/20/2017	0.002 (J)	
9/21/2017	0.0018 (J)	
3/14/2018	0.0017 (J)	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	0.00082 (J)	
3/4/2020	0.0024 (J)	
9/9/2020	<0.005	
3/9/2021	0.0025 (J)	
7/30/2021	0.0024 (J)	
1/28/2022		0.00088 (J)
8/11/2022		<0.005
2/10/2023		0.0012 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	0.0012 (J)	
10/21/2014	0.0011 (J)	
11/11/2014	0.0015 (J)	
3/3/2015	0.0012 (J)	
3/18/2015	<0.005	
4/6/2015	0.00083 (J)	
4/23/2015	0.0012 (J)	
7/29/2015	<0.005	
3/4/2016	<0.005	
7/14/2016	0.0124 (J)	
3/21/2017	0.0005 (J)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	0.00023 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/13/2016	<0.005	
3/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/6/2020	0.00023 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.00086 (J)	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/13/2016	<0.005	
3/20/2017	<0.005	
9/21/2017	0.0003 (J)	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/21/2017	0.0006 (J)	
9/20/2017	0.0003 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	0.00036 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/14/2016	<0.005	
3/22/2017	<0.005	
9/19/2017	0.0008 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	0.0016 (J)	
10/22/2014	0.0018 (J)	
11/5/2014	0.0015 (J)	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	0.0016 (J)	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/15/2016	0.0009 (J)	
3/21/2017	0.0009 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/11/2019	<0.005	
9/6/2019	0.01 (J)	
3/3/2020	0.00049 (J)	
9/8/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	0.00081 (J)	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		0.0011 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/20/2017	0.0012 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00022 (J)	
9/8/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	0.001 (J)	
3/4/2015	0.0014 (J)	
3/20/2015	<0.005	
4/8/2015	0.0014 (J)	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
7/15/2016	<0.005	
3/22/2017	0.0005 (J)	
9/21/2017	0.0005 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00037 (J)	
3/5/2020	0.0003 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		0.00068 (J)
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	0.0011 (J)	
7/30/2015	<0.005	
3/4/2016	<0.005	
7/12/2016	<0.005	
3/20/2017	0.0003 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	0.001 (JD)	
3/3/2020	0.00097 (J)	
9/9/2020	0.0017 (J)	
3/9/2021	<0.005	
7/29/2021	0.00051 (J)	
1/28/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/18/2016	<0.005	
3/16/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00027 (J)	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0069 (Jo)	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/6/2016	0.0004 (J)	
9/7/2016	<0.001	
10/25/2016	0.0001 (J)	
1/5/2017	0.0002 (J)	
3/14/2017	0.0003 (J)	
5/16/2017	<0.001	
9/15/2017	8E-05 (J)	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/7/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	0.00031 (J)	
9/14/2020	0.00065 (J)	
3/26/2021	0.00095 (J)	
7/27/2021	<0.001	
1/26/2022		<0.001
8/8/2022		<0.001
2/8/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.001	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/22/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/3/2016	<0.001	
7/8/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.001	
1/6/2017	<0.001	
3/14/2017	0.0001 (J)	
5/16/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/6/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	<0.001	
9/3/2020	<0.001	
2/24/2021	<0.001	
7/28/2021	0.13 (o)	
1/26/2022		<0.001
8/8/2022		<0.001
2/8/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.001	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	0.0047 (J)	
3/17/2015	<0.001	
4/6/2015	<0.001	
4/22/2015	<0.001	
7/28/2015	<0.001	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/7/2016	0.0001 (J)	
9/8/2016	0.0001 (J)	
10/25/2016	0.0002 (J)	
2/9/2017	<0.001	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	<0.001	
9/3/2020	<0.001	
2/24/2021	<0.001	
7/28/2021	<0.001	
1/25/2022		<0.001
8/5/2022		<0.001
2/8/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/6/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/3/2016	<0.001	
5/10/2016	<0.001	
7/13/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/11/2017	0.0001 (J)	
3/20/2017	<0.001	
5/23/2017	8E-05 (J)	
9/21/2017	9E-05 (J)	
3/14/2018	<0.001	
9/7/2018	<0.001	
3/11/2019	<0.001	
9/9/2019	<0.001	
3/4/2020	<0.001	
9/9/2020	0.00017 (J)	
3/9/2021	0.00011 (J)	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/6/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/4/2016	<0.001	
5/10/2016	<0.001	
7/14/2016	0.0006 (J)	
9/14/2016	<0.001	
11/1/2016	<0.001	
1/11/2017	<0.001	
3/21/2017	<0.001	
5/23/2017	<0.001	
9/22/2017	<0.001	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/10/2019	<0.001	
3/5/2020	<0.001	
9/9/2020	<0.001	
3/10/2021	<0.001	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/5/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/7/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	0.0001 (J)	
9/13/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	0.0002 (J)	
3/23/2017	0.0002 (J)	
5/23/2017	0.0002 (J)	
9/25/2017	8E-05 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/9/2019	5E-05 (J)	
3/6/2020	0.00013 (J)	
9/9/2020	6E-05 (J)	
2/26/2021	9.4E-05 (J)	
7/29/2021	<0.001	
1/28/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/7/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/12/2016	0.0002 (J)	
11/1/2016	0.0001 (J)	
1/11/2017	<0.001	
3/20/2017	7E-05 (J)	
5/22/2017	<0.001	
9/21/2017	0.0003 (J)	
3/14/2018	0.00035 (J)	
9/7/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	<0.001	
3/5/2020	0.00032 (J)	
9/9/2020	0.00025 (J)	
2/26/2021	0.00025 (J)	
7/29/2021	<0.001	
1/27/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/5/2014	<0.001	
3/3/2015	<0.001	
3/19/2015	<0.001	
4/7/2015	<0.001	
4/24/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.001	
5/9/2016	<0.001	
7/14/2016	9E-05 (J)	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/11/2017	<0.001	
3/21/2017	7E-05 (J)	
5/22/2017	<0.001	
9/20/2017	0.0004 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019	<0.001	
9/9/2019	<0.001	
3/4/2020	0.0003 (J)	
9/9/2020	<0.001	
2/26/2021	<0.001	
8/5/2021	<0.001	
1/27/2022		<0.001
8/9/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.001	
10/5/2014	<0.001	
10/22/2014	<0.001	
11/5/2014	<0.001	
3/4/2015	<0.001	
3/19/2015	<0.001	
4/8/2015	<0.001	
4/24/2015	<0.001	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/9/2016	<0.001	
7/15/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/12/2017	<0.001	
3/21/2017	6E-05 (J)	
5/23/2017	<0.001	
9/19/2017	<0.001	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/11/2019	<0.001	
9/6/2019	0.0016 (J)	
3/3/2020	<0.001	
9/8/2020	6.7E-05 (J)	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/28/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.001	
10/5/2014	<0.001	
10/22/2014	<0.001	
11/5/2014	<0.001	
3/4/2015	<0.001	
3/19/2015	<0.001	
4/8/2015	<0.001	
4/24/2015	<0.001	
7/30/2015	<0.001	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	0.0001 (J)	
3/20/2017	7E-05 (J)	
5/23/2017	<0.001	
9/19/2017	0.0001 (J)	
3/13/2018	<0.001	
9/7/2018	<0.001	
3/11/2019	<0.001	
9/5/2019	<0.001	
3/3/2020	5.9E-05 (J)	
9/8/2020	<0.001	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.001	
10/5/2014	<0.001	
10/22/2014	<0.001	
11/5/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/8/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/9/2016	<0.001	
5/6/2016	<0.001	
7/15/2016	<0.001	
9/14/2016	<0.001	
11/1/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	<0.001	
5/24/2017	0.0001 (J)	
9/21/2017	<0.001	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	6.8E-05 (J)	
3/5/2020	5.2E-05 (J)	
9/9/2020	<0.001	
3/10/2021	<0.001	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/23/2014	<0.001	
11/10/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/8/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/4/2016	<0.001	
5/5/2016	<0.001	
7/12/2016	<0.001	
9/13/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/20/2017	0.0001 (J)	
5/19/2017	<0.001	
9/19/2017	0.0002 (J)	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019	<0.001	
9/5/2019	9.05E-05 (JD)	
3/3/2020	5.7E-05 (J)	
9/9/2020	0.0001 (J)	
3/9/2021	<0.001	
7/29/2021	<0.001	
1/28/2022		<0.001
8/9/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/23/2014	<0.001	
11/10/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/9/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/4/2016	<0.001	
7/18/2016	0.0001 (J)	
9/13/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/16/2017	0.0003 (J)	
5/19/2017	0.0001 (J)	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019	0.00035 (J)	
9/5/2019	6E-05 (J)	
3/3/2020	5.9E-05 (J)	
9/4/2020	0.00012 (J)	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/9/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.000172 (J)	
10/3/2014	<0.0002	
10/20/2014	<0.0002	
11/10/2014	3.84E-05 (J)	
3/2/2015	<0.0002	
3/17/2015	<0.0002	
4/5/2015	<0.0002	
4/21/2015	2.39E-05 (J)	
7/28/2015	5.2E-05 (J)	
3/1/2016	<0.0002	
5/2/2016	<0.0002	
7/6/2016	<0.0002	
9/7/2016	<0.0002	
10/25/2016	<0.0002	
1/5/2017	<0.0002	
3/14/2017	<0.0002	
5/16/2017	<0.0002	
9/15/2017	<0.0002	
3/12/2018	<0.0002	
9/6/2018	<0.0002	
3/7/2019	<0.0002	
9/4/2019	<0.0002	
3/2/2020	<0.0002	
9/14/2020	<0.0002	
3/26/2021	<0.0002	
7/27/2021	<0.0002	
1/26/2022		<0.0002
8/8/2022		<0.0002
2/8/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	4.23E-05 (J)	
10/3/2014	<0.0002	
10/20/2014	3.87E-05 (J)	
11/10/2014	3.34E-05 (J)	
3/2/2015	<0.0002	
3/17/2015	<0.0002	
4/5/2015	<0.0002	
4/22/2015	<0.0002	
7/28/2015	<0.0002	
3/1/2016	<0.0002	
5/3/2016	<0.0002	
7/8/2016	<0.0002	
9/7/2016	<0.0002	
10/25/2016	<0.0002	
1/6/2017	<0.0002	
3/14/2017	<0.0002	
5/16/2017	<0.0002	
9/15/2017	<0.0002	
3/12/2018	<0.0002	
9/6/2018	<0.0002	
3/6/2019	<0.0002	
9/4/2019	<0.0002	
3/2/2020	<0.0002	
9/3/2020	<0.0002	
2/24/2021	9.1E-05 (J)	
7/28/2021	<0.0002	
1/26/2022		<0.0002
8/8/2022		<0.0002
2/8/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	2.75E-05 (J)	
10/3/2014	<0.0002	
10/20/2014	4.07E-05 (J)	
11/10/2014	6.86E-05 (J)	
3/2/2015	3.07E-05 (J)	
3/17/2015	<0.0002	
4/6/2015	<0.0002	
4/22/2015	<0.0002	
7/28/2015	<0.0002	
3/2/2016	<0.0002	
5/3/2016	<0.0002	
7/7/2016	<0.0002	
9/8/2016	<0.0002	
10/25/2016	<0.0002	
2/9/2017	<0.0002	
3/23/2017	<0.0002	
5/17/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/6/2018	<0.0002	
3/7/2019	<0.0002	
9/4/2019	<0.0002	
3/2/2020	<0.0002	
9/3/2020	<0.0002	
2/24/2021	0.00013 (J)	
7/28/2021	<0.0002	
1/25/2022		<0.0002
8/5/2022		<0.0002
2/8/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	2.69E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	3.18E-05 (J)	
11/11/2014	<0.0002	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/6/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/3/2016	<0.0002	
5/10/2016	<0.0002	
7/13/2016	<0.0002	
9/15/2016	<0.0002	
11/2/2016	<0.0002	
1/11/2017	<0.0002	
3/20/2017	<0.0002	
5/23/2017	<0.0002	
9/21/2017	<0.0002	
3/14/2018	<0.0002	
9/7/2018	<0.0002	
3/11/2019	<0.0002	
9/9/2019	<0.0002	
3/4/2020	<0.0002	
9/9/2020	<0.0002	
3/9/2021	<0.0002	
7/30/2021	<0.0002	
1/28/2022		<0.0002
8/11/2022		<0.0002
2/10/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	2.97E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.02E-05 (J)	
11/11/2014	3.66E-05 (J)	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/6/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/4/2016	<0.0002	
5/10/2016	<0.0002	
7/14/2016	<0.0002	
9/14/2016	<0.0002	
11/1/2016	<0.0002	
1/11/2017	<0.0002	
3/21/2017	<0.0002	
5/23/2017	<0.0002	
9/22/2017	<0.0002	
3/14/2018	<0.0002	
9/11/2018	<0.0002	
3/12/2019	<0.0002	
9/10/2019	<0.0002	
3/5/2020	<0.0002	
9/9/2020	<0.0002	
3/10/2021	<0.0002	
7/30/2021	<0.0002	
1/28/2022		<0.0002
8/11/2022		<0.0002
2/10/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	4.24E-05 (J)	
10/4/2014	2.5E-05 (J)	
10/21/2014	6.4E-05 (J)	
11/5/2014	7.02E-05 (J)	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/7/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	3.14E-05 (J)	
3/7/2016	<0.0002	
5/5/2016	<0.0002	
7/13/2016	<0.0002	
9/13/2016	<0.0002	
10/31/2016	<0.0002	
1/12/2017	<0.0002	
3/23/2017	<0.0002	
5/23/2017	<0.0002	
9/25/2017	<0.0002	
3/14/2018	<0.0002	
9/11/2018	<0.0002	
3/12/2019	<0.0002	
9/9/2019	<0.0002	
3/6/2020	<0.0002	
9/9/2020	<0.0002	
2/26/2021	<0.0002	
7/29/2021	<0.0002	
1/28/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	3.5E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.35E-05 (J)	
11/11/2014	4.64E-05 (J)	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/7/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/7/2016	<0.0002	
5/5/2016	<0.0002	
7/13/2016	<0.0002	
9/12/2016	<0.0002	
11/1/2016	<0.0002	
1/11/2017	<0.0002	
3/20/2017	<0.0002	
5/22/2017	<0.0002	
9/21/2017	<0.0002	
3/14/2018	<0.0002	
9/7/2018	<0.0002	
3/12/2019	<0.0002	
9/6/2019	<0.0002	
3/5/2020	<0.0002	
9/9/2020	<0.0002	
2/26/2021	<0.0002	
7/29/2021	<0.0002	
1/27/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	4.15E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.89E-05 (J)	
11/5/2014	7.28E-05 (J)	
3/3/2015	<0.0002	
3/19/2015	<0.0002	
4/7/2015	<0.0002	
4/24/2015	<0.0002	
7/29/2015	<0.0002	
3/7/2016	<0.0002	
5/9/2016	<0.0002	
7/14/2016	<0.0002	
9/12/2016	<0.0002	
10/31/2016	<0.0002	
1/11/2017	<0.0002	
3/21/2017	<0.0002	
5/22/2017	<0.0002	
9/20/2017	<0.0002	
3/14/2018	<0.0002	
9/10/2018	<0.0002	
3/12/2019	<0.0002	
9/9/2019	<0.0002	
3/4/2020	<0.0002	
9/9/2020	<0.0002	
2/26/2021	<0.0002	
8/5/2021	9.4E-05 (J)	
1/27/2022		<0.0002
8/9/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	5.34E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	4.88E-05 (J)	
11/5/2014	2.85E-05 (J)	
3/4/2015	<0.0002	
3/19/2015	<0.0002	
4/7/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.0002	
5/9/2016	<0.0002	
7/14/2016	<0.0002	
9/12/2016	<0.0002	
10/31/2016	<0.0002	
1/12/2017	<0.0002	
3/22/2017	<0.0002	
5/22/2017	<0.0002	
9/19/2017	<0.0002	
3/14/2018	<0.0002	
9/10/2018	<0.0002	
3/12/2019	<0.0002	
9/6/2019	<0.0002	
3/5/2020	<0.0002	
9/4/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/27/2022		<0.0002
8/9/2022		<0.0002
2/10/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0002	
10/5/2014	<0.0002	
10/22/2014	2.57E-05 (J)	
11/5/2014	<0.0002	
3/4/2015	<0.0002	
3/19/2015	<0.0002	
4/8/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.0002	
5/9/2016	<0.0002	
7/15/2016	<0.0002	
9/9/2016	<0.0002	
10/27/2016	<0.0002	
1/12/2017	<0.0002	
3/21/2017	<0.0002	
5/23/2017	<0.0002	
9/19/2017	<0.0002	
3/14/2018	<0.0002	
9/10/2018	<0.0002	
3/11/2019	<0.0002	
9/6/2019	<0.0002	
3/3/2020	<0.0002	
9/8/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/28/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	2.54E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	2.83E-05 (J)	
11/5/2014	0.0002	
3/4/2015	<0.0002	
3/19/2015	<0.0002	
4/8/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/7/2016	<0.0002	
5/5/2016	<0.0002	
7/14/2016	<0.0002	
9/12/2016	<0.0002	
10/27/2016	<0.0002	
1/13/2017	<0.0002	
3/20/2017	<0.0002	
5/23/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/7/2018	<0.0002	
3/11/2019	<0.0002	
9/5/2019	<0.0002	
3/3/2020	<0.0002	
9/8/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/27/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	2.82E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	<0.0002	
11/5/2014	4.83E-05 (J)	
3/4/2015	<0.0002	
3/20/2015	<0.0002	
4/8/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/9/2016	<0.0002	
5/6/2016	<0.0002	
7/15/2016	<0.0002	
9/14/2016	<0.0002	
11/1/2016	<0.0002	
1/25/2017	<0.0002	
3/22/2017	<0.0002	
5/24/2017	<0.0002	
9/21/2017	<0.0002	
3/14/2018	<0.0002	
9/11/2018	<0.0002	
3/12/2019	<0.0002	
9/6/2019	<0.0002	
3/5/2020	<0.0002	
9/9/2020	<0.0002	
3/10/2021	<0.0002	
7/30/2021	<0.0002	
1/28/2022		<0.0002
8/11/2022		<0.0002
2/10/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	2.81E-05 (J)	
10/4/2014	<0.0002	
10/23/2014	<0.0002	
11/10/2014	5.15E-05 (J)	
3/4/2015	<0.0002	
3/20/2015	<0.0002	
4/8/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/4/2016	<0.0002	
5/5/2016	<0.0002	
7/12/2016	<0.0002	
9/13/2016	<0.0002	
10/27/2016	<0.0002	
1/13/2017	<0.0002	
3/20/2017	<0.0002	
5/19/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/11/2018	<0.0002	
3/8/2019	<0.0002	
9/5/2019	<0.0002	
3/3/2020	<0.0002	
9/9/2020	<0.0002	
3/9/2021	<0.0002	
7/29/2021	<0.0002	
1/28/2022		<0.0002
8/9/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	3.13E-05 (J)	
10/4/2014	<0.0002	
10/23/2014	4.6E-05 (J)	
11/10/2014	2.5E-05 (J)	
3/4/2015	<0.0002	
3/20/2015	<0.0002	
4/9/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.0002	
5/4/2016	<0.0002	
7/18/2016	<0.0002	
9/13/2016	<0.0002	
10/27/2016	<0.0002	
1/13/2017	<0.0002	
3/16/2017	<0.0002	
5/19/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/11/2018	<0.0002	
3/8/2019	<0.0002	
9/5/2019	<0.0002	
3/3/2020	<0.0002	
9/4/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/27/2022		<0.0002
8/9/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.01	
10/3/2014	<0.005	
10/20/2014	0.0043	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	0.0016 (J)	
4/21/2015	0.0033	
7/28/2015	0.0032	
3/1/2016	<0.005	
7/6/2016	0.0007 (J)	
3/14/2017	0.0007 (J)	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00051 (J)	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	0.0017 (J)	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.022	
10/20/2014	0.022	
11/10/2014	0.018	
3/2/2015	0.016	
3/17/2015	0.015	
4/5/2015	0.016	
4/22/2015	0.016	
7/28/2015	0.018	
3/1/2016	0.0138	
7/8/2016	0.014	
3/14/2017	0.0087 (J)	
9/15/2017	0.0053 (J)	
3/12/2018	0.0054 (J)	
9/6/2018	0.0069 (J)	
3/6/2019	<0.01	
9/4/2019	0.0059 (J)	
3/2/2020	0.0079 (J)	
9/3/2020	0.0096 (J)	
2/24/2021	0.01	
7/28/2021	0.019	
1/26/2022		0.016
8/8/2022		0.0097
2/8/2023		0.012

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0036	
10/20/2014	0.0025	
11/10/2014	0.0026	
3/2/2015	0.017	
3/17/2015	0.0057	
4/6/2015	0.0022 (J)	
4/22/2015	0.0015 (J)	
7/28/2015	0.0015 (J)	
3/2/2016	<0.01	
7/7/2016	0.0014 (J)	
3/23/2017	<0.01	
9/19/2017	0.0011 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019	<0.01	
9/4/2019	0.000825 (JD)	
3/2/2020	0.001 (J)	
9/3/2020	0.00089 (J)	
2/24/2021	0.00091 (J)	
7/28/2021	0.00096 (J)	
1/25/2022		0.00093 (J)
8/5/2022		0.00085 (J)
2/8/2023		0.00091 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.03	
10/4/2014	0.029	
10/21/2014	0.026	
11/11/2014	0.023	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.018	
3/3/2016	0.0111	
7/13/2016	0.0133	
3/20/2017	0.0111	
9/21/2017	0.0092 (J)	
3/14/2018	0.0094 (J)	
9/7/2018	0.0086 (J)	
3/11/2019	<0.01	
9/9/2019	0.0066 (J)	
3/4/2020	0.0032 (J)	
9/9/2020	0.0067 (J)	
3/9/2021	0.0053	
7/30/2021	0.0073	
1/28/2022		0.0063
8/11/2022		0.0077
2/10/2023		0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	0.0016 (J)	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	0.0014 (J)	
4/23/2015	<0.005	
7/29/2015	0.0015 (J)	
3/7/2016	<0.005	
7/13/2016	0.0007 (J)	
3/23/2017	<0.005	
9/25/2017	0.0015 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/6/2020	0.0005 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/21/2017	<0.005	
9/20/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	0.00071 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	0.0013 (J)	
11/5/2014	0.0013 (J)	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	0.0014 (J)	
4/24/2015	0.0014 (J)	
7/30/2015	<0.01	
3/8/2016	0.0261 (o)	
7/15/2016	0.0021 (J)	
3/21/2017	<0.01	
9/19/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/10/2018	0.002 (J)	
3/11/2019	<0.01	
9/6/2019	0.0028 (J)	
3/3/2020	0.00099 (J)	
9/8/2020	0.0014 (J)	
3/9/2021	0.00075 (J)	
8/2/2021	0.0015 (J)	
1/28/2022		0.0014 (J)
8/10/2022		0.0014 (J)
2/9/2023		0.0011 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/20/2017	<0.005	
9/19/2017	0.0011 (J)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/5/2019	0.0011 (J)	
3/3/2020	0.001 (J)	
9/8/2020	0.00083 (J)	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		0.00076 (J)
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
7/15/2016	<0.005	
3/22/2017	<0.005	
9/21/2017	0.0012 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00086 (J)	
3/5/2020	0.00075 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	<0.005	
7/12/2016	<0.005	
3/20/2017	0.0003 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/18/2016	<0.005	
3/16/2017	0.0012 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	0.0017 (J)	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.00051 (J)	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
7/7/2016	<0.005	
3/23/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005 (D)	
3/2/2020	<0.005	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/25/2022		<0.005
8/5/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	0.0013 (J)	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	<0.005	
7/13/2016	<0.005	
3/20/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	<0.005	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.0007 (J)	
3/3/2015	0.00052 (J)	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
7/14/2016	<0.005	
3/21/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.00058 (J)	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/13/2016	<0.005	
3/20/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	0.0001 (J)	
4/5/2015	7E-05 (J)	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/25/2016	<0.001	
1/5/2017	<0.001	
3/14/2017	<0.001	
5/16/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/7/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	<0.001	
9/14/2020	<0.001	
3/26/2021	<0.001	
7/27/2021	<0.001	
1/26/2022		<0.001
8/8/2022		<0.001
2/8/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0004 (J)	
10/4/2014	0.0004 (J)	
10/21/2014	0.0004 (J)	
11/11/2014	0.0005 (J)	
3/3/2015	0.0004 (J)	
3/18/2015	0.0005 (J)	
4/6/2015	0.0004 (J)	
4/23/2015	0.0004 (J)	
7/29/2015	0.0003 (J)	
3/3/2016	0.002222 (JD)	
5/10/2016	<0.001	
7/13/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/11/2017	0.0003 (J)	
3/20/2017	0.0003 (J)	
5/23/2017	0.0003 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	0.00018 (J)	
9/7/2018	0.00016 (J)	
3/11/2019	0.00026 (J)	
9/9/2019	6E-05 (J)	
3/4/2020	0.00014 (J)	
9/9/2020	<0.001	
3/9/2021	<0.001	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	0.0002 (J)	
10/4/2014	0.0002 (J)	
10/21/2014	0.0002 (J)	
11/5/2014	0.0003 (J)	
3/3/2015	0.0002 (J)	
3/18/2015	0.0002 (J)	
4/7/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/29/2015	0.0002 (J)	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/13/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/23/2017	0.0001 (J)	
5/23/2017	0.0001 (J)	
9/25/2017	0.0001 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/9/2019	<0.001	
3/6/2020	7.6E-05 (J)	
9/9/2020	<0.001	
2/26/2021	<0.001	
7/29/2021	<0.001	
1/28/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.0001 (J)	
10/5/2014	0.0001 (J)	
10/22/2014	0.0001 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/7/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/9/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/22/2017	4E-05 (J)	
5/22/2017	5E-05 (J)	
9/19/2017	6E-05 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	<0.001	
3/5/2020	<0.001	
9/4/2020	<0.001	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/9/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.0002 (J)	
10/5/2014	0.0002 (J)	
10/22/2014	0.0002 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/19/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/24/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/8/2016	<0.001	
5/9/2016	0.000353 (J)	
7/15/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/12/2017	<0.001	
3/21/2017	<0.001	
5/23/2017	0.0002 (J)	
9/19/2017	0.0002 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/11/2019	<0.001	
9/6/2019	0.0002 (J)	
3/3/2020	7.1E-05 (J)	
9/8/2020	<0.001	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/28/2022		0.00021 (J)
8/10/2022		0.00031 (J)
2/9/2023		0.00029 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.001	
10/5/2014	0.0001 (J)	
10/22/2014	<0.001	
11/5/2014	0.0001 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/8/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	0.0001 (J)	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/20/2017	<0.001	
5/23/2017	0.0001 (J)	
9/19/2017	8E-05 (J)	
3/13/2018	0.00017 (J)	
9/7/2018	<0.001	
3/11/2019	0.00015 (J)	
9/5/2019	5.5E-05 (J)	
3/3/2020	7.2E-05 (J)	
9/8/2020	0.00016 (J)	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.0002 (J)	
10/5/2014	0.0003 (J)	
10/22/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/20/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/9/2016	0.0033 (Jo)	
5/6/2016	<0.001	
7/15/2016	<0.001	
9/14/2016	0.0002 (J)	
11/1/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	0.0001 (J)	
5/24/2017	0.0001 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	0.0003 (J)	
3/5/2020	0.00018 (J)	
9/9/2020	0.00016 (J)	
3/10/2021	<0.001	
7/30/2021	0.00023 (J)	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0073	
10/3/2014	<0.01	
10/20/2014	0.0045 (J)	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	0.0014 (J)	
4/21/2015	0.0029 (J)	
7/28/2015	0.0031 (J)	
3/1/2016	<0.01	
7/6/2016	<0.01	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019	<0.01	
9/4/2019	<0.01	
3/2/2020	<0.01	
9/14/2020	<0.01	
3/26/2021	<0.01	
7/27/2021	<0.01	
1/26/2022		<0.01
8/8/2022		<0.01
2/8/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.01	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/1/2016	<0.01	
7/8/2016	0.0028 (J)	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019	<0.01	
9/4/2019	0.00073 (J)	
3/2/2020	0.00074 (J)	
9/3/2020	<0.01	
2/24/2021	<0.01	
7/28/2021	<0.01	
1/26/2022		<0.01
8/8/2022		<0.01
2/8/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.00085 (J)	
10/3/2014	0.00096 (J)	
10/20/2014	<0.01	
11/10/2014	0.00095 (J)	
3/2/2015	0.0041 (J)	
3/17/2015	0.0018 (J)	
4/6/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/2/2016	<0.01	
7/7/2016	<0.01	
3/23/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019	<0.01	
9/4/2019	0.00538 (JD)	
3/2/2020	0.0014 (J)	
9/3/2020	<0.01	
2/24/2021	<0.01	
7/28/2021	<0.01	
1/25/2022		<0.01
8/5/2022		<0.01
2/8/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0019 (J)	
10/4/2014	0.005	
10/21/2014	0.00089 (J)	
11/11/2014	<0.01	
3/3/2015	0.00093 (J)	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/3/2016	<0.01	
7/13/2016	0.0021 (J)	
3/20/2017	0.0019 (J)	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019	<0.01	
9/9/2019	0.00091 (J)	
3/4/2020	0.0023 (J)	
9/9/2020	<0.01	
3/9/2021	0.003 (J)	
7/30/2021	0.0022 (J)	
1/28/2022		<0.01
8/11/2022		<0.01
2/10/2023		0.003 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	0.0012 (J)	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/4/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019	<0.01	
9/10/2019	<0.01	
3/5/2020	<0.01	
9/9/2020	<0.01	
3/10/2021	<0.01	
7/30/2021	<0.01	
1/28/2022		<0.01
8/11/2022		<0.01
2/10/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/23/2017	<0.01	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019	<0.01	
9/9/2019	0.00078 (J)	
3/6/2020	<0.01	
9/9/2020	<0.01	
2/26/2021	<0.01	
7/29/2021	<0.01	
1/28/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.001 (J)	
10/4/2014	<0.01	
10/21/2014	0.00084 (J)	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019	<0.01	
9/6/2019	<0.01	
3/5/2020	<0.01	
9/9/2020	<0.01	
2/26/2021	<0.01	
7/29/2021	<0.01	
1/27/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	<0.01	
3/3/2015	<0.01	
3/19/2015	<0.01	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/20/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019	<0.01	
9/9/2019	0.00081 (J)	
3/4/2020	0.00096 (J)	
9/9/2020	<0.01	
2/26/2021	<0.01	
8/5/2021	<0.01	
1/27/2022		<0.01
8/9/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	0.0012 (J)	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/14/2016	<0.01	
3/22/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019	<0.01	
9/6/2019	<0.01	
3/5/2020	<0.01	
9/4/2020	<0.01	
3/9/2021	<0.01	
8/2/2021	<0.01	
1/27/2022		<0.01
8/9/2022		<0.01
2/10/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/15/2016	<0.01	
3/21/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/11/2019	<0.01	
9/6/2019	0.0012 (J)	
3/3/2020	0.00085 (J)	
9/8/2020	<0.01	
3/9/2021	<0.01	
8/2/2021	<0.01	
1/28/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019	<0.01	
9/5/2019	0.00094 (J)	
3/3/2020	<0.01	
9/8/2020	<0.01	
3/9/2021	<0.01	
8/2/2021	<0.01	
1/27/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	0.00083 (J)	
11/5/2014	0.0014 (J)	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0017 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/9/2016	<0.01	
7/15/2016	<0.01	
3/22/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019	<0.01	
9/6/2019	0.0011 (J)	
3/5/2020	0.00071 (J)	
9/9/2020	<0.01	
3/10/2021	<0.01	
7/30/2021	<0.01	
1/28/2022		<0.01
8/11/2022		<0.01
2/10/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.0012 (J)	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0012 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/4/2016	<0.01	
7/12/2016	0.002 (J)	
3/20/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019	<0.01	
9/5/2019	0.0012 (JD)	
3/3/2020	0.0011 (J)	
9/9/2020	<0.01	
3/9/2021	<0.01	
7/29/2021	<0.01	
1/28/2022		<0.01
8/9/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.44 (o)	
10/3/2014	0.021	
10/20/2014	0.19	
11/10/2014	0.0014 (J)	
3/2/2015	0.032	
3/17/2015	0.034	
4/5/2015	0.089	
4/21/2015	0.16	
7/28/2015	0.15	
3/1/2016	0.0627	
7/6/2016	0.0532	
3/14/2017	0.0401	
9/15/2017	0.0338	
3/12/2018	0.042	
9/6/2018	0.045	
3/7/2019	0.043	
9/4/2019	0.052	
3/2/2020	0.056	
9/14/2020	0.053	
3/26/2021	0.046	
7/27/2021	<0.02	
1/26/2022		<0.02
8/8/2022		<0.02
2/8/2023		0.0086 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.0062	
10/3/2014	0.0085	
10/20/2014	0.0087	
11/10/2014	0.01	
3/2/2015	0.0077	
3/17/2015	0.0086	
4/5/2015	0.0098	
4/22/2015	0.0049	
7/28/2015	0.0099	
3/1/2016	0.00756 (J)	
7/8/2016	0.0098 (J)	
3/14/2017	0.0042 (J)	
9/15/2017	0.0032 (J)	
3/12/2018	0.0025 (J)	
9/6/2018	<0.02	
3/6/2019	0.0035 (J)	
9/4/2019	0.0086 (J)	
3/2/2020	0.0063 (J)	
9/3/2020	0.0049 (J)	
2/24/2021	0.0038 (J)	
7/28/2021	0.0088 (J)	
1/26/2022		<0.02
8/8/2022		<0.02
2/8/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0054	
10/3/2014	0.007	
10/20/2014	0.0052	
11/10/2014	0.0054	
3/2/2015	0.041 (o)	
3/17/2015	0.014	
4/6/2015	0.0044	
4/22/2015	0.0023 (J)	
7/28/2015	0.0035	
3/2/2016	0.0029 (J)	
7/7/2016	0.0023 (J)	
3/23/2017	<0.02	
9/19/2017	0.002 (J)	
3/13/2018	<0.02	
9/6/2018	<0.02	
3/7/2019	<0.02	
9/4/2019	0.00565 (JD)	
3/2/2020	0.0032 (J)	
9/3/2020	<0.02	
2/24/2021	<0.02	
7/28/2021	<0.02	
1/25/2022		<0.02
8/5/2022		<0.02
2/8/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.072	
10/4/2014	0.078	
10/21/2014	0.083	
11/11/2014	0.082	
3/3/2015	0.078	
3/18/2015	0.075	
4/6/2015	0.071	
4/23/2015	0.072	
7/29/2015	0.072	
3/3/2016	0.0227	
7/13/2016	0.0709	
3/20/2017	0.0465	
9/21/2017	0.0302	
3/14/2018	0.031	
9/7/2018	<0.01	
3/11/2019	0.024	
9/9/2019	0.029	
3/4/2020	0.015	
9/9/2020	0.037	
3/9/2021	0.025	
7/30/2021	0.032	
1/28/2022		0.026
8/11/2022		0.036 (J)
2/10/2023		0.017 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	0.0028	
10/4/2014	0.0038	
10/21/2014	0.0043	
11/11/2014	0.0041	
3/3/2015	0.0042	
3/18/2015	0.0046	
4/6/2015	0.0043	
4/23/2015	0.0047	
7/29/2015	0.0039	
3/4/2016	0.0219 (J)	
7/14/2016	0.0111	
3/21/2017	<0.02	
9/22/2017	0.0023 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	<0.02	
3/12/2019	0.0038 (J)	
9/10/2019	0.0055 (J)	
3/5/2020	0.0035 (J)	
9/9/2020	<0.02	
3/10/2021	<0.02	
7/30/2021	<0.02	
1/28/2022		<0.02
8/11/2022		<0.02
2/10/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	0.0035	
10/4/2014	0.0032	
10/21/2014	0.0028	
11/5/2014	0.004	
3/3/2015	0.004	
3/18/2015	0.0024 (J)	
4/7/2015	0.0055	
4/23/2015	0.0035	
7/29/2015	0.0062	
3/7/2016	0.0225 (J)	
7/13/2016	0.0031 (J)	
3/23/2017	<0.02	
9/25/2017	0.002 (J)	
3/14/2018	0.0036 (J)	
9/11/2018	<0.02	
3/12/2019	<0.02	
9/9/2019	0.0063 (J)	
3/6/2020	0.0045 (J)	
9/9/2020	<0.02	
2/26/2021	<0.02	
7/29/2021	<0.02	
1/28/2022		<0.02
8/10/2022		<0.02
2/9/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.002 (J)	
10/4/2014	0.001 (J)	
10/21/2014	0.00082 (J)	
11/11/2014	0.00076 (J)	
3/3/2015	<0.02	
3/18/2015	0.0016 (J)	
4/7/2015	<0.02	
4/23/2015	<0.02	
7/29/2015	<0.02	
3/7/2016	<0.02	
7/13/2016	0.0013 (J)	
3/20/2017	<0.02	
9/21/2017	0.0018 (J)	
3/14/2018	<0.02	
9/7/2018	<0.02	
3/12/2019	<0.02	
9/6/2019	0.0046 (J)	
3/5/2020	0.0024 (J)	
9/9/2020	<0.02	
2/26/2021	<0.02	
7/29/2021	0.015 (J)	
1/27/2022		<0.02
8/10/2022		<0.02
2/9/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	0.0026	
10/4/2014	0.0034	
10/21/2014	0.0037	
11/5/2014	0.0035	
3/3/2015	0.0036	
3/19/2015	0.0035	
4/7/2015	0.0039	
4/24/2015	0.0034	
7/29/2015	0.0038	
3/7/2016	<0.02	
7/14/2016	<0.02	
3/21/2017	<0.02	
9/20/2017	0.0062 (J)	
3/14/2018	<0.02	
9/10/2018	<0.02	
3/12/2019	<0.02	
9/9/2019	0.0062 (J)	
3/4/2020	0.0072 (J)	
9/9/2020	<0.02	
2/26/2021	<0.02	
8/5/2021	<0.02	
1/27/2022		<0.02
8/9/2022		<0.02
2/9/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.0023 (J)	
10/5/2014	0.0025	
10/22/2014	0.0018 (J)	
11/5/2014	0.0019 (J)	
3/4/2015	0.0016 (J)	
3/19/2015	0.0025	
4/7/2015	0.0026	
4/24/2015	0.0017 (J)	
7/30/2015	0.0017 (J)	
3/8/2016	0.557 (o)	
7/14/2016	<0.02	
3/22/2017	<0.02	
9/19/2017	0.0031 (J)	
3/14/2018	<0.02	
9/10/2018	<0.02	
3/12/2019	<0.02	
9/6/2019	0.00455 (JD)	
3/5/2020	0.0023 (J)	
9/4/2020	<0.02	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/27/2022		<0.02
8/9/2022		<0.02
2/10/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.0033	
10/5/2014	0.0036	
10/22/2014	0.0038	
11/5/2014	0.0046	
3/4/2015	0.0029	
3/19/2015	0.0027	
4/8/2015	0.0039	
4/24/2015	0.0035	
7/30/2015	0.0027	
3/8/2016	0.00273 (J)	
7/15/2016	<0.02	
3/21/2017	<0.02	
9/19/2017	0.0022 (J)	
3/14/2018	0.0049 (J)	
9/10/2018	<0.02	
3/11/2019	0.0034 (J)	
9/6/2019	0.045	
3/3/2020	0.0044 (J)	
9/8/2020	0.0063 (J)	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/28/2022		<0.02
8/10/2022		0.016 (J)
2/9/2023		0.012 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	0.00089 (J)	
10/5/2014	0.0016 (J)	
10/22/2014	0.0017 (J)	
11/5/2014	0.0038	
3/4/2015	0.002 (J)	
3/19/2015	0.0025	
4/8/2015	0.0018 (J)	
4/24/2015	0.0016 (J)	
7/30/2015	<0.02	
3/7/2016	<0.02	
7/14/2016	<0.02	
3/20/2017	0.0075 (J)	
9/19/2017	<0.02	
3/13/2018	<0.02	
9/7/2018	<0.02	
3/11/2019	0.0021 (J)	
9/5/2019	0.0053 (J)	
3/3/2020	0.0029 (J)	
9/8/2020	0.0037 (J)	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/27/2022		<0.02
8/10/2022		<0.02
2/9/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.0013 (J)	
10/5/2014	0.00085 (J)	
10/22/2014	0.0014 (J)	
11/5/2014	0.0022 (J)	
3/4/2015	0.0033	
3/20/2015	0.002 (J)	
4/8/2015	0.004	
4/23/2015	0.002 (J)	
7/30/2015	<0.02	
3/9/2016	<0.02	
7/15/2016	<0.02	
3/22/2017	<0.02	
9/21/2017	0.0034 (J)	
3/14/2018	<0.02	
9/11/2018	<0.02	
3/12/2019	<0.02	
9/6/2019	0.0059 (J)	
3/5/2020	0.0084 (J)	
9/9/2020	<0.02	
3/10/2021	<0.02	
7/30/2021	<0.02	
1/28/2022		0.0099 (J)
8/11/2022		<0.02
2/10/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.00054 (J)	
10/4/2014	0.0008 (J)	
10/23/2014	<0.02	
11/10/2014	<0.02	
3/4/2015	<0.02	
3/20/2015	<0.02	
4/8/2015	0.0016 (J)	
4/23/2015	<0.02	
7/30/2015	<0.02	
3/4/2016	0.00374 (J)	
7/12/2016	<0.02	
3/20/2017	<0.02	
9/19/2017	0.0028 (J)	
3/13/2018	0.0068 (J)	
9/11/2018	<0.02	
3/8/2019	<0.02	
9/5/2019	0.00675 (JD)	
3/3/2020	0.0033 (J)	
9/9/2020	0.0048 (J)	
3/9/2021	0.0063 (J)	
7/29/2021	<0.02	
1/28/2022		<0.02
8/9/2022		<0.02
2/9/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.004	
10/4/2014	0.0011 (J)	
10/23/2014	0.0011 (J)	
11/10/2014	0.0028	
3/4/2015	<0.02	
3/20/2015	<0.02	
4/9/2015	<0.02	
4/23/2015	<0.02	
7/30/2015	<0.02	
3/8/2016	0.00198 (J)	
7/18/2016	<0.02	
3/16/2017	0.0026 (J)	
9/19/2017	<0.02	
3/13/2018	<0.02	
9/11/2018	<0.02	
3/8/2019	<0.02	
9/5/2019	0.0053 (J)	
3/3/2020	0.0027 (J)	
9/4/2020	<0.02	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/27/2022		<0.02
8/9/2022		<0.02
2/9/2023		<0.02

FIGURE E.

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-38	3.398	n/a	2/8/2023	3.5	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	2/8/2023	6.88	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	2/9/2023	7.46	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	2/9/2023	7.38	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	2/10/2023	7.34	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36RA	11.17	n/a	2/8/2023	21.7	Yes	17	1.839	0.6284	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	12.48	n/a	2/9/2023	16.8	Yes	16	4.995	3.09	6.25	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	2/9/2023	2.3	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36RA	222.5	n/a	2/8/2023	238	Yes	17	153.6	28.78	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	363.4	n/a	2/10/2023	369	Yes	17	295.8	28.25	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	149.8	n/a	2/9/2023	175	Yes	17	94.65	23.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	195.3	n/a	2/9/2023	328	Yes	17	163.8	13.17	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	2/10/2023	533	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2

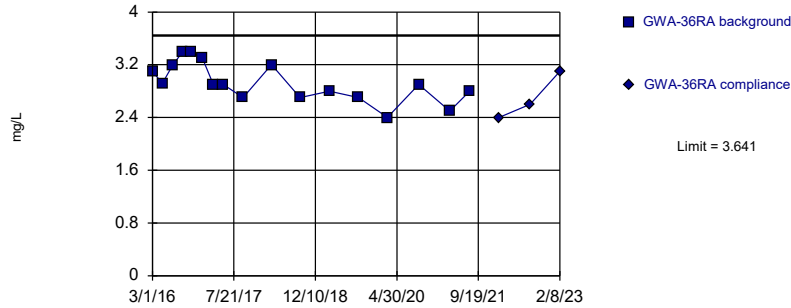
Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-36RA	3.641	n/a	2/8/2023	3.1	No	17	2.93	0.2972	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-37	1.427	n/a	2/8/2023	1.1	No	17	0.977	0.1882	5.882	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-38	3.398	n/a	2/8/2023	3.5	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-16R	2.97	n/a	2/10/2023	1.8	No	17	1.716	0.5242	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-17R	8.196	n/a	2/10/2023	4.7	No	17	5.841	0.9845	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	2.662	n/a	2/9/2023	2.5	No	17	1.472	0.06659	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18R	3.3	n/a	2/9/2023	2.6	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-19R	2.953	n/a	2/9/2023	2.7	No	17	2.441	0.214	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-20R	2.542	n/a	2/10/2023	2	No	17	1.768	0.3233	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-21R	5.542	n/a	2/9/2023	4.5	No	17	4.188	0.5658	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-22R	3.295	n/a	2/9/2023	2.7	No	17	2.728	0.2371	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-23R	2.864	n/a	2/10/2023	2	No	17	1.939	0.3865	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-24R	3.25	n/a	2/9/2023	2.5	No	17	5.819	1.983	5.882	None	x^2	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-25R	3.132	n/a	2/9/2023	2.6	No	17	2.594	0.225	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	2/8/2023	6.88	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-37	6.271	4.879	2/8/2023	5.3	No	17	5.575	0.291	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-38	6.077	4.803	2/8/2023	5.13	No	17	5.44	0.2662	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-16R	7.503	6.84	2/10/2023	7.02	No	17	7.172	0.1385	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-17R	7.329	7.078	2/10/2023	7.12	No	17	7.204	0.05255	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18	7.389	5.993	2/9/2023	6.68	No	17	2135	353.4	0	None	x^4	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	2/9/2023	7.46	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	2/9/2023	7.38	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	2/10/2023	7.34	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-21R	7.289	6.809	2/9/2023	7.13	No	17	7.049	0.1002	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-22R	8.049	6.933	2/9/2023	7.05	No	18	7.491	0.2361	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-23R	7.755	6.954	2/10/2023	7.01	No	18	7.354	0.1695	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-24R	7.983	6.832	2/9/2023	7.44	No	17	7.408	0.2406	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-25R	7.983	7.191	2/9/2023	7.51	No	17	7.587	0.1654	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36RA	11.17	n/a	2/8/2023	21.7	Yes	17	1.839	0.6284	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-37	1.121	n/a	2/8/2023	0.75J	No	17	0.6744	0.1865	29.41	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-38	2.638	n/a	2/8/2023	0.9J	No	17	1.136	0.6276	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-16R	14.24	n/a	2/10/2023	12.1	No	17	7.264	2.917	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-17R	8.894	n/a	2/10/2023	7.6	No	16	6.593	0.9504	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	2.57	n/a	2/9/2023	2.3	No	17	1.96	0.2549	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18R	2.835	n/a	2/9/2023	2.4	No	16	2.259	0.2378	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19R	4.3	n/a	2/9/2023	4	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-20R	1.892	n/a	2/10/2023	1.8	No	17	1.893	0.7053	0	None	x^2	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	12.48	n/a	2/9/2023	16.8	Yes	16	4.995	3.09	6.25	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22R	2.913	n/a	2/9/2023	2	No	16	1.998	0.3782	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23R	124	n/a	2/10/2023	86.7	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-24R	11.3	n/a	2/9/2023	2.9	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	2/9/2023	2.3	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36RA	222.5	n/a	2/8/2023	238	Yes	17	153.6	28.78	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-37	34.34	n/a	2/8/2023	25ND	No	15	17.84	6.664	33.33	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-38	107.8	n/a	2/8/2023	31	No	17	5.762	1.933	29.41	Kaplan-Meier	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	363.4	n/a	2/10/2023	369	Yes	17	295.8	28.25	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-17R	390.6	n/a	2/10/2023	302	No	17	318.3	30.22	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	149.8	n/a	2/9/2023	175	Yes	17	94.65	23.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18R	183.1	n/a	2/9/2023	171	No	17	140.2	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-19R	216.8	n/a	2/9/2023	171	No	17	166.3	21.11	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-20R	234.5	n/a	2/10/2023	226J	No	17	191.6	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-21R	383.4	n/a	2/9/2023	317	No	17	85308	25795	0	None	x^2	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	195.3	n/a	2/9/2023	328	Yes	17	163.8	13.17	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	2/10/2023	533	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-24R	209	n/a	2/9/2023	147	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-25R	196.3	n/a	2/9/2023	169	No	17	24995	5655	0	None	x^2	0.0006839	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Parametric

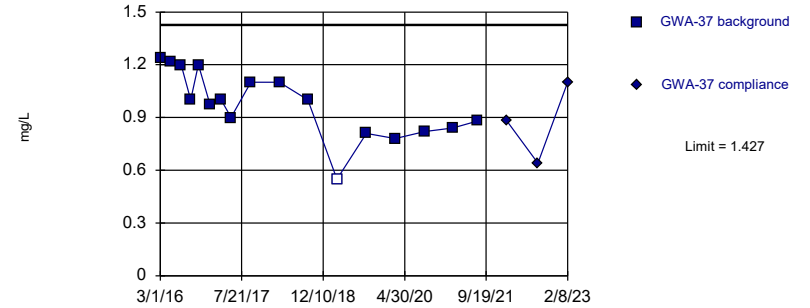


Background Data Summary: Mean=2.93, Std. Dev.=0.2972, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9537, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

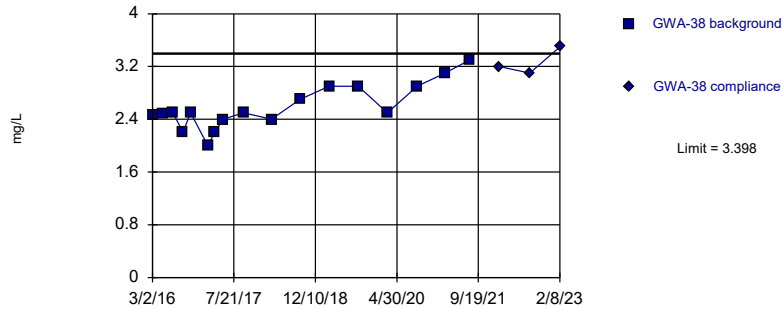


Background Data Summary: Mean=0.977, Std. Dev.=0.1882, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9485, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

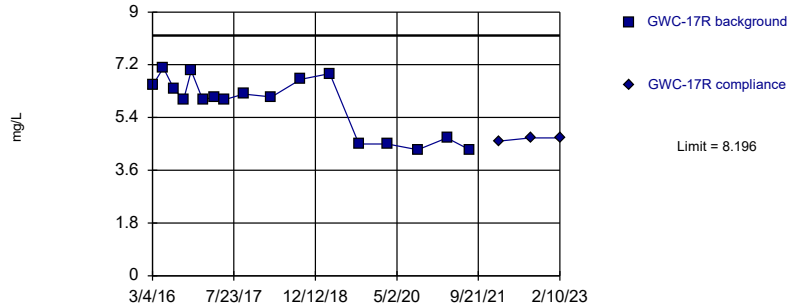
Exceeds Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

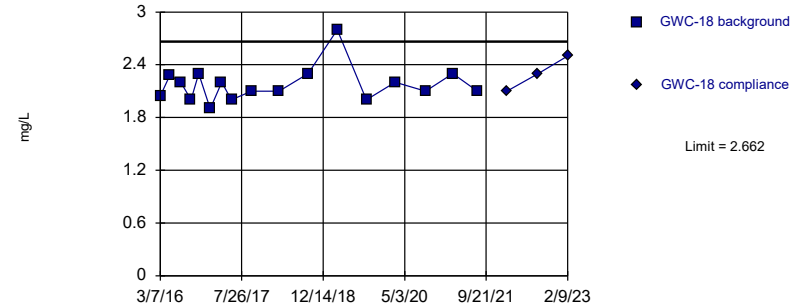


Background Data Summary: Mean=5.841, Std. Dev.=0.9845, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8623, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

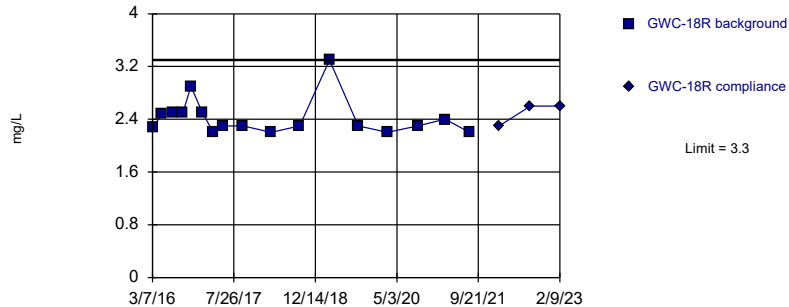


Background Data Summary (based on square root transformation): Mean=1.472, Std. Dev.=0.06659, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8533, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

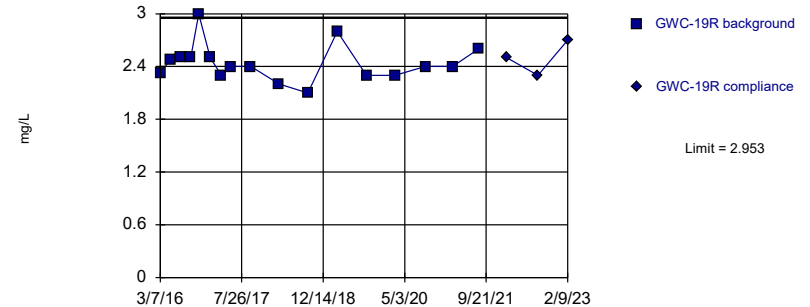


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

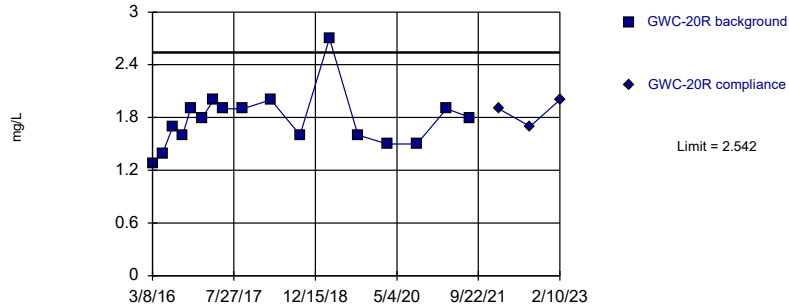
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

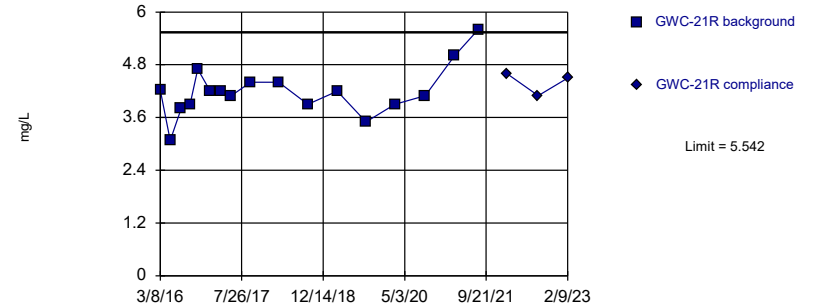


Background Data Summary: Mean=1.768, Std. Dev.=0.3233, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8916, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

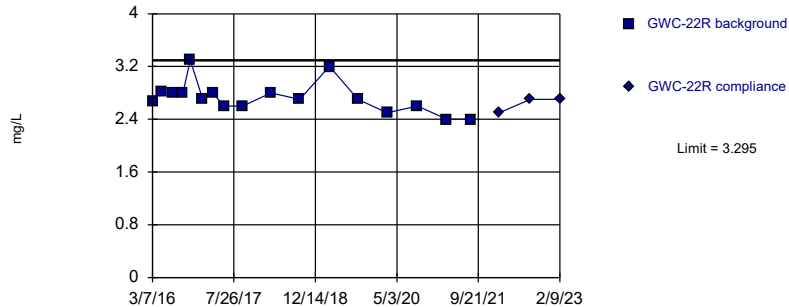


Background Data Summary: Mean=4.188, Std. Dev.=0.5658, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9391, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

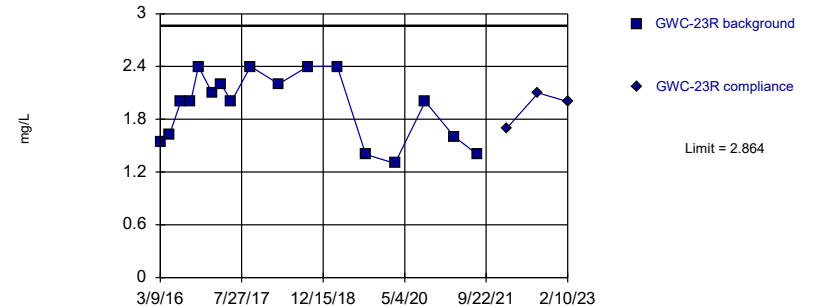


Background Data Summary: Mean=2.728, Std. Dev.=0.2371, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8797, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

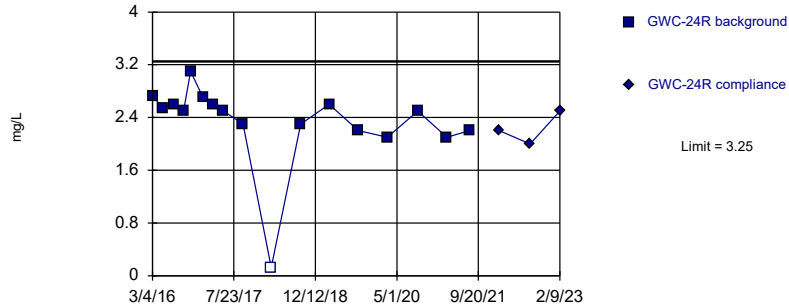
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

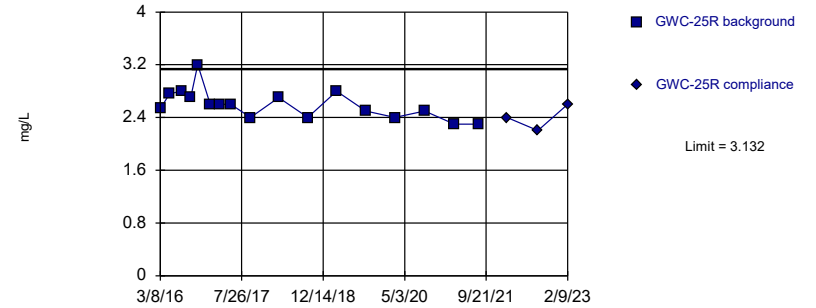


Background Data Summary (based on square transformation): Mean=5.819, Std. Dev.=1.983, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8735, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

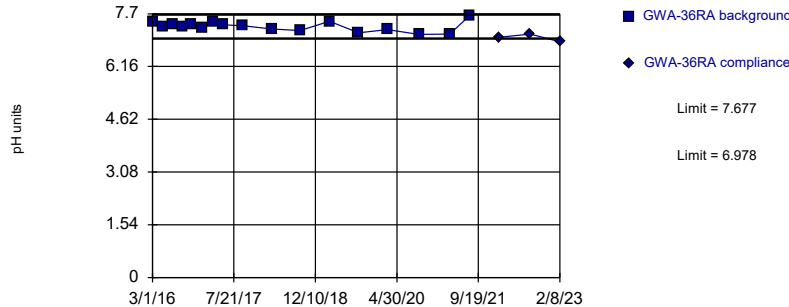


Background Data Summary: Mean=2.594, Std. Dev.=0.225, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9168, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

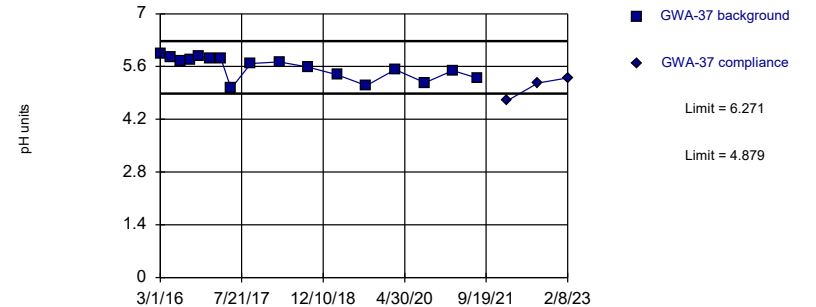


Background Data Summary: Mean=7.328, Std. Dev.=0.1461, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.973, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

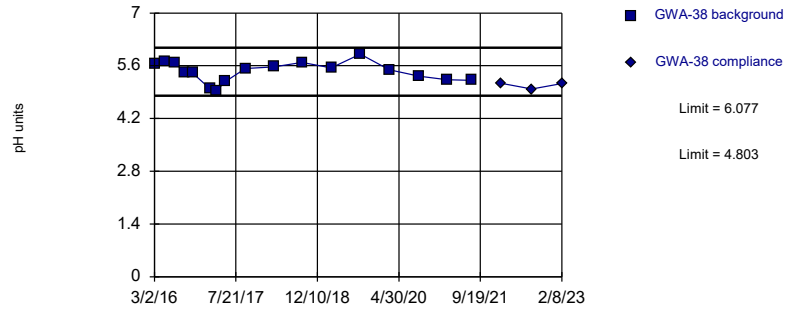


Background Data Summary: Mean=5.575, Std. Dev.=0.291, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9119, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

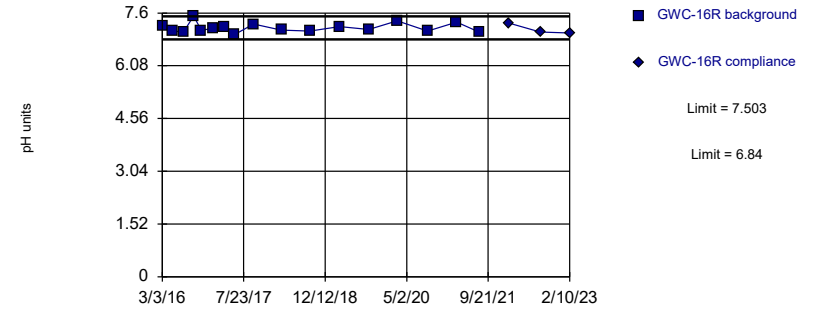


Background Data Summary: Mean=5.44, Std. Dev.=0.2662, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9704, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

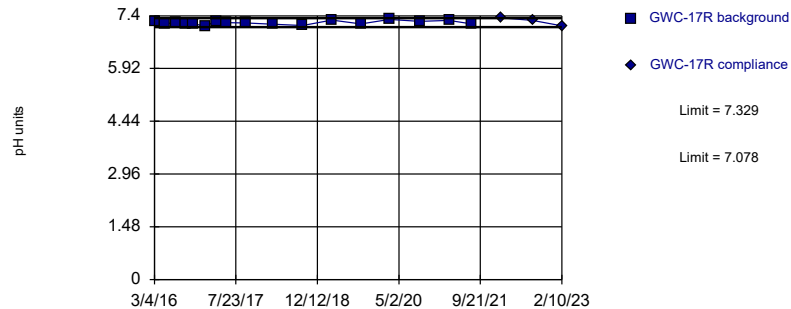


Background Data Summary: Mean=7.172, Std. Dev.=0.1385, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9285, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

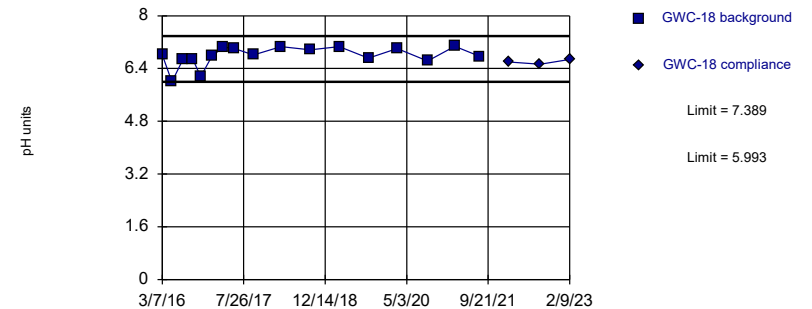


Background Data Summary: Mean=7.204, Std. Dev.=0.05255, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9699, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

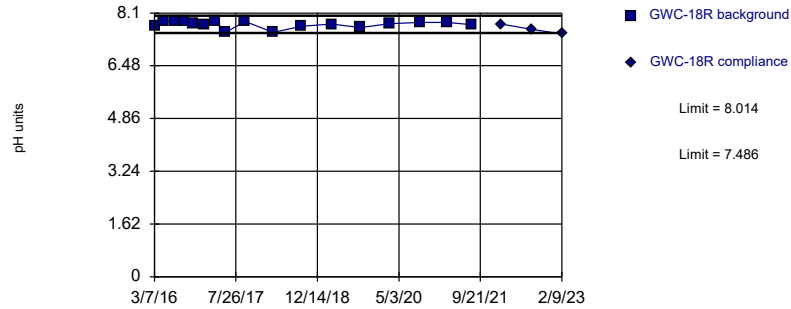


Background Data Summary (based on x^4 transformation): Mean=2135, Std. Dev.=353.4, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8571, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

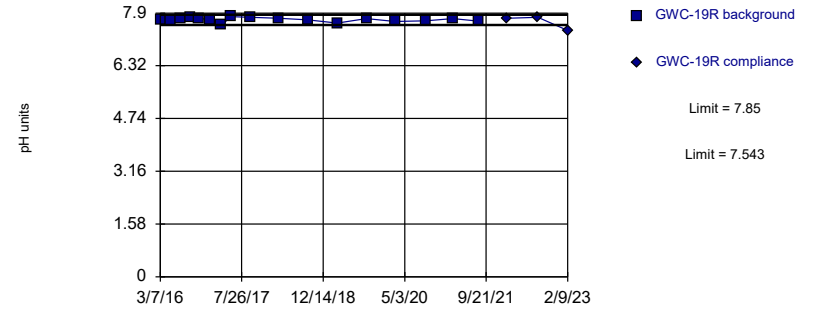


Background Data Summary: Mean=7.75, Std. Dev.=0.1103, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8646, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

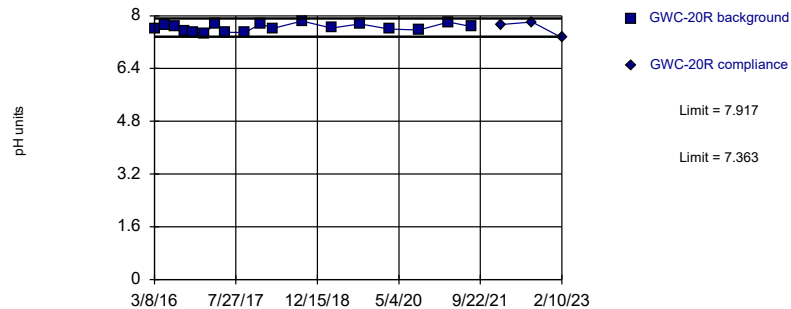


Background Data Summary: Mean=7.696, Std. Dev.=0.06412, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9402, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

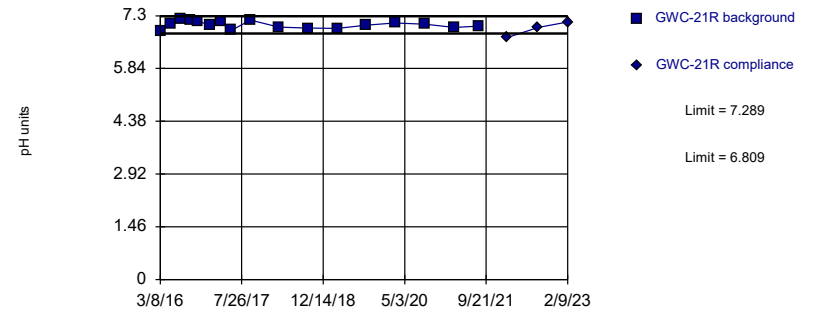


Background Data Summary: Mean=7.64, Std. Dev.=0.1171, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9561, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

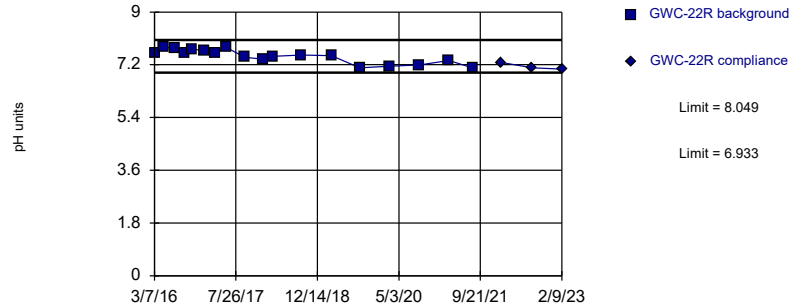


Background Data Summary: Mean=7.049, Std. Dev.=0.1002, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

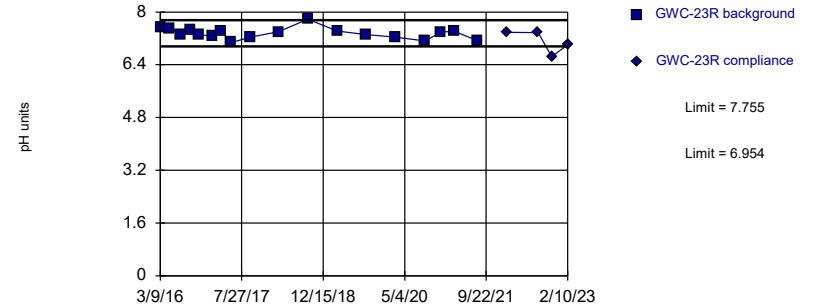


Background Data Summary: Mean=7.491, Std. Dev.=0.2361, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9276, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

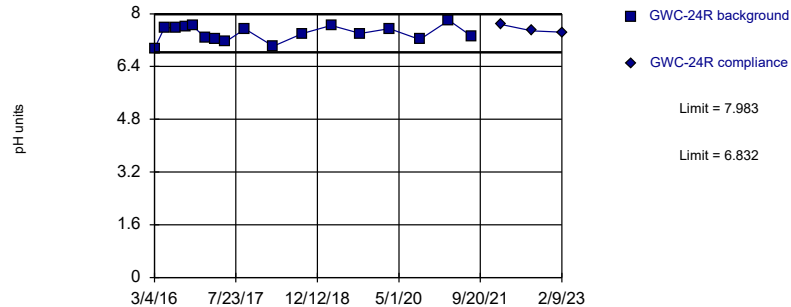


Background Data Summary: Mean=7.354, Std. Dev.=0.1695, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9606, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

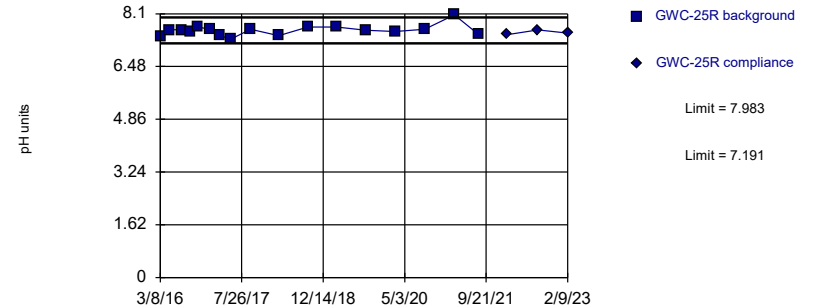


Background Data Summary: Mean=7.408, Std. Dev.=0.2406, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9559, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

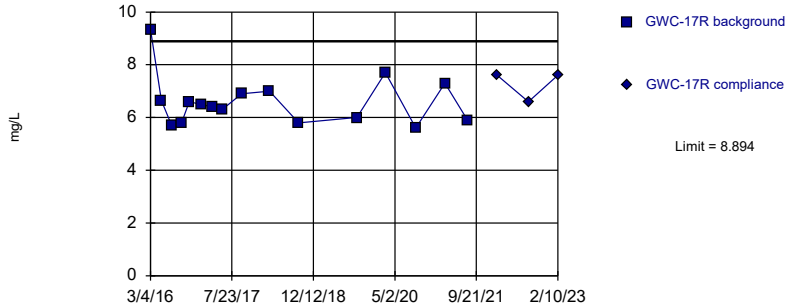


Background Data Summary: Mean=7.587, Std. Dev.=0.1654, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8737, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

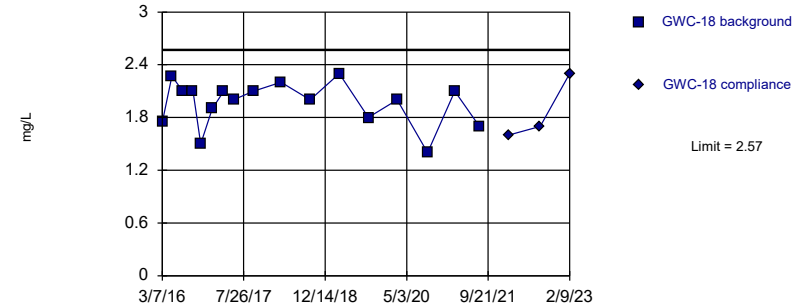


Background Data Summary: Mean=6.593, Std. Dev.=0.9504, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8484, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

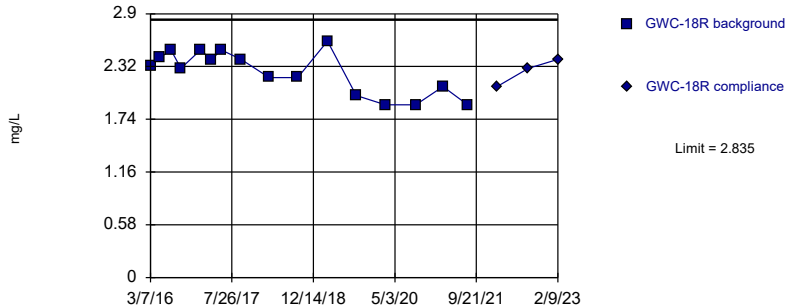


Background Data Summary: Mean=1.96, Std. Dev.=0.2549, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9146, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

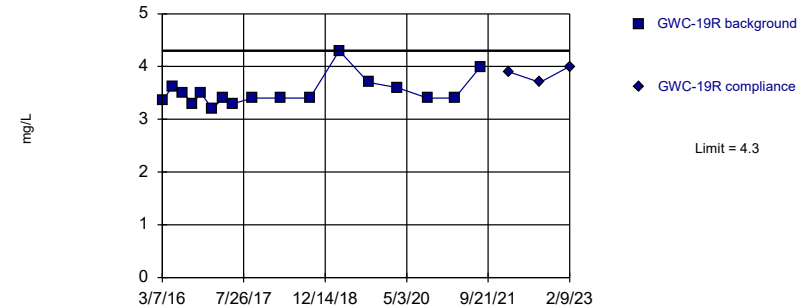


Background Data Summary: Mean=2.259, Std. Dev.=0.2378, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9093, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

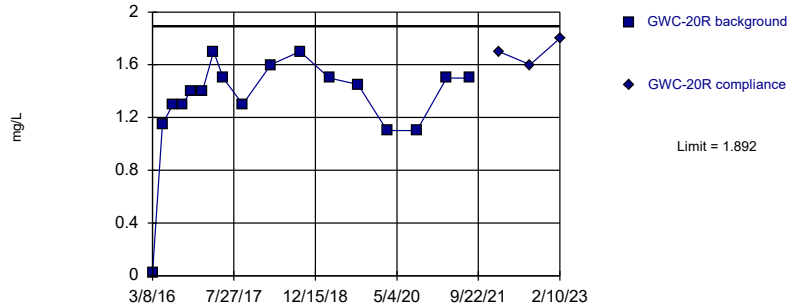


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

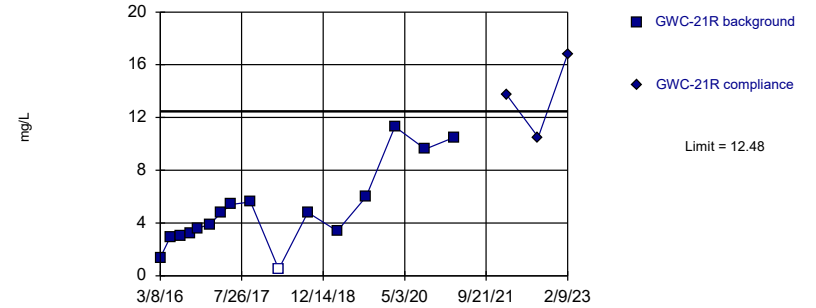


Background Data Summary (based on square transformation): Mean=1.893, Std. Dev.=0.7053, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9199, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

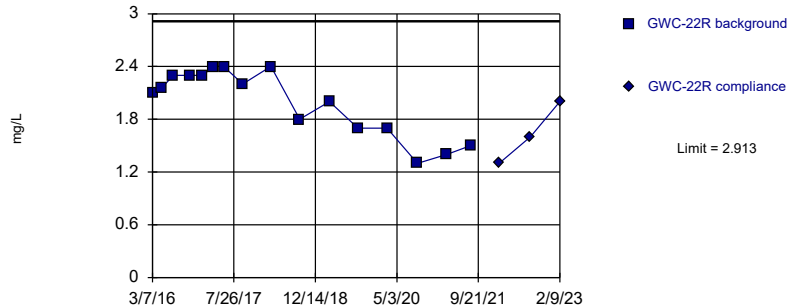


Background Data Summary: Mean=4.995, Std. Dev.=3.09, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9005, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

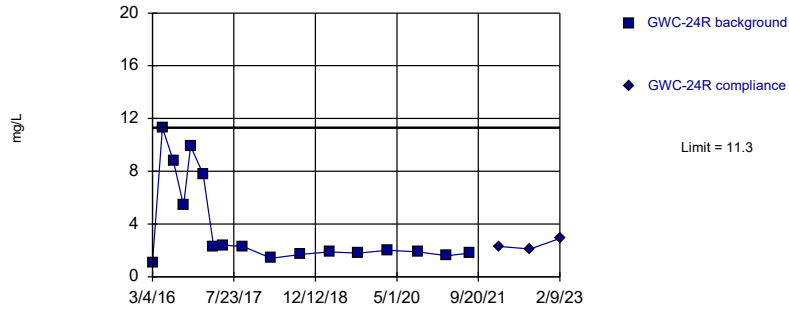
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Non-parametric

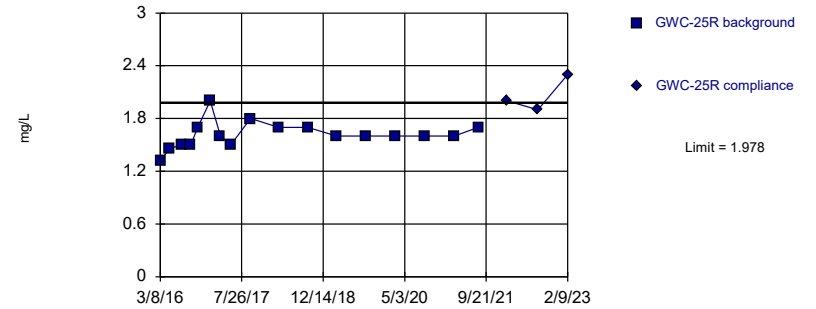


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

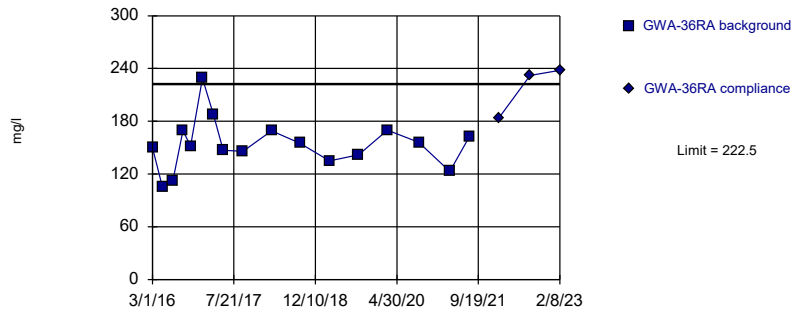


Background Data Summary: Mean=1.616, Std. Dev.=0.1512, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.93, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

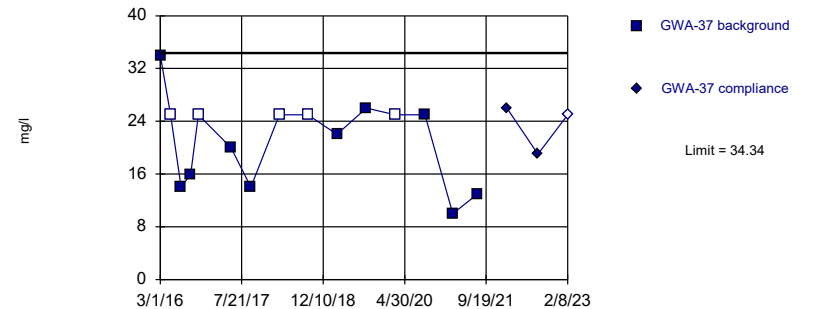


Background Data Summary: Mean=153.6, Std. Dev.=28.78, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9412, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

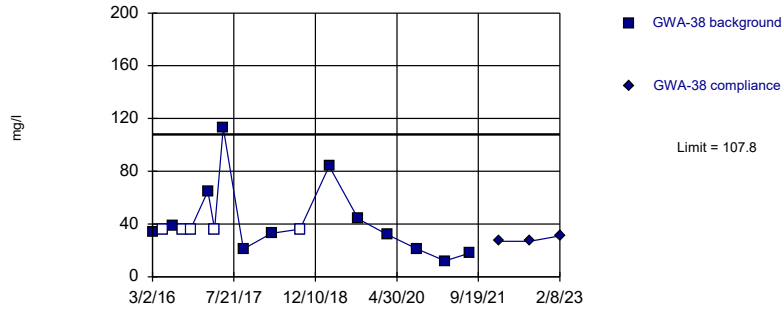


Background Data Summary (after Kaplan-Meier Adjustment): Mean=17.84, Std. Dev.=6.664, n=15, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.903, critical = 0.835. Kappa = 2.476 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

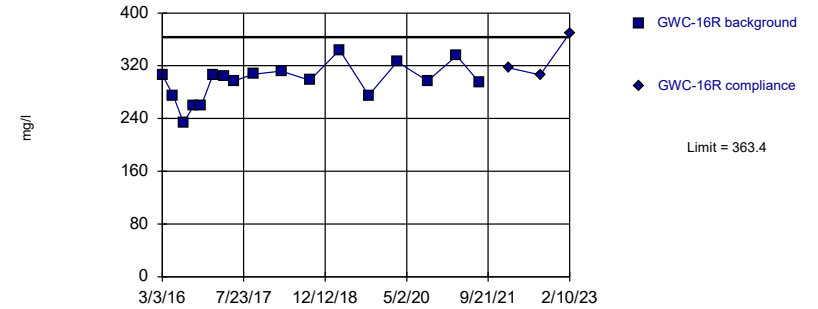


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=5.762, Std. Dev.=1.933, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8791, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
 Intrawell Parametric

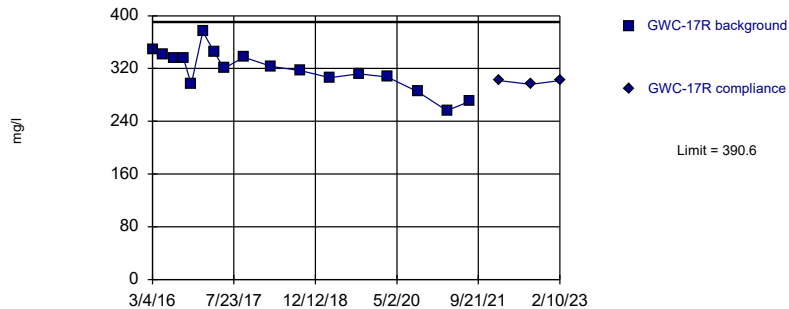


Background Data Summary: Mean=295.8, Std. Dev.=28.25, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9608, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

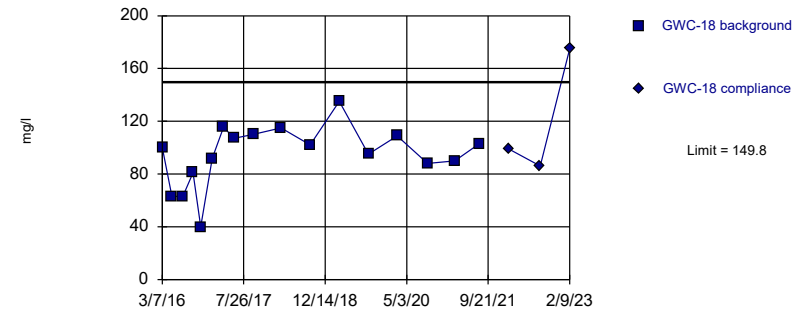


Background Data Summary: Mean=318.3, Std. Dev.=30.22, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9771, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
 Intrawell Parametric

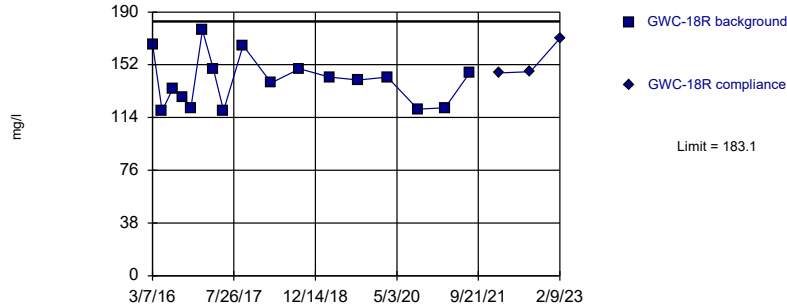


Background Data Summary: Mean=94.65, Std. Dev.=23.04, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9462, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

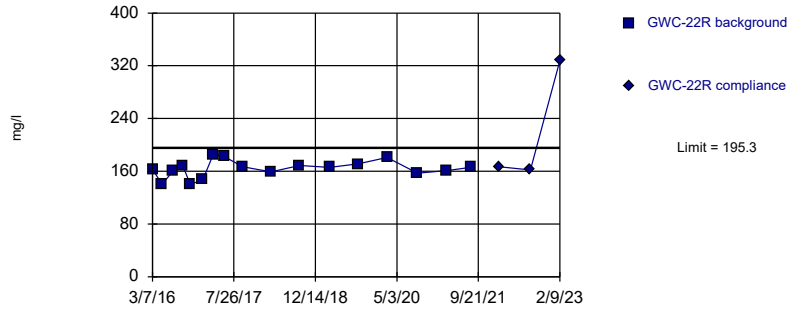
Within Limit

Prediction Limit
Intrawell Parametric



Exceeds Limit

Prediction Limit
Intrawell Parametric



Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	3.096	
5/2/2016	2.92	
7/6/2016	3.2	
9/7/2016	3.4	
10/25/2016	3.4	
1/5/2017	3.3	
3/14/2017	2.9	
5/16/2017	2.9	
9/15/2017	2.7	
3/12/2018	3.2	
9/6/2018	2.7	
3/7/2019	2.8	
9/4/2019	2.7	
3/2/2020	2.4	
9/14/2020	2.9	
3/26/2021	2.5	
7/27/2021	2.8	
1/26/2022		2.4
8/8/2022		2.6
2/8/2023		3.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	1.2389	
5/3/2016	1.22	
7/8/2016	1.2	
9/7/2016	1	
10/25/2016	1.2	
1/6/2017	0.97	
3/14/2017	1	
5/16/2017	0.9	
9/15/2017	1.1	
3/12/2018	1.1	
9/6/2018	1	
3/6/2019	<1.1	
9/4/2019	0.81 (J)	
3/2/2020	0.78 (J)	
9/3/2020	0.82 (J)	
2/24/2021	0.84 (J)	
7/28/2021	0.88 (J)	
1/26/2022		0.88 (J)
8/8/2022		0.64 (J)
2/8/2023		1.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	2.4559	
5/3/2016	2.49	
7/7/2016	2.5	
9/8/2016	2.2	
10/25/2016	2.5	
2/9/2017	2	
3/23/2017	2.2	
5/17/2017	2.4	
9/19/2017	2.5	
3/13/2018	2.4	
9/6/2018	2.7	
3/7/2019	2.9	
9/4/2019	2.9	
3/2/2020	2.5	
9/3/2020	2.9	
2/24/2021	3.1	
7/28/2021	3.3	
1/25/2022		3.2
8/5/2022		3.1
2/8/2023		3.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	1.3707 (D)	
5/10/2016	1.41	
7/13/2016	1.7	
9/15/2016	1.9	
11/2/2016	2.3	
1/11/2017	2	
3/20/2017	2.2	
5/23/2017	2	
9/21/2017	2.3	
3/14/2018	2.1	
9/7/2018	2.1	
3/11/2019	2.4	
9/9/2019	1.1	
3/4/2020	0.79 (J)	
9/9/2020	1 (J)	
3/9/2021	1.5	
7/30/2021	1	
1/28/2022		1.6
8/11/2022		1.4
2/10/2023		1.8

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	6.4905	
5/10/2016	7.1	
7/14/2016	6.4	
9/14/2016	6	
11/1/2016	7	
1/11/2017	6	
3/21/2017	6.1	
5/23/2017	6	
9/22/2017	6.2	
3/14/2018	6.1	
9/11/2018	6.7	
3/12/2019	6.9	
9/10/2019	4.5	
3/5/2020	4.5	
9/9/2020	4.3	
3/10/2021	4.7	
7/30/2021	4.3	
1/28/2022		4.6
8/11/2022		4.7
2/10/2023		4.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	2.0446	
5/5/2016	2.28	
7/13/2016	2.2	
9/13/2016	2	
10/31/2016	2.3	
1/12/2017	1.9	
3/23/2017	2.2	
5/23/2017	2	
9/25/2017	2.1	
3/14/2018	2.1	
9/11/2018	2.3	
3/12/2019	2.8	
9/9/2019	2	
3/6/2020	2.2	
9/9/2020	2.1	
2/26/2021	2.3	
7/29/2021	2.1	
1/28/2022		2.1
8/10/2022		2.3
2/9/2023		2.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	2.2698	
5/5/2016	2.48	
7/13/2016	2.5	
9/12/2016	2.5	
11/1/2016	2.9	
1/11/2017	2.5	
3/20/2017	2.2	
5/22/2017	2.3	
9/21/2017	2.3	
3/14/2018	2.2	
9/7/2018	2.3	
3/12/2019	3.3	
9/6/2019	2.3	
3/5/2020	2.2	
9/9/2020	2.3	
2/26/2021	2.4	
7/29/2021	2.2	
1/27/2022		2.3
8/10/2022		2.6
2/9/2023		2.6

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	2.3254	
5/9/2016	2.48	
7/14/2016	2.5	
9/12/2016	2.5	
10/31/2016	3	
1/11/2017	2.5	
3/21/2017	2.3	
5/22/2017	2.4	
9/20/2017	2.4	
3/14/2018	2.2	
9/10/2018	2.1	
3/12/2019	2.8	
9/9/2019	2.3	
3/4/2020	2.3	
9/9/2020	2.4	
2/26/2021	2.4	
8/5/2021	2.6	
1/27/2022		2.5
8/9/2022		2.3
2/9/2023		2.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	1.2699	
5/9/2016	1.39	
7/14/2016	1.7	
9/12/2016	1.6	
10/31/2016	1.9	
1/12/2017	1.8	
3/22/2017	2	
5/22/2017	1.9	
9/19/2017	1.9	
3/14/2018	2	
9/10/2018	1.6	
3/12/2019	2.7	
9/6/2019	1.6	
3/5/2020	1.5	
9/4/2020	1.5	
3/9/2021	1.9	
8/2/2021	1.8	
1/27/2022		1.9
8/9/2022		1.7
2/10/2023		2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	4.2184	
5/9/2016	3.08	
7/15/2016	3.8	
9/9/2016	3.9	
10/27/2016	4.7	
1/12/2017	4.2	
3/21/2017	4.2	
5/23/2017	4.1	
9/19/2017	4.4	
3/14/2018	4.4	
9/10/2018	3.9	
3/11/2019	4.2	
9/6/2019	3.5	
3/3/2020	3.9	
9/8/2020	4.1	
3/9/2021	5	
8/2/2021	5.6	
1/28/2022		4.6
8/10/2022		4.1
2/9/2023		4.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	2.6729	
5/5/2016	2.81	
7/14/2016	2.8	
9/12/2016	2.8	
10/27/2016	3.3	
1/13/2017	2.7	
3/20/2017	2.8	
5/23/2017	2.6	
9/19/2017	2.6	
3/13/2018	2.8	
9/7/2018	2.7	
3/11/2019	3.2	
9/5/2019	2.7	
3/3/2020	2.5	
9/8/2020	2.6	
3/9/2021	2.4	
8/2/2021	2.4	
1/27/2022		2.5
8/10/2022		2.7
2/9/2023		2.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	1.5349	
5/6/2016	1.63	
7/15/2016	2	
9/14/2016	2	
11/1/2016	2.4	
1/25/2017	2.1	
3/22/2017	2.2	
5/24/2017	2	
9/21/2017	2.4	
3/14/2018	2.2	
9/11/2018	2.4	
3/12/2019	2.4	
9/6/2019	1.4	
3/5/2020	1.3	
9/9/2020	2	
3/10/2021	1.6	
7/30/2021	1.4	
1/28/2022		1.7
8/11/2022		2.1
2/10/2023		2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	2.7291	
5/5/2016	2.54	
7/12/2016	2.6	
9/13/2016	2.5	
10/27/2016	3.1	
1/13/2017	2.7	
3/20/2017	2.6	
5/19/2017	2.5	
9/19/2017	2.3	
3/13/2018	<0.25	
9/11/2018	2.3	
3/8/2019	2.6	
9/5/2019	2.2	
3/3/2020	2.1	
9/9/2020	2.5	
3/9/2021	2.1	
7/29/2021	2.2	
1/28/2022		2.2
8/9/2022		2
2/9/2023		2.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	2.5307	
5/4/2016	2.76	
7/18/2016	2.8	
9/13/2016	2.7	
10/27/2016	3.2	
1/13/2017	2.6	
3/16/2017	2.6	
5/19/2017	2.6	
9/19/2017	2.4	
3/13/2018	2.7	
9/11/2018	2.4	
3/8/2019	2.8	
9/5/2019	2.5	
3/3/2020	2.4	
9/4/2020	2.5	
3/9/2021	2.3	
8/2/2021	2.3	
1/27/2022		2.4
8/9/2022		2.2
2/9/2023		2.6

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	7.45	
5/2/2016	7.31	
7/6/2016	7.4	
9/7/2016	7.32	
10/25/2016	7.4	
1/5/2017	7.29	
3/14/2017	7.48	
5/16/2017	7.38	
9/15/2017	7.35	
3/12/2018	7.26	
9/6/2018	7.21	
3/7/2019	7.48	
9/4/2019	7.14	
3/2/2020	7.24	
9/14/2020	7.1	
3/26/2021	7.11	
7/27/2021	7.65	
1/26/2022		7.01
8/8/2022		7.11
2/8/2023		6.88

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	5.94	
5/3/2016	5.85	
7/8/2016	5.74	
9/7/2016	5.79	
10/25/2016	5.88	
1/6/2017	5.82	
3/14/2017	5.8	
5/16/2017	5.02	
9/15/2017	5.68	
3/12/2018	5.72	
9/6/2018	5.59	
3/6/2019	5.38	
9/4/2019	5.09	
3/2/2020	5.52	
9/3/2020	5.17	
2/24/2021	5.49	
7/28/2021	5.29	
1/26/2022		4.69
8/8/2022		5.16
2/8/2023		5.3

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	5.65	
5/3/2016	5.72	
7/7/2016	5.68	
9/8/2016	5.42	
10/25/2016	5.41	
2/9/2017	4.99	
3/23/2017	4.94	
5/17/2017	5.18	
9/19/2017	5.53	
3/13/2018	5.57	
9/6/2018	5.69	
3/7/2019	5.54	
9/4/2019	5.91	
3/2/2020	5.49	
9/3/2020	5.32	
2/24/2021	5.23	
7/28/2021	5.21	
1/25/2022		5.14
8/5/2022		4.98
2/8/2023		5.13

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	7.22	
5/10/2016	7.08	
7/13/2016	7.05	
9/15/2016	7.51	
11/2/2016	7.1	
1/11/2017	7.16	
3/20/2017	7.19	
5/23/2017	6.97	
9/21/2017	7.28	
3/14/2018	7.11	
9/7/2018	7.08	
3/11/2019	7.21	
9/9/2019	7.13	
3/4/2020	7.37	
9/9/2020	7.08	
3/9/2021	7.34	
7/30/2021	7.04	
1/28/2022		7.31
8/11/2022		7.05
2/10/2023		7.02

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	7.24	
5/10/2016	7.18	
7/14/2016	7.21	
9/13/2016	7.17	
11/1/2016	7.18	
1/11/2017	7.11	
3/21/2017	7.24	
5/23/2017	7.21	
9/22/2017	7.2	
3/14/2018	7.16	
9/11/2018	7.13	
3/12/2019	7.28	
9/10/2019	7.17	
3/5/2020	7.3	
9/9/2020	7.24	
3/10/2021	7.27	
7/30/2021	7.17	
1/28/2022		7.34
8/11/2022		7.27
2/10/2023		7.12

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	6.81	
5/5/2016	6	
7/13/2016	6.67	
9/13/2016	6.67	
10/31/2016	6.15	
1/12/2017	6.79	
3/23/2017	7.04	
5/23/2017	7.02	
9/25/2017	6.81	
3/14/2018	7.06	
9/11/2018	6.97	
3/12/2019	7.06	
9/9/2019	6.71	
3/6/2020	7.01	
9/9/2020	6.63	
2/26/2021	7.07	
7/29/2021	6.77	
1/28/2022		6.6
8/10/2022		6.53
2/9/2023		6.68

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	7.7	
5/5/2016	7.85	
7/13/2016	7.85	
9/12/2016	7.87	
11/1/2016	7.78	
1/11/2017	7.75	
3/20/2017	7.86	
5/22/2017	7.51	
9/21/2017	7.84	
3/14/2018	7.51	
9/7/2018	7.69	
3/12/2019	7.76	
9/6/2019	7.65	
3/5/2020	7.77	
9/9/2020	7.81	
2/26/2021	7.81	
7/29/2021	7.74	
1/27/2022		7.76
8/10/2022		7.59
2/9/2023		7.46

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	7.68	
5/9/2016	7.66	
7/14/2016	7.74	
9/12/2016	7.76	
10/31/2016	7.74	
1/11/2017	7.69	
3/21/2017	7.54	
5/22/2017	7.79	
9/20/2017	7.77	
3/14/2018	7.74	
9/10/2018	7.69	
3/12/2019	7.6	
9/9/2019	7.73	
3/4/2020	7.65	
9/9/2020	7.67	
2/26/2021	7.73	
8/5/2021	7.66	
1/27/2022		7.74
8/9/2022		7.77
2/9/2023		7.38

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	7.62	
5/9/2016	7.72	
7/14/2016	7.69	
9/12/2016	7.52	
10/31/2016	7.51	
1/12/2017	7.46	
3/22/2017	7.77	
5/22/2017	7.5	
9/19/2017	7.49	
12/29/2017	7.75 (Y)	
3/14/2018	7.62	
9/10/2018	7.84	
3/12/2019	7.63	
9/6/2019	7.75	
3/5/2020	7.6	
9/4/2020	7.57	
3/9/2021	7.81	
8/2/2021	7.67	
1/27/2022		7.73
8/9/2022		7.81
2/10/2023		7.34

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	6.86	
5/9/2016	7.08	
7/15/2016	7.2	
9/9/2016	7.17	
10/27/2016	7.14	
1/12/2017	7.06	
3/21/2017	7.14	
5/23/2017	6.9	
9/19/2017	7.18	
3/14/2018	6.99	
9/10/2018	6.96	
3/11/2019	6.95	
9/6/2019	7.04	
3/3/2020	7.1	
9/8/2020	7.07	
3/9/2021	6.98	
8/2/2021	7.01	
1/28/2022		6.69
8/10/2022		6.98
2/9/2023		7.13

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	7.61	
5/5/2016	7.79	
7/14/2016	7.76	
9/12/2016	7.6	
10/27/2016	7.73	
1/13/2017	7.68	
3/20/2017	7.6	
5/23/2017	7.81	
9/19/2017	7.46	
1/9/2018	7.39 (Y)	
3/13/2018	7.49	
9/7/2018	7.53	
3/11/2019	7.51	
9/5/2019	7.09	
3/3/2020	7.15	
9/8/2020	7.19	
3/9/2021	7.35	
8/2/2021	7.1	
1/27/2022		7.28
8/10/2022		7.1
2/9/2023		7.05

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	7.54	
5/6/2016	7.5	
7/15/2016	7.33	
9/14/2016	7.47	
11/1/2016	7.31	
1/25/2017	7.28	
3/22/2017	7.43	
5/24/2017	7.07	
9/21/2017	7.24	
3/14/2018	7.4	
9/11/2018	7.78	
3/12/2019	7.42	
9/6/2019	7.32	
3/5/2020	7.24	
9/9/2020	7.12	
12/15/2020	7.39	
3/10/2021	7.41	
7/30/2021	7.13	
1/28/2022		7.38
8/11/2022		7.37
11/3/2022		6.65 (R)
2/10/2023		7.01

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	6.95	
5/5/2016	7.58	
7/12/2016	7.58	
9/13/2016	7.62	
10/27/2016	7.64	
1/13/2017	7.28	
3/20/2017	7.23	
5/19/2017	7.15	
9/19/2017	7.54	
3/13/2018	7.02	
9/11/2018	7.4	
3/8/2019	7.65	
9/5/2019	7.4	
3/3/2020	7.55	
9/9/2020	7.22	
3/9/2021	7.8	
7/29/2021	7.32	
1/28/2022		7.68
8/9/2022		7.48
2/9/2023		7.44

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	7.4	
5/4/2016	7.6	
7/18/2016	7.61	
9/13/2016	7.56	
10/27/2016	7.69	
1/13/2017	7.62	
3/16/2017	7.43	
5/19/2017	7.32	
9/19/2017	7.62	
3/13/2018	7.43	
9/11/2018	7.69	
3/8/2019	7.69	
9/5/2019	7.59	
3/3/2020	7.56	
9/4/2020	7.62	
3/9/2021	8.07	
8/2/2021	7.48	
1/27/2022		7.46
8/9/2022		7.6
2/9/2023		7.51

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	6.8929	
5/2/2016	1.6	
7/6/2016	1.7	
9/7/2016	1.5	
10/25/2016	1.8	
1/5/2017	4.6	
3/14/2017	2.8	
5/16/2017	2.1	
9/15/2017	3	
3/12/2018	8.2	
9/6/2018	1.5	
3/7/2019	4.3	
9/4/2019	1.8	
3/2/2020	7.9	
9/14/2020	1.3	
3/26/2021	5.4	
7/27/2021	7.4	
1/26/2022		7.5
8/8/2022		19.2
2/8/2023		21.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	0.9427 (J)	
5/3/2016	0.87 (J)	
7/8/2016	0.79 (J)	
9/7/2016	0.85 (J)	
10/25/2016	0.74 (J)	
1/6/2017	0.64 (J)	
3/14/2017	0.77 (J)	
5/16/2017	0.48 (J)	
9/15/2017	0.76 (J)	
3/12/2018	0.42 (J)	
9/6/2018	0.37 (J)	
3/6/2019	0.46 (J)	
9/4/2019	<1	
3/2/2020	<1	
9/3/2020	<1	
2/24/2021	<1	
7/28/2021	<1	
1/26/2022		<1
8/8/2022		<1
2/8/2023		0.75 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	2.5669	
5/3/2016	1.83	
7/7/2016	1.8	
9/8/2016	0.97 (J)	
10/25/2016	1.2	
2/9/2017	0.31 (J)	
3/23/2017	0.54 (J)	
5/17/2017	0.66 (J)	
9/19/2017	2	
3/13/2018	1.5	
9/6/2018	1.4	
3/7/2019	1.1	
9/4/2019	0.83 (J)	
3/2/2020	0.5 (J)	
9/3/2020	0.58 (J)	
2/24/2021	0.72 (J)	
7/28/2021	0.81 (J)	
1/25/2022		0.58 (J)
8/5/2022		<1
2/8/2023		0.9 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	7.1809	
5/10/2016	4.6	
7/13/2016	2.3	
9/15/2016	5.6	
11/2/2016	7.5	
1/11/2017	8.3	
3/20/2017	10	
5/23/2017	9.5	
9/21/2017	8.9	
3/14/2018	8.8	
9/7/2018	6.5	
3/11/2019	11	
9/9/2019	3.8	
3/4/2020	8.4	
9/9/2020	2.8	
3/9/2021	12.9	
7/30/2021	5.4	
1/28/2022		11.9
8/11/2022		5
2/10/2023		12.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	9.3417	
5/10/2016	6.65	
7/14/2016	5.7	
9/14/2016	5.8	
11/1/2016	6.6	
1/11/2017	6.5	
3/21/2017	6.4	
5/23/2017	6.3	
9/22/2017	6.9	
3/14/2018	7	
9/11/2018	5.8	
3/12/2019	25.9 (O)	
9/10/2019	6	
3/5/2020	7.7	
9/9/2020	5.6	
3/10/2021	7.3	
7/30/2021	5.9	
1/28/2022		7.6
8/11/2022		6.6
2/10/2023		7.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	1.7468	
5/5/2016	2.27	
7/13/2016	2.1	
9/13/2016	2.1	
10/31/2016	1.5	
1/12/2017	1.9	
3/23/2017	2.1	
5/23/2017	2	
9/25/2017	2.1	
3/14/2018	2.2	
9/11/2018	2	
3/12/2019	2.3	
9/9/2019	1.8	
3/6/2020	2	
9/9/2020	1.4	
2/26/2021	2.1	
7/29/2021	1.7	
1/28/2022		1.6
8/10/2022		1.7
2/9/2023		2.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	2.3258	
5/5/2016	2.42	
7/13/2016	2.5	
9/12/2016	2.3	
1/11/2017	2.5	
3/20/2017	2.4	
5/22/2017	2.5	
9/21/2017	2.4	
3/14/2018	2.2	
9/7/2018	2.2	
3/12/2019	2.6	
9/6/2019	2	
3/5/2020	1.9	
9/9/2020	1.9	
2/26/2021	2.1	
7/29/2021	1.9	
1/27/2022		2.1
8/10/2022		2.3
2/9/2023		2.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	3.3556	
5/9/2016	3.62	
7/14/2016	3.5	
9/12/2016	3.3	
10/31/2016	3.5	
1/11/2017	3.2	
3/21/2017	3.4	
5/22/2017	3.3	
9/20/2017	3.4	
3/14/2018	3.4	
9/10/2018	3.4	
3/12/2019	4.3	
9/9/2019	3.7	
3/4/2020	3.6	
9/9/2020	3.4	
2/26/2021	3.4	
8/5/2021	4	
1/27/2022		3.9
8/9/2022		3.7
2/9/2023		4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	0.0196 (J)	
5/9/2016	1.15	
7/14/2016	1.3	
9/12/2016	1.3	
10/31/2016	1.4	
1/12/2017	1.4	
3/22/2017	1.7	
5/22/2017	1.5	
9/19/2017	1.3	
3/14/2018	1.6	
9/10/2018	1.7	
3/12/2019	1.5	
9/6/2019	1.45 (D)	
3/5/2020	1.1	
9/4/2020	1.1	
3/9/2021	1.5	
8/2/2021	1.5	
1/27/2022		1.7
8/9/2022		1.6
2/10/2023		1.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	1.3858	
5/9/2016	2.94	
7/15/2016	3	
9/9/2016	3.2	
10/27/2016	3.6	
1/12/2017	3.9	
3/21/2017	4.8	
5/23/2017	5.4	
9/19/2017	5.6	
3/14/2018	<1	
9/10/2018	4.8	
3/11/2019	3.4	
9/6/2019	6	
3/3/2020	11.3	
9/8/2020	9.6	
3/9/2021	10.5	
8/2/2021	21.5 (o)	
1/28/2022		13.7
8/10/2022		10.5
2/9/2023		16.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	2.1008	
5/5/2016	2.16	
7/14/2016	2.3	
10/27/2016	2.3	
1/13/2017	2.3	
3/20/2017	2.4	
5/23/2017	2.4	
9/19/2017	2.2	
3/13/2018	2.4	
9/7/2018	1.8	
3/11/2019	2	
9/5/2019	1.7	
3/3/2020	1.7	
9/8/2020	1.3	
3/9/2021	1.4	
8/2/2021	1.5	
1/27/2022		1.3
8/10/2022		1.6
2/9/2023		2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	26.4322	
5/6/2016	17.7	
7/15/2016	12	
9/14/2016	12	
11/1/2016	10	
1/25/2017	8.2	
3/22/2017	13	
5/24/2017	10	
9/21/2017	16	
3/14/2018	14	
9/11/2018	14.9	
3/12/2019	17.7	
9/6/2019	9.5	
3/5/2020	10.8	
9/9/2020	124	
12/15/2020	61.2	
3/10/2021	56.8	
7/30/2021	72.6	
1/28/2022		98.4
8/11/2022		143
11/3/2022		137 (R)
2/10/2023		86.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	1.0816	
5/5/2016	11.3	
7/12/2016	8.8	
9/13/2016	5.4	
10/27/2016	9.9	
1/13/2017	7.8	
3/20/2017	2.3	
5/19/2017	2.4	
9/19/2017	2.3	
3/13/2018	1.4	
9/11/2018	1.7	
3/8/2019	1.9	
9/5/2019	1.8	
3/3/2020	2	
9/9/2020	1.9	
3/9/2021	1.6	
7/29/2021	1.8	
1/28/2022		2.3
8/9/2022		2.1
2/9/2023		2.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	1.3157	
5/4/2016	1.46	
7/18/2016	1.5	
9/13/2016	1.5	
10/27/2016	1.7	
1/13/2017	2	
3/16/2017	1.6	
5/19/2017	1.5	
9/19/2017	1.8	
3/13/2018	1.7	
9/11/2018	1.7	
3/8/2019	1.6	
9/5/2019	1.6	
3/3/2020	1.6	
9/4/2020	1.6	
3/9/2021	1.6	
8/2/2021	1.7	
1/27/2022		2
8/9/2022		1.9
2/9/2023		2.3

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	150	
5/2/2016	105	
7/6/2016	113	
9/7/2016	169	
10/25/2016	152	
1/5/2017	229	
3/14/2017	188	
5/16/2017	147	
9/15/2017	146	
3/12/2018	169	
9/6/2018	155	
3/7/2019	135	
9/4/2019	142	
3/2/2020	170	
9/14/2020	156	
3/26/2021	123	
7/27/2021	163	
1/26/2022		184
8/8/2022		232
2/8/2023		238

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	34	
5/3/2016	<25	
7/8/2016	14 (J)	
9/7/2016	16 (J)	
10/25/2016	<25	
1/6/2017	189 (O)	
3/14/2017	90 (o)	
5/16/2017	20 (J)	
9/15/2017	14 (J)	
3/12/2018	<25	
9/6/2018	<25	
3/6/2019	22 (J)	
9/4/2019	26	
3/2/2020	<25	
9/3/2020	25	
2/24/2021	10	
7/28/2021	13	
1/26/2022		26
8/8/2022		19
2/8/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	34	
5/3/2016	<36	
7/7/2016	39	
9/8/2016	<36	
10/25/2016	<36	
2/9/2017	65	
3/23/2017	<36	
5/17/2017	113	
9/19/2017	21 (J)	
3/13/2018	33	
9/6/2018	<36	
3/7/2019	84	
9/4/2019	44	
3/2/2020	32	
9/3/2020	21	
2/24/2021	12	
7/28/2021	18	
1/25/2022		27
8/5/2022		27
2/8/2023		31

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	306	
5/10/2016	275	
7/13/2016	234	
9/15/2016	259	
11/2/2016	260	
1/11/2017	306	
3/20/2017	304	
5/23/2017	297	
9/21/2017	307	
3/14/2018	312	
9/7/2018	298	
3/11/2019	344	
9/9/2019	275	
3/4/2020	326	
9/9/2020	297	
3/9/2021	335	
7/30/2021	294	
1/28/2022		317
8/11/2022		306
2/10/2023		369

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	348	
5/10/2016	342	
7/14/2016	335	
9/14/2016	335	
11/1/2016	296	
1/11/2017	376	
3/21/2017	346	
5/23/2017	320	
9/22/2017	337	
3/14/2018	323	
9/11/2018	317	
3/12/2019	306	
9/10/2019	312	
3/5/2020	307	
9/9/2020	285	
3/10/2021	256	
7/30/2021	270	
1/28/2022		302
8/11/2022		296
2/10/2023		302

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	100	
5/5/2016	63	
7/13/2016	63	
9/13/2016	81	
10/31/2016	40	
1/12/2017	92	
3/23/2017	116	
5/23/2017	107	
9/25/2017	110	
3/14/2018	115	
9/11/2018	102	
3/12/2019	135 (J)	
9/9/2019	95	
3/6/2020	109	
9/9/2020	88	
2/26/2021	90	
7/29/2021	103	
1/28/2022		99
8/10/2022		86
2/9/2023		175

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	167	
5/5/2016	119	
7/13/2016	135	
9/12/2016	129	
11/1/2016	121	
1/11/2017	177	
3/20/2017	149	
5/22/2017	119	
9/21/2017	166	
3/14/2018	139	
9/7/2018	149	
3/12/2019	143 (J)	
9/6/2019	141	
3/5/2020	143	
9/9/2020	120	
2/26/2021	121	
7/29/2021	146	
1/27/2022		146
8/10/2022		147
2/9/2023		171

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	172	
5/9/2016	206	
7/14/2016	136	
9/12/2016	171	
10/31/2016	160	
1/11/2017	214	
3/21/2017	175 (J)	
5/22/2017	129	
9/20/2017	173	
3/14/2018	156	
9/10/2018	172	
3/12/2019	156 (J)	
9/9/2019	172	
3/4/2020	157	
9/9/2020	152	
2/26/2021	172	
8/5/2021	154	
1/27/2022		149
8/9/2022		102
2/9/2023		171

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	207	
5/9/2016	189	
7/14/2016	193	
9/12/2016	201	
10/31/2016	215	
1/12/2017	198	
5/22/2017	197	
9/19/2017	225	
12/29/2017	198 (Y)	
3/14/2018	167	
9/10/2018	184	
3/12/2019	191 (J)	
9/6/2019	179	
3/5/2020	171	
9/4/2020	212	
3/9/2021	163	
8/2/2021	168	
1/27/2022		176
8/9/2022		171
2/10/2023		226 (J)

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	318	
5/9/2016	136	
7/15/2016	237	
9/9/2016	263	
10/27/2016	283	
1/12/2017	276	
3/21/2017	385	
5/23/2017	294	
9/19/2017	302	
3/14/2018	306	
9/10/2018	328	
3/11/2019	311	
9/6/2019	291	
3/3/2020	292	
9/8/2020	297	
3/9/2021	286	
8/2/2021	292	
1/28/2022		290
8/10/2022		286
2/9/2023		317

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	163	
5/5/2016	140	
7/14/2016	161	
9/12/2016	168	
10/27/2016	140	
1/13/2017	147 (J)	
3/20/2017	186	
5/23/2017	183	
9/19/2017	167	
3/13/2018	159	
9/7/2018	169	
3/11/2019	166	
9/5/2019	171	
3/3/2020	181	
9/8/2020	157	
3/9/2021	161	
8/2/2021	166	
1/27/2022		167
8/10/2022		162
2/9/2023		328

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	287	
5/6/2016	284	
7/15/2016	249	
9/14/2016	273	
11/1/2016	258	
1/25/2017	340	
3/22/2017	264	
5/24/2017	331	
9/21/2017	347	
3/14/2018	290	
9/11/2018	295	
3/12/2019	310 (J)	
9/6/2019	300	
3/5/2020	265	
9/9/2020	501	
12/15/2020	351	
3/10/2021	333	
7/30/2021	380	
1/28/2022		454
8/11/2022		586
11/3/2022		573 (R)
2/10/2023		533

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	209	
5/5/2016	152	
7/12/2016	157	
9/13/2016	154	
10/27/2016	162	
1/13/2017	165	
3/20/2017	205 (J)	
5/19/2017	149	
9/19/2017	153	
3/13/2018	153	
9/11/2018	152	
3/8/2019	164	
9/5/2019	155.5 (D)	
3/3/2020	146	
9/9/2020	155	
3/9/2021	158	
7/29/2021	143	
1/28/2022		159
8/9/2022		149
2/9/2023		147

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	177	
5/4/2016	97	
7/18/2016	150	
9/13/2016	159	
10/27/2016	143	
1/13/2017	158	
3/16/2017	167	
5/19/2017	150	
9/19/2017	146	
3/13/2018	153	
9/11/2018	153	
3/8/2019	155	
9/5/2019	177	
3/3/2020	183	
9/4/2020	172	
3/9/2021	153	
8/2/2021	175	
1/27/2022		168
8/9/2022		164
2/9/2023		169

FIGURE F.

Appendix III Interwell Prediction Limits - Two-Step - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:11 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	2/10/2023	533	Yes	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

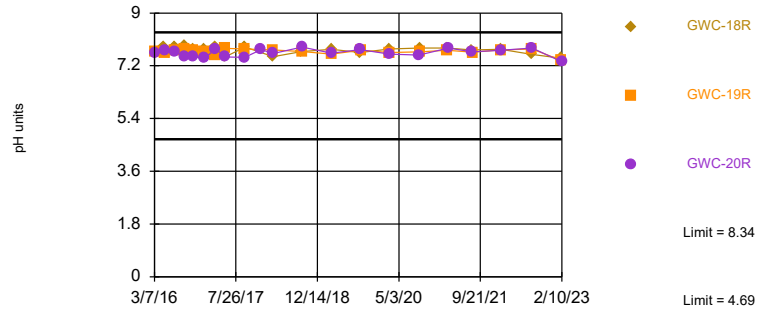
Appendix III Interwell Prediction Limits - Two-Step - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:11 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH units)	GWC-18R	8.34	4.69	2/9/2023	7.46	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-19R	8.34	4.69	2/9/2023	7.38	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-20R	8.34	4.69	2/10/2023	7.34	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-21R	132.5	n/a	2/9/2023	16.8	No	231	n/a	n/a	3.896	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	132.5	n/a	2/9/2023	2.3	No	231	n/a	n/a	3.896	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	410	n/a	2/10/2023	369	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	410	n/a	2/9/2023	175	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	410	n/a	2/9/2023	328	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	2/10/2023	533	Yes	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Within Limits

Prediction Limit
Interwell Non-parametric

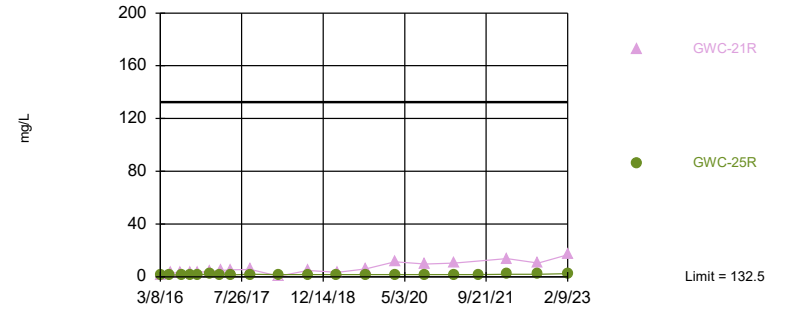


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 233 background values. Annual per-constituent alpha = 0.002161. Individual comparison alpha = 0.00009826 (1 of 2). Comparing 3 points to limit. Assumes 8 future values.

Constituent: pH Analysis Run 3/28/2023 8:10 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Interwell Non-parametric

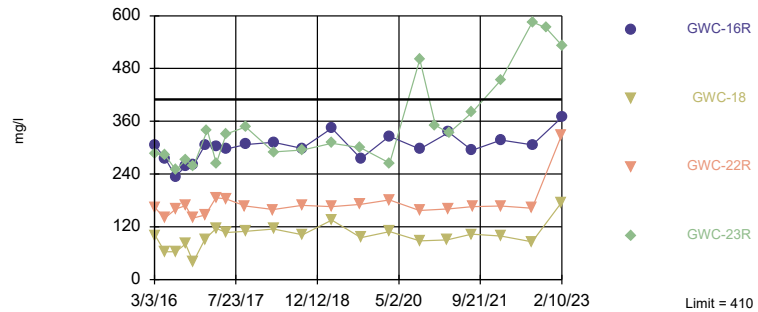


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 231 background values. 3.896% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 2 points to limit. Assumes 9 future values.

Constituent: Sulfate Analysis Run 3/28/2023 8:10 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit: GWC-23R

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 227 background values. 4.846% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 4 points to limit. Assumes 7 future values.

Constituent: Total Dissolved Solids Analysis Run 3/28/2023 8:10 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-19R	GWC-18R	GWC-20R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016							
3/1/2016							
3/2/2016							
3/3/2016	7.44	7.95					
3/7/2016			7.68	7.7			
3/8/2016					7.62		
5/2/2016							
5/3/2016	7.64						
5/4/2016						7.52	
5/5/2016				7.85			
5/9/2016		7.66	7.66		7.72		
7/6/2016							
7/7/2016						7.42	
7/8/2016							
7/11/2016	7.72	7.86					
7/13/2016				7.85			
7/14/2016			7.74		7.69		
9/7/2016							
9/8/2016						7.4	
9/9/2016	7.66	7.89					
9/12/2016			7.76	7.87	7.52		
10/25/2016							
10/26/2016		7.98					7.59
10/27/2016	7.75						
10/31/2016			7.74		7.51		
11/1/2016				7.78			
1/5/2017							
1/6/2017						7.51	
1/9/2017	7.83	7.9					
1/11/2017			7.69	7.75			
1/12/2017					7.46		
2/9/2017							
3/14/2017							
3/15/2017		8					7.51
3/16/2017	7.78						
3/20/2017				7.86			
3/21/2017			7.54				
3/22/2017					7.77		
3/23/2017							
5/16/2017							
5/17/2017							
5/18/2017	7.64	8.21					7.64
5/19/2017							
5/22/2017			7.79	7.51	7.5		
7/18/2017						7.58	
7/19/2017						7.58	
9/15/2017		8.34					
9/18/2017	7.66						
9/19/2017					7.49	7.37	
9/20/2017			7.77				
9/21/2017				7.84			
12/29/2017					7.75 (Y)		

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-19R	GWC-18R	GWC-20R	GWA-51RZ (bg)	GWA-36A (bg)
1/9/2018		8.1 (Y)					
3/12/2018	7.11						
3/13/2018		8.03				7.62	
3/14/2018			7.74	7.51	7.62		
9/6/2018							
9/7/2018	7.6	8.14		7.69		7.36	
9/10/2018			7.69		7.84		
9/11/2018							
3/6/2019							
3/7/2019	7.22	8.05					
3/8/2019						7.55	
3/12/2019			7.6	7.76	7.63		
9/4/2019		7.79				7.39	
9/5/2019	7.53						
9/6/2019				7.65	7.75		
9/9/2019			7.73				
3/2/2020							
3/3/2020						7.73	
3/4/2020	7.27	7.95	7.65				
3/5/2020				7.77	7.6		
9/3/2020							
9/4/2020	7.64	7.82			7.57		
9/8/2020							
9/9/2020			7.67	7.81		7.59	
9/14/2020							
2/24/2021							
2/25/2021	7.27	7.85				7.43	
2/26/2021			7.73	7.81			
3/9/2021					7.81		
3/26/2021							
7/27/2021							
7/28/2021	7.17	7.79				7.29	
7/29/2021				7.74			
8/2/2021					7.67		
8/5/2021			7.66				
8/6/2021							
1/25/2022							
1/26/2022		7.45				7.78	
1/27/2022	7.27		7.74	7.76	7.73		
8/5/2022		7.6					
8/8/2022	7.26						6.79
8/9/2022			7.77		7.81	7.25	
8/10/2022				7.59			
2/8/2023							6.77
2/9/2023			7.38	7.46			
2/10/2023					7.34		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-53R (bg)
2/29/2016	5.7396								
3/1/2016		2.5655	0.9427 (J)	6.8929					
3/2/2016					32.178	7.1892	1.799	2.5669	2.0407
3/3/2016									
3/8/2016									
5/2/2016		1.64		1.6					
5/3/2016			0.87 (J)		39.2		1.94	1.83	1.86
5/4/2016	6.87					7.22			
5/9/2016									
7/6/2016				1.7					
7/7/2016		1.7						1.8	
7/8/2016	8.1		0.79 (J)			6.7	2		
7/11/2016					16				2
7/15/2016									
7/18/2016									
9/7/2016		1.8	0.85 (J)	1.5					1.9
9/8/2016	6.6					7	1.9	0.97 (J)	
9/9/2016					9.7				
9/13/2016									
10/25/2016		1.4	0.74 (J)	1.8				1.2	
10/26/2016	4.7				9.2	6.4	2.1		
10/27/2016									2.1
1/5/2017		1.9 (J)		4.6					
1/6/2017	4.8		0.64 (J)						2
1/9/2017					9.3	5.9	1.9		
1/12/2017									
1/13/2017									
2/9/2017								0.31 (J)	
3/14/2017			0.77 (J)	2.8					
3/15/2017	3.9	1.2				6.2			
3/16/2017					6.9		2		1.9
3/21/2017									
3/23/2017								0.54 (J)	
5/16/2017			0.48 (J)	2.1					
5/17/2017	5.2	1.2						0.66 (J)	
5/18/2017					7.9	6.1			
5/19/2017							2		1.9
5/23/2017									
7/19/2017									
9/15/2017	4.4	1	0.76 (J)	3	17	5.8			
9/18/2017									
9/19/2017							2	2	2.1
3/12/2018		0.77 (J)	0.42 (J)	8.2	28.7				
3/13/2018	8.5					4.9	1.9	1.5	1.9
3/14/2018									
9/6/2018	7.2	0.8 (J)	0.37 (J)	1.5		3.5		1.4	
9/7/2018					27.4				
9/10/2018									
9/11/2018							1.9		1.8
3/6/2019		0.45 (J)	0.46 (J)						
3/7/2019	12.7			4.3		2.6		1.1	
3/8/2019					31.8		1.8		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-53R (bg)
3/11/2019									
3/12/2019									2.2
9/4/2019	4.2	0.68 (J)	<1	1.8				0.83 (J)	
9/5/2019					21.5	2.4	1.5		1.5
9/6/2019									
3/2/2020	16.3	<1	<1	7.9				0.5 (J)	
3/3/2020					29	1.7			
3/4/2020							1.5		1.7
9/3/2020	3.5	0.65 (J)	<1					0.58 (J)	
9/4/2020					20.4				
9/8/2020						1.8	1.4		1.4
9/9/2020									
9/14/2020				1.3					
2/24/2021	29.2	0.51 (J)	<1					0.72 (J)	
2/25/2021					34.5	1.7			
2/26/2021							1.6		1.6
3/9/2021									
3/26/2021				5.4					
7/27/2021	23.3			7.4		1.8			
7/28/2021			<1		32.8			0.81 (J)	
7/29/2021							1.3		1.4
8/2/2021									
8/6/2021		0.94 (J)							
1/25/2022	8.6					1.4		0.58 (J)	
1/26/2022			<1	7.5	32.5		1.4		1.6
1/27/2022									
1/28/2022									
8/5/2022	4.4					1.4		<1	
8/8/2022			<1	19.2	30		1.3		1.5
8/9/2022									
8/10/2022									
2/8/2023			0.75 (J)	21.7				0.9 (J)	
2/9/2023									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-21R	GWC-25R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016	22.316	132.4615				
3/8/2016			1.3858	1.3157		
5/2/2016						
5/3/2016	20.8					
5/4/2016				1.46	16.8	
5/9/2016		34.3	2.94			
7/6/2016						
7/7/2016					18	
7/8/2016						
7/11/2016	17	58				
7/15/2016			3			
7/18/2016				1.5		
9/7/2016						
9/8/2016					18	
9/9/2016	14	66	3.2			
9/13/2016				1.5		
10/25/2016						
10/26/2016		76			20	
10/27/2016	15		3.6	1.7		
1/5/2017						
1/6/2017					21	
1/9/2017	17	85				
1/12/2017			3.9			
1/13/2017				2		
2/9/2017						
3/14/2017						
3/15/2017		100			17	
3/16/2017	15			1.6		
3/21/2017			4.8			
3/23/2017						
5/16/2017						
5/17/2017						
5/18/2017	24	87			19	
5/19/2017				1.5		
5/23/2017			5.4			
7/19/2017					10	
9/15/2017		110				
9/18/2017	22					
9/19/2017			5.6	1.8	22	
3/12/2018	22					
3/13/2018		94.8		1.7	27.3	
3/14/2018			<1			
9/6/2018						
9/7/2018	22.4	101			26.9	
9/10/2018			4.8			
9/11/2018				1.7		
3/6/2019						
3/7/2019	25	88.7				
3/8/2019				1.6	23.6	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-21R	GWC-25R	GWA-51RZ (bg)	GWA-36A (bg)
3/11/2019			3.4			
3/12/2019						
9/4/2019		67.8			22.9	
9/5/2019	22.7			1.6		
9/6/2019			6			
3/2/2020						
3/3/2020			11.3	1.6	21.5	
3/4/2020	23.4	69.4				
9/3/2020						
9/4/2020	16.1	54.9		1.6		
9/8/2020			9.6			
9/9/2020					21.8	
9/14/2020						
2/24/2021						
2/25/2021	23.2	62.6			29.5	
2/26/2021						
3/9/2021			10.5	1.6		
3/26/2021						
7/27/2021						
7/28/2021	24.9	58.6			26.5	
7/29/2021						
8/2/2021			21.5 (o)	1.7		
8/6/2021						
1/25/2022						
1/26/2022		47.1			22.2	
1/27/2022	20.7			2		
1/28/2022			13.7			
8/5/2022		42.9				
8/8/2022	23.5					23.4
8/9/2022				1.9	22.3	
8/10/2022			10.5			
2/8/2023						24.6
2/9/2023			16.8	2.3		

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
2/29/2016	134								
3/1/2016		34	150	96					
3/2/2016					125	134	130	34	185
3/3/2016									
3/7/2016									
3/9/2016									
5/2/2016			105	63					
5/3/2016		<25				76	99	<25	182
5/4/2016	113				77				
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016			113						
7/7/2016				105				39	
7/8/2016	152	14 (J)			139		132		
7/11/2016						142			195
7/13/2016									
7/14/2016									
7/15/2016									
9/7/2016		16 (J)	169	103		143			
9/8/2016	124				110		108	<25	
9/9/2016									140
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		<25	152	101				<25	
10/26/2016	134				115		113		148
10/27/2016						114			
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017			229	155					
1/6/2017		189 (O)							
1/9/2017					121		146		171
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017								65	
3/14/2017		90 (o)	188						
3/15/2017	139			96	132				
3/16/2017						146	132		176
3/20/2017									
3/22/2017									
3/23/2017								<25	
5/16/2017		20 (J)	147						
5/17/2017	156			110				113	
5/18/2017					174				184
5/19/2017						129	114		
5/23/2017									

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
5/24/2017									
7/19/2017									
9/15/2017	141	14 (J)	146	89	124				194
9/18/2017									
9/19/2017						165	154	21 (J)	
9/21/2017									
9/25/2017									
3/12/2018		<25	169	81					212
3/13/2018	150				133	132	138	33	
3/14/2018									
9/6/2018	160	<25	155	107	135			<25	
9/7/2018									240
9/11/2018						142	140		
3/6/2019		22 (J)		71 (J)					
3/7/2019	159		135		111			84	
3/8/2019							143		248
3/11/2019									
3/12/2019						150 (J)			
9/4/2019	135	26	142	83				44	
9/5/2019					132	142	148		229
9/6/2019									
9/9/2019									
3/2/2020	142	<25	170	65				32	
3/3/2020					91				210
3/4/2020						157	146		
3/5/2020									
3/6/2020									
9/3/2020	132	25		90				21	
9/4/2020									226
9/8/2020					116	124	138		
9/9/2020									
9/14/2020			156						
12/15/2020									
2/24/2021	144	10		60				12	
2/25/2021					124				217
2/26/2021						98	128		
3/9/2021									
3/10/2021									
3/26/2021			123						
7/27/2021	170		163		116				
7/28/2021		13						18	232
7/29/2021						134	121		
7/30/2021									
8/2/2021									
8/6/2021				94					
1/25/2022	136				113			27	
1/26/2022		26	184			144	131		244
1/27/2022									
1/28/2022									
8/5/2022	123				106			27	
8/8/2022		19	232			136	137		240
8/9/2022									

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
8/10/2022									
8/11/2022									
11/3/2022									
2/8/2023		<25		238				31	
2/9/2023									
2/10/2023									

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-18	GWC-22R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016								
3/1/2016								
3/2/2016								
3/3/2016	403	181	306					
3/7/2016				100	163			
3/9/2016						287		
5/2/2016								
5/3/2016		123						
5/4/2016							175	
5/5/2016				63	140			
5/6/2016						284		
5/9/2016	182							
5/10/2016			275					
7/6/2016								
7/7/2016							204	
7/8/2016								
7/11/2016	262	149						
7/13/2016			234	63				
7/14/2016					161			
7/15/2016						249		
9/7/2016								
9/8/2016								141
9/9/2016	272	133						
9/12/2016					168			
9/13/2016				81				
9/14/2016						273		
9/15/2016			259					
10/25/2016								
10/26/2016	276							153
10/27/2016		168			140			
10/31/2016				40				
11/1/2016							258	
11/2/2016			260					
1/5/2017								
1/6/2017								329
1/9/2017	317	166						
1/11/2017			306					
1/12/2017				92				
1/13/2017					147 (J)			
1/25/2017						340		
2/9/2017								
3/14/2017								
3/15/2017	355							197
3/16/2017		189						
3/20/2017			304		186			
3/22/2017						264		
3/23/2017				116				
5/16/2017								
5/17/2017								
5/18/2017	382	192						250
5/19/2017								
5/23/2017			297	107	183			

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-18	GWC-22R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
8/10/2022				86	162			
8/11/2022			306			586		
11/3/2022						573 (R)		
2/8/2023								245
2/9/2023				175	328			
2/10/2023			369			533		

FIGURE G.

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-16R	54.8	n/a	2/10/2023	84.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	2/10/2023	69.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	2/9/2023	68.2	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	2/10/2023	68.7	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

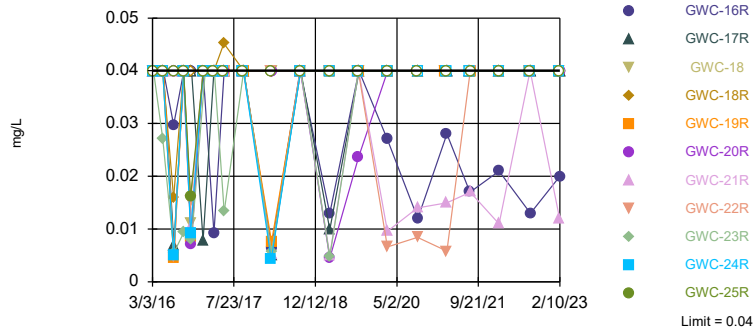
Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-16R	0.04	n/a	2/10/2023	0.02J	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.04	n/a	2/9/2023	0.012J	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-16R	54.8	n/a	2/10/2023	84.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	2/10/2023	69.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	54.8	n/a	2/9/2023	26.2	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18R	54.8	n/a	2/9/2023	31.2	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19R	54.8	n/a	2/9/2023	33.7	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20R	54.8	n/a	2/10/2023	38.4	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	2/9/2023	68.2	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22R	54.8	n/a	2/9/2023	37	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	2/10/2023	68.7	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-24R	54.8	n/a	2/9/2023	32.8	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-25R	54.8	n/a	2/9/2023	35.6	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.4	n/a	2/10/2023	0.22	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-17R	0.4	n/a	2/10/2023	0.057J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.4	n/a	2/9/2023	0.072J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20R	0.4	n/a	2/10/2023	0.054J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21R	0.4	n/a	2/9/2023	0.064J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-22R	0.4	n/a	2/9/2023	0.052J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23R	0.4	n/a	2/10/2023	0.078J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-24R	0.4	n/a	2/9/2023	0.053J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-25R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

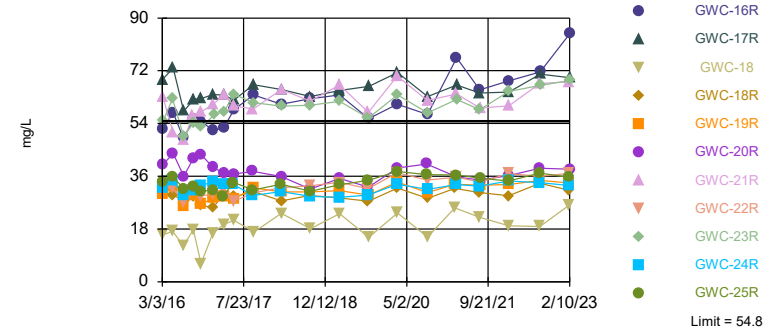


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 231 background values. 64.07% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 11 points to limit.

Constituent: Boron Analysis Run 3/28/2023 8:23 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit: GWC-16R, GWC-17R, GWC-21R, GWC-23R

Prediction Limit
Interwell Non-parametric

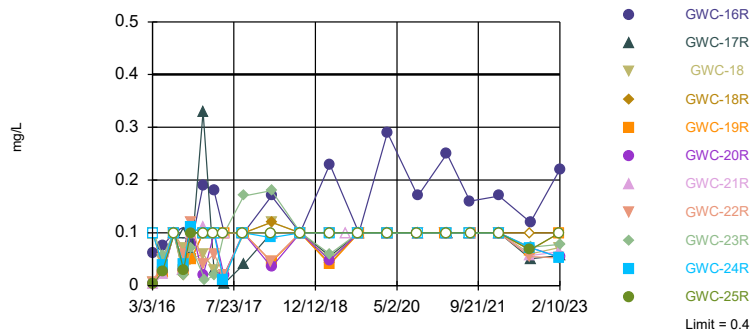


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 231 background values. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 11 points to limit.

Constituent: Calcium Analysis Run 3/28/2023 8:23 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 231 background values. 58.87% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 11 points to limit.

Constituent: Fluoride Analysis Run 3/28/2023 8:23 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)
2/29/2016	<0.04								
3/1/2016		<0.04	<0.04	<0.04					
3/2/2016					<0.04	<0.04	<0.04	<0.04	<0.04
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016									
3/9/2016									
5/2/2016		<0.04	<0.04						
5/3/2016				<0.04	<0.04	<0.04		<0.04	<0.04
5/4/2016	<0.04						<0.04		
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016		0.0059 (J)							
7/7/2016			0.0081 (J)		<0.04				
7/8/2016	0.009 (J)			0.0067 (J)			0.0046 (J)		<0.04
7/11/2016						0.0054 (J)		<0.04	
7/12/2016									
7/13/2016									
7/14/2016									
7/15/2016									
7/18/2016									
9/7/2016		<0.04	<0.04	0.0084 (J)				<0.04	
9/8/2016	<0.04				<0.04		0.0081 (J)		<0.04
9/9/2016						<0.04			
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		0.0077 (J)	0.0071 (J)	0.0089 (J)	<0.04				
10/26/2016	0.0077 (J)					0.0144 (J)	0.0088 (J)		0.0095 (J)
10/27/2016								0.0148 (J)	
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017		0.0074 (J)	<0.04						
1/6/2017	0.0084 (J)			<0.04				<0.04	
1/9/2017						<0.04	<0.04		<0.04
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017					<0.04				
3/14/2017		0.0062 (J)		<0.04					
3/15/2017	<0.04		<0.04				<0.04		
3/16/2017						<0.04		<0.04	<0.04
3/20/2017									
3/21/2017									
3/22/2017									
3/23/2017					<0.04				

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)
5/16/2017		<0.04		<0.04					
5/17/2017	<0.04		<0.04		<0.04				
5/18/2017						<0.04	<0.04		
5/19/2017								<0.04	<0.04
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	<0.04	<0.04	<0.04	<0.04		<0.04	<0.04		
9/18/2017									
9/19/2017					<0.04			<0.04	<0.04
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		0.0082 (J)	<0.04	0.004 (J)		0.0055 (J)			
3/13/2018	0.0084 (J)				<0.04		0.0053 (J)	<0.04	<0.04
3/14/2018									
9/6/2018	<0.04	<0.04	<0.04	<0.04	<0.04		<0.04		
9/7/2018						<0.04			
9/10/2018									
9/11/2018								<0.04	<0.04
3/6/2019			<0.04	<0.04					
3/7/2019	<0.04	0.0049 (J)			<0.04		<0.04		
3/8/2019						0.0056 (J)			<0.04
3/11/2019									
3/12/2019								<0.04	
9/4/2019	<0.04	<0.04	<0.04	<0.04	<0.04				
9/5/2019						<0.04	<0.04	<0.04	<0.04
9/6/2019									
9/9/2019									
9/10/2019									
3/2/2020	0.007 (J)	0.014 (J)	0.01 (J)	0.0052 (J)	<0.04				
3/3/2020						0.01 (J)	0.0084 (J)		
3/4/2020								<0.04	0.0064 (J)
3/5/2020									
3/6/2020									
9/3/2020	<0.04		<0.04	<0.04	<0.04				
9/4/2020						0.0053 (J)			
9/8/2020							<0.04	<0.04	0.0072 (J)
9/9/2020									
9/14/2020		0.0065 (J)							
2/24/2021	0.0099 (J)		0.0062 (J)	<0.04	<0.04				
2/25/2021						0.0075 (J)	<0.04		
2/26/2021								<0.04	<0.04
3/9/2021									
3/10/2021									
3/26/2021		0.019 (J)							
7/27/2021	0.021 (J)	0.013 (J)					<0.04		
7/28/2021				<0.04	<0.04	<0.04			
7/29/2021								<0.04	<0.04
7/30/2021									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)
8/2/2021									
8/5/2021									
8/6/2021			<0.04						
1/25/2022	<0.04				<0.04		<0.04		
1/26/2022		0.012 (J)		<0.04		<0.04		<0.04	<0.04
1/27/2022									
1/28/2022									
8/5/2022	<0.04				0.009 (J)		<0.04		
8/8/2022		0.018 (J)		<0.04		<0.04		<0.04	<0.04
8/9/2022									
8/10/2022									
8/11/2022									
2/8/2023		0.023 (J)		<0.04	<0.04				
2/9/2023									
2/10/2023									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	<0.04	<0.04	<0.04						
3/4/2016				<0.04	<0.04				
3/7/2016						<0.04	<0.04	<0.04	<0.04
3/8/2016									
3/9/2016									
5/2/2016									
5/3/2016			<0.04						
5/4/2016									
5/5/2016					<0.04	<0.04	<0.04		<0.04
5/6/2016									
5/9/2016		<0.04						<0.04	
5/10/2016	<0.04			<0.04					
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016		0.0128 (J)	0.0047 (J)						
7/12/2016					0.005 (J)				
7/13/2016	0.0297 (J)						0.0047 (J)		0.0159 (J)
7/14/2016				0.0069 (J)		0.0047 (J)		0.0045 (J)	
7/15/2016									
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016		0.0158 (J)	<0.04						
9/12/2016						<0.04		<0.04	<0.04
9/13/2016					<0.04		<0.04		
9/14/2016				<0.04					
9/15/2016	<0.04								
10/25/2016									
10/26/2016		0.0257 (J)							
10/27/2016			0.0108 (J)		0.0093 (J)	0.0153 (J)			
10/31/2016							0.0111 (J)	0.0086 (J)	
11/1/2016				<0.04					<0.04
11/2/2016	<0.04								
1/5/2017									
1/6/2017									
1/9/2017		0.0219 (J)	<0.04						
1/11/2017	<0.04			0.0078 (J)				<0.04	<0.04
1/12/2017							<0.04		
1/13/2017					<0.04	<0.04			
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017		0.0253 (J)							
3/16/2017			<0.04						
3/20/2017	0.0092 (J)				<0.04	<0.04			<0.04
3/21/2017				<0.04				<0.04	
3/22/2017									
3/23/2017							<0.04		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
5/16/2017									
5/17/2017									
5/18/2017		0.0249 (J)	<0.04						
5/19/2017					<0.04				
5/22/2017								<0.04	0.0452
5/23/2017	<0.04			<0.04		<0.04	<0.04		
5/24/2017									
7/19/2017									
9/15/2017		<0.04							
9/18/2017			<0.04						
9/19/2017					<0.04	<0.04			
9/20/2017								<0.04	
9/21/2017	<0.04								<0.04
9/22/2017				<0.04					
9/25/2017							<0.04		
3/12/2018			0.0041 (J)						
3/13/2018		0.024 (J)			0.0042 (J)	<0.04			
3/14/2018	0.0065 (J)			0.0051 (J)			<0.04	0.0076 (J)	<0.04
9/6/2018									
9/7/2018	<0.04	0.024 (J)	<0.04			<0.04			<0.04
9/10/2018								<0.04	
9/11/2018				<0.04	<0.04		<0.04		
3/6/2019									
3/7/2019		0.02 (J)	<0.04						
3/8/2019					<0.04				
3/11/2019	0.013 (J)					<0.04			
3/12/2019				0.0099 (J)			<0.04	<0.04	<0.04
9/4/2019		0.015 (J)							
9/5/2019			<0.04		<0.04	<0.04			
9/6/2019									<0.04
9/9/2019	<0.04						<0.04	<0.04	
9/10/2019				<0.04					
3/2/2020									
3/3/2020					<0.04	0.0066 (J)			
3/4/2020	0.027 (J)	0.022 (J)	0.0063 (J)					<0.04	
3/5/2020				<0.04					<0.04
3/6/2020							<0.04		
9/3/2020									
9/4/2020		0.015 (J)	<0.04						
9/8/2020						0.0084 (J)			
9/9/2020	0.012 (J)			<0.04	<0.04		<0.04	<0.04	<0.04
9/14/2020									
2/24/2021									
2/25/2021		0.017 (J)	0.0055 (J)						
2/26/2021							<0.04	<0.04	<0.04
3/9/2021	0.028 (J)				<0.04	0.0058 (J)			
3/10/2021				<0.04					
3/26/2021									
7/27/2021									
7/28/2021		0.016 (J)	<0.04						
7/29/2021					<0.04		<0.04		<0.04
7/30/2021	0.017 (J)			<0.04					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
8/2/2021						<0.04			
8/5/2021								<0.04	
8/6/2021									
1/25/2022									
1/26/2022		0.014 (J)							
1/27/2022			<0.04			<0.04		<0.04	<0.04
1/28/2022	0.021 (J)			<0.04	<0.04		<0.04		
8/5/2022		0.015 (J)							
8/8/2022			<0.04						
8/9/2022					<0.04			<0.04	
8/10/2022						<0.04	<0.04		<0.04
8/11/2022	0.013 (J)			<0.04					
2/8/2023									
2/9/2023					<0.04	<0.04	<0.04	<0.04	<0.04
2/10/2023	0.02 (J)			<0.04					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016						
3/4/2016						
3/7/2016						
3/8/2016	<0.04	<0.04	<0.04			
3/9/2016				<0.04		
5/2/2016						
5/3/2016						
5/4/2016	<0.04				<0.04	
5/5/2016						
5/6/2016				0.0271 (J)		
5/9/2016		<0.04	<0.04			
5/10/2016						
7/6/2016						
7/7/2016					0.0096 (J)	
7/8/2016						
7/11/2016						
7/12/2016						
7/13/2016						
7/14/2016		<0.04				
7/15/2016			<0.04	0.0055 (J)		
7/18/2016	<0.04					
9/7/2016						
9/8/2016					0.0137 (J)	
9/9/2016			<0.04			
9/12/2016		<0.04				
9/13/2016	<0.04					
9/14/2016				0.0094 (J)		
9/15/2016						
10/25/2016						
10/26/2016					0.0247 (J)	
10/27/2016	0.0162 (J)		0.0103 (J)			
10/31/2016		0.007 (J)				
11/1/2016				0.008 (J)		
11/2/2016						
1/5/2017						
1/6/2017					0.0082 (J)	
1/9/2017						
1/11/2017						
1/12/2017		<0.04	<0.04			
1/13/2017	<0.04					
1/25/2017				<0.04		
2/9/2017						
3/14/2017						
3/15/2017					<0.04	
3/16/2017	<0.04					
3/20/2017						
3/21/2017			<0.04			
3/22/2017		<0.04		<0.04		
3/23/2017						

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
5/16/2017						
5/17/2017						
5/18/2017					0.0076 (J)	
5/19/2017	<0.04					
5/22/2017		<0.04				
5/23/2017			<0.04			
5/24/2017				0.0133 (J)		
7/19/2017					0.0193 (J)	
9/15/2017						
9/18/2017						
9/19/2017	<0.04	<0.04	<0.04		0.0132 (J)	
9/20/2017						
9/21/2017				<0.04		
9/22/2017						
9/25/2017						
3/12/2018						
3/13/2018	<0.04				0.013 (J)	
3/14/2018		<0.04	0.0053 (J)	0.0056 (J)		
9/6/2018						
9/7/2018					<0.04	
9/10/2018		<0.04	<0.04			
9/11/2018	<0.04			<0.04		
3/6/2019						
3/7/2019						
3/8/2019	<0.04				0.0085 (J)	
3/11/2019			0.005 (J)			
3/12/2019		0.0045 (J)		0.0047 (J)		
9/4/2019					0.01 (J)	
9/5/2019	<0.04					
9/6/2019		0.02365 (JD)	<0.04	<0.04		
9/9/2019						
9/10/2019						
3/2/2020						
3/3/2020	<0.04		0.0096 (J)		0.0096 (J)	
3/4/2020						
3/5/2020		<0.04		<0.04		
3/6/2020						
9/3/2020						
9/4/2020	<0.04	<0.04				
9/8/2020			0.014 (J)			
9/9/2020				<0.04	0.0054 (J)	
9/14/2020						
2/24/2021						
2/25/2021					0.0052 (J)	
2/26/2021						
3/9/2021	<0.04	<0.04	0.015 (J)			
3/10/2021				<0.04		
3/26/2021						
7/27/2021						
7/28/2021					<0.04	
7/29/2021						
7/30/2021				<0.04		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
8/2/2021	<0.04	<0.04	0.017 (J)			
8/5/2021						
8/6/2021						
1/25/2022						
1/26/2022					0.0088 (J)	
1/27/2022	<0.04	<0.04				
1/28/2022			0.011 (J)	<0.04		
8/5/2022						
8/8/2022						0.023 (J)
8/9/2022	<0.04	<0.04			<0.04	
8/10/2022			<0.04			
8/11/2022				<0.04		
2/8/2023						0.028 (J)
2/9/2023	<0.04		0.012 (J)			
2/10/2023		<0.04		<0.04		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)
2/29/2016	30								
3/1/2016		32	20	0.98					
3/2/2016					2	38	27	29	29
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016									
3/9/2016									
5/2/2016		30	19.6						
5/3/2016				1.12	2.68	48.7		31	31.2
5/4/2016	30						27.6		
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016		29.2							
7/7/2016			19.3		2.21				
7/8/2016	30.1			1			25.7		30
7/11/2016						34.8		28.2	
7/12/2016									
7/13/2016									
7/14/2016									
7/15/2016									
7/18/2016									
9/7/2016		28.4	19.9	0.858				27.6	
9/8/2016	26.8				1.8		26.3		28.6
9/9/2016						32.1			
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		30.8	19.3	0.859	1.15				
10/26/2016	26.9					32.9	24		25.5
10/27/2016								26.5	
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017		32.6	21						
1/6/2017	27.6			1				26	
1/9/2017						32.5	24.1		26.1
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017					0.495 (J)				
3/14/2017		29.1		0.844					
3/15/2017	26.2		13.4				24.1		
3/16/2017						30.8		26.6	26.7
3/20/2017									
3/21/2017									
3/22/2017									
3/23/2017					0.543				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	52	36	36						
3/4/2016				69	32				
3/7/2016						32	16	30	30
3/8/2016									
3/9/2016									
5/2/2016									
5/3/2016			39.1						
5/4/2016									
5/5/2016					34.6	32.2	17.2		29.6
5/6/2016									
5/9/2016		39						32.6	
5/10/2016	57.6			72.9					
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016		35.7	31.6						
7/12/2016					29.6				
7/13/2016	49						12.3		27.8
7/14/2016				58.2		26.8		25.6	
7/15/2016									
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016		32	29.8						
9/12/2016						31.1		29.6	29.1
9/13/2016					31.1		17.8		
9/14/2016				62.2					
9/15/2016	55.4								
10/25/2016									
10/26/2016		28.5							
10/27/2016			28.9		32.8	29.2			
10/31/2016							6.22	26.5	
11/1/2016				62.5					26.2
11/2/2016	54.8								
1/5/2017									
1/6/2017									
1/9/2017		27.5	27.9						
1/11/2017	51.6			63.9				28.5	25.2
1/12/2017							16.6		
1/13/2017					34	30			
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017		24.8							
3/16/2017			28.2						
3/20/2017	52.5				33.4	32			29.9
3/21/2017				63.8				29.1	
3/22/2017									
3/23/2017							19.6		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
5/16/2017									
5/17/2017									
5/18/2017		26.9	31.3						
5/19/2017					33.2				
5/22/2017								28.2	28.9
5/23/2017	58.7			62		27.5	21		
5/24/2017									
7/19/2017									
9/15/2017		19.6							
9/18/2017			29.7						
9/19/2017					29.5	30.3			
9/20/2017								32.1	
9/21/2017	63.8								30.8
9/22/2017				67.2					
9/25/2017							17		
3/12/2018			38.2						
3/13/2018		26			30.8	32.1			
3/14/2018	60.6			65.6			23.4 (J)	30.7	27.6
9/6/2018									
9/7/2018	62.4	25.1	40.3			32.7			29.5
9/10/2018								30.7	
9/11/2018				63.2	29.1		18.1 (J)		
3/6/2019									
3/7/2019		33.3	40.4						
3/8/2019					28.8				
3/11/2019	63.8					33.9			
3/12/2019				65.3			23.2 (J)	31.1	28.6
9/4/2019		31.6							
9/5/2019			34.6		29.6 (D)	31.8			
9/6/2019									27.5
9/9/2019	55.7						15.2	29.6	
9/10/2019				66.7					
3/2/2020									
3/3/2020					33.3	37.2			
3/4/2020	60.6	38	39.9					34	
3/5/2020				71.4					32
3/6/2020							23.5		
9/3/2020									
9/4/2020		34.5	34.4						
9/8/2020						34.7			
9/9/2020	57.1			63.2	31.5		15.3	30.5	28.5
9/14/2020									
2/24/2021									
2/25/2021		36	44.8						
2/26/2021							25.2	33.3	31.9
3/9/2021	76.4				33.2	35.7			
3/10/2021				67.1					
3/26/2021									
7/27/2021									
7/28/2021		35.1	44.9						
7/29/2021					32.6		22		30.5
7/30/2021	65.5			64.4					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
8/2/2021						34.1			
8/5/2021								33	
8/6/2021									
1/25/2022									
1/26/2022		37.6							
1/27/2022			44.4			36.9		33.2	29.3
1/28/2022	68.5			64.7	34.4		19.1		
8/5/2022		38							
8/8/2022			47						
8/9/2022					33.8			34.6	
8/10/2022						36	18.9		33.6
8/11/2022	71.6			70.8					
2/8/2023									
2/9/2023					32.8	37	26.2	33.7	31.2
2/10/2023	84.6			69.6					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016						
3/4/2016						
3/7/2016						
3/8/2016	34	40	63			
3/9/2016				55		
5/2/2016						
5/3/2016						
5/4/2016	36				43.4	
5/5/2016						
5/6/2016				62.4		
5/9/2016		43.8	50.8			
5/10/2016						
7/6/2016						
7/7/2016					40.1	
7/8/2016						
7/11/2016						
7/12/2016						
7/13/2016						
7/14/2016		36				
7/15/2016			48.2	49.5		
7/18/2016	31.7					
9/7/2016						
9/8/2016					37.1	
9/9/2016			56.9			
9/12/2016		42.1				
9/13/2016	32.5					
9/14/2016				54.4		
9/15/2016						
10/25/2016						
10/26/2016					38.8	
10/27/2016	30.9		57.9			
10/31/2016		43.4				
11/1/2016				52.8		
11/2/2016						
1/5/2017						
1/6/2017					39.6	
1/9/2017						
1/11/2017						
1/12/2017		39.1	60.5			
1/13/2017	31.2					
1/25/2017				57.2		
2/9/2017						
3/14/2017						
3/15/2017					36.1	
3/16/2017	29					
3/20/2017						
3/21/2017			63.7			
3/22/2017		37		58.1		
3/23/2017						

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
5/16/2017						
5/17/2017						
5/18/2017					40.1	
5/19/2017	33.9					
5/22/2017		36.8				
5/23/2017			60			
5/24/2017				64		
7/19/2017					46.9	
9/15/2017						
9/18/2017						
9/19/2017	31.3	37.7	58.9		47.7	
9/20/2017						
9/21/2017				61.1		
9/22/2017						
9/25/2017						
3/12/2018						
3/13/2018	33.3				46.1	
3/14/2018		35.9	65.6	59.9		
9/6/2018						
9/7/2018					44.2	
9/10/2018		31.6	61.7			
9/11/2018	30.9			60.2		
3/6/2019						
3/7/2019						
3/8/2019	33.1				46.6	
3/11/2019			67.1			
3/12/2019		35.2		61.6		
9/4/2019					40.7	
9/5/2019	34.6					
9/6/2019		32.35 (D)	57.8	55.9		
9/9/2019						
9/10/2019						
3/2/2020						
3/3/2020	37.6		70.2		47.6	
3/4/2020						
3/5/2020		38.9		63.7		
3/6/2020						
9/3/2020						
9/4/2020	36.6	40.2				
9/8/2020			61.9			
9/9/2020				57.6	44.1	
9/14/2020						
2/24/2021						
2/25/2021					49.8	
2/26/2021						
3/9/2021	36.4	35.8	64.1			
3/10/2021				62.2		
3/26/2021						
7/27/2021						
7/28/2021					47.1	
7/29/2021						
7/30/2021				58.7		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
8/2/2021	35.4	34.7	59.3			
8/5/2021						
8/6/2021						
1/25/2022						
1/26/2022					50.5	
1/27/2022	34.4	36.2				
1/28/2022			60	64.9		
8/5/2022						
8/8/2022						53.1
8/9/2022	37.1	38.7			46.1	
8/10/2022			67.7			
8/11/2022				67		
2/8/2023						51.6
2/9/2023	35.6		68.2			
2/10/2023		38.4		68.7		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
2/29/2016	0.0375 (J)								
3/1/2016		0.0153 (J)	0.0172 (J)	0.0215 (J)					
3/2/2016					0.0427 (J)	0.0238 (J)	0.0202 (J)	0.0121 (J)	0.0293 (J)
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016									
3/9/2016									
5/2/2016		0.018 (J)	0.018 (J)						
5/3/2016				0.023 (J)		0.027 (J)	0.025 (J)	0.013 (J)	0.049 (J)
5/4/2016	0.04 (J)				0.048 (J)				
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016			0.02 (J)						
7/7/2016		<0.1						<0.1	
7/8/2016	0.11 (J)			0.02 (J)	0.12 (J)		0.09 (J)		
7/11/2016						<0.1			<0.1
7/12/2016									
7/13/2016									
7/14/2016									
7/15/2016									
7/18/2016									
9/7/2016		<0.1	<0.1	<0.1		<0.1			
9/8/2016	<0.1				<0.1		<0.1	<0.1	
9/9/2016									0.05 (J)
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		<0.1	0.03 (J)	0.04 (J)				0.03 (J)	
10/26/2016	0.04 (J)				0.11 (J)		0.04 (J)		0.08 (J)
10/27/2016						0.1 (J)			
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017		<0.1	0.03 (J)						
1/6/2017	0.04 (J)			<0.1		0.02 (J)			
1/9/2017					0.04 (J)		0.02 (J)		0.05 (J)
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017								<0.1	
3/14/2017			<0.1	<0.1					
3/15/2017	<0.1	<0.1			0.009 (J)				
3/16/2017						0.04 (J)	<0.1		0.07 (J)
3/20/2017									
3/21/2017									
3/22/2017									
3/23/2017								<0.1	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
5/16/2017			<0.1	<0.1					
5/17/2017	0.01 (J)	<0.1						<0.1	
5/18/2017					0.02 (J)				<0.1
5/19/2017						0.004 (J)	<0.1		
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	<0.1	<0.1	<0.1	<0.1	0.03 (J)				<0.1
9/18/2017									
9/19/2017						<0.1	<0.1	<0.1	
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		<0.1	<0.1	<0.1					<0.1
3/13/2018	0.084 (J)				0.054 (J)	0.032 (J)	<0.1	<0.1	
3/14/2018									
9/6/2018	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	
9/7/2018									<0.1
9/10/2018									
9/11/2018						<0.1	<0.1		
3/6/2019		<0.1		<0.1					
3/7/2019	<0.1		<0.1		<0.1			<0.1	
3/8/2019							<0.1		<0.1
3/11/2019									
3/12/2019						0.046 (J)			
6/18/2019									
9/4/2019	<0.1	<0.1	<0.1	<0.1				<0.1	
9/5/2019					<0.1	<0.1	<0.1		<0.1
9/6/2019									
9/9/2019									
9/10/2019									
3/2/2020	<0.1	<0.1	<0.1	<0.1				<0.1	
3/3/2020					<0.1				<0.1
3/4/2020						<0.1	<0.1		
3/5/2020									
3/6/2020									
9/3/2020	<0.1	<0.1		<0.1				<0.1	
9/4/2020									<0.1
9/8/2020					<0.1	<0.1	<0.1		
9/9/2020									
9/14/2020			<0.1						
2/24/2021	<0.1	<0.1		<0.1				<0.1	
2/25/2021					<0.1				<0.1
2/26/2021						<0.1	<0.1		
3/9/2021									
3/10/2021									
3/26/2021			<0.1						
7/27/2021	<0.1		<0.1		<0.1				
7/28/2021				<0.1				<0.1	<0.1
7/29/2021						<0.1	<0.1		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
7/30/2021									
8/2/2021									
8/5/2021									
8/6/2021		<0.1							
1/25/2022	<0.1				<0.1			<0.1	
1/26/2022			<0.1	<0.1		<0.1	<0.1		<0.1
1/27/2022									
1/28/2022									
8/5/2022	0.065 (J)				0.073 (J)			<0.1	
8/8/2022			0.062 (J)	0.061 (J)		0.066 (J)	0.067 (J)		0.078 (J)
8/9/2022									
8/10/2022									
8/11/2022									
2/8/2023			<0.1	<0.1				<0.1	
2/9/2023									
2/10/2023									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-24R	GWC-18	GWC-22R	GWC-18R	GWC-19R	GWC-25R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	0.06259 (JD)	0.1143 (J)	0.0392 (J)						
3/4/2016				<0.1					
3/7/2016					0.00623 (J)	0.00526 (J)	0.00232 (J)	<0.1	
3/8/2016									0.00246 (J)
3/9/2016									
5/2/2016									
5/3/2016			0.058 (J)						
5/4/2016									0.027 (J)
5/5/2016				0.039 (J)	0.045 (J)	0.049 (J)	0.025 (J)		
5/6/2016									
5/9/2016		0.0383 (J)						0.0246 (J)	
5/10/2016	0.0767 (J)								
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016		<0.1	<0.1						
7/12/2016				<0.1					
7/13/2016	<0.1				<0.1		<0.1		
7/14/2016						<0.1		<0.1	
7/15/2016									
7/18/2016									<0.1
9/7/2016									
9/8/2016									
9/9/2016		0.1 (J)	0.02 (J)						
9/12/2016						0.06 (J)	0.02 (J)	0.03 (J)	
9/13/2016				0.04 (J)	0.07 (J)				0.03 (J)
9/14/2016									
9/15/2016	<0.1								
10/25/2016									
10/26/2016		0.2 (J)							
10/27/2016			0.12 (J)	0.11 (J)		0.12 (J)			0.1 (J)
10/31/2016					0.05 (J)			0.05 (J)	
11/1/2016							0.05 (J)		
11/2/2016	0.08 (J)								
1/5/2017									
1/6/2017									
1/9/2017		0.26 (J)	0.06 (J)						
1/11/2017	0.19 (J)						<0.1	<0.1	
1/12/2017					0.06 (J)				
1/13/2017				<0.1		0.04 (J)			<0.1
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017		0.19 (J)							
3/16/2017			0.08 (J)						<0.1
3/20/2017	0.18 (J)			<0.1		0.06 (J)	<0.1		
3/21/2017								<0.1	
3/22/2017									
3/23/2017					0.03 (J)				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-24R	GWC-18	GWC-22R	GWC-18R	GWC-19R	GWC-25R
5/16/2017									
5/17/2017									
5/18/2017		0.19 (J)	0.04 (J)						
5/19/2017				0.01 (J)					<0.1
5/22/2017							<0.1	<0.1	
5/23/2017	0.1 (J)				0.02 (J)	0.02 (J)			
5/24/2017									
7/19/2017									
9/15/2017		0.24 (J)							
9/18/2017			<0.1						
9/19/2017				<0.1		<0.1			<0.1
9/20/2017								<0.1	
9/21/2017	<0.1						<0.1		
9/22/2017									
9/25/2017					0.1 (J)				
3/12/2018			<0.1						
3/13/2018		0.4		0.091 (J)		0.046 (J)			<0.1
3/14/2018	0.17 (J)				0.12 (J)		0.12 (J)	0.045 (J)	
9/6/2018									
9/7/2018	<0.1	0.14 (J)	<0.1			<0.1	<0.1		
9/10/2018								<0.1	
9/11/2018				<0.1	<0.1				<0.1
3/6/2019									
3/7/2019		0.089 (J)	<0.1						
3/8/2019				<0.1					<0.1
3/11/2019	0.23 (J)					<0.1			
3/12/2019					0.05 (J)		0.042 (J)	0.04 (J)	
6/18/2019									
9/4/2019		0.11 (J)							
9/5/2019			<0.1	<0.1		<0.1			<0.1
9/6/2019							<0.1		
9/9/2019	<0.1				<0.1			<0.1	
9/10/2019									
3/2/2020									
3/3/2020				<0.1		<0.1			<0.1
3/4/2020	0.29 (J)	0.086 (J)	<0.1					<0.1	
3/5/2020							<0.1		
3/6/2020					<0.1				
9/3/2020									
9/4/2020		0.086 (J)	<0.1						<0.1
9/8/2020						<0.1			
9/9/2020	0.17 (J)			<0.1	<0.1		<0.1	<0.1	
9/14/2020									
2/24/2021									
2/25/2021		0.097 (J)	<0.1						
2/26/2021					<0.1		<0.1	<0.1	
3/9/2021	0.25			<0.1		<0.1			<0.1
3/10/2021									
3/26/2021									
7/27/2021									
7/28/2021		0.091 (J)	<0.1						
7/29/2021				<0.1	<0.1		<0.1		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-24R	GWC-18	GWC-22R	GWC-18R	GWC-19R	GWC-25R
7/30/2021	0.16								
8/2/2021						<0.1			<0.1
8/5/2021								<0.1	
8/6/2021									
1/25/2022									
1/26/2022		0.076 (J)							
1/27/2022			<0.1			<0.1	<0.1	<0.1	<0.1
1/28/2022	0.17			<0.1	<0.1				
8/5/2022		0.094 (J)							
8/8/2022			0.07 (J)						
8/9/2022				0.072 (J)				0.067 (J)	0.068 (J)
8/10/2022					0.06 (J)	0.055 (J)	<0.1		
8/11/2022	0.12								
2/8/2023									
2/9/2023				0.053 (J)	0.072 (J)	0.052 (J)	<0.1	<0.1	<0.1
2/10/2023	0.22								

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-20R	GWC-23R	GWA-51RZ (bg)	GWC-17R	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016						
3/4/2016					2.1421 (O)	
3/7/2016						
3/8/2016	0.00287 (J)	0.00425 (J)				
3/9/2016			<0.1			
5/2/2016						
5/3/2016						
5/4/2016				0.057 (JD)		
5/5/2016						
5/6/2016			0.056 (J)			
5/9/2016	0.0222 (J)	0.0259 (J)				
5/10/2016					0.0258 (J)	
7/6/2016						
7/7/2016				0.09 (JD)		
7/8/2016						
7/11/2016						
7/12/2016						
7/13/2016						
7/14/2016		<0.1			<0.1	
7/15/2016	<0.1		<0.1			
7/18/2016						
9/7/2016						
9/8/2016				0.03 (JD)		
9/9/2016	0.03 (J)					
9/12/2016		0.03 (J)				
9/13/2016						
9/14/2016			0.02 (J)		<0.1	
9/15/2016						
10/25/2016						
10/26/2016				0.15 (JD)		
10/27/2016	0.1 (J)					
10/31/2016		0.11 (J)				
11/1/2016			0.07 (J)		0.06 (J)	
11/2/2016						
1/5/2017						
1/6/2017				0.11 (JD)		
1/9/2017						
1/11/2017					0.33	
1/12/2017	0.11 (J)	0.02 (J)				
1/13/2017						
1/25/2017			0.01 (J)			
2/9/2017						
3/14/2017						
3/15/2017				0.004 (JD)		
3/16/2017						
3/20/2017						
3/21/2017	<0.1				0.03 (J)	
3/22/2017		0.1 (J)	0.02 (J)			
3/23/2017						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-20R	GWC-23R	GWA-51RZ (bg)	GWC-17R	GWA-36A (bg)
5/16/2017						
5/17/2017						
5/18/2017				0.007 (JD)		
5/19/2017						
5/22/2017		0.02 (J)				
5/23/2017	<0.1				0.004 (J)	
5/24/2017			<0.1			
7/19/2017				0.12 (JD)		
9/15/2017						
9/18/2017						
9/19/2017	<0.1	<0.1		0.07 (JD)		
9/20/2017						
9/21/2017			0.17 (J)			
9/22/2017					0.04 (J)	
9/25/2017						
3/12/2018						
3/13/2018				0.16 (J)		
3/14/2018	<0.1	0.035 (J)	0.18 (J)		<0.1	
9/6/2018						
9/7/2018				<0.1		
9/10/2018	<0.1	<0.1				
9/11/2018			<0.1		<0.1	
3/6/2019						
3/7/2019						
3/8/2019				0.075 (J)		
3/11/2019	0.51 (o)					
3/12/2019		0.048 (J)	0.06 (J)		0.056 (J)	
6/18/2019	<0.1					
9/4/2019				<0.1		
9/5/2019						
9/6/2019	<0.1	<0.1	<0.1			
9/9/2019						
9/10/2019					<0.1	
3/2/2020						
3/3/2020	<0.1			<0.1		
3/4/2020						
3/5/2020		<0.1	<0.1		<0.1	
3/6/2020						
9/3/2020						
9/4/2020		<0.1				
9/8/2020	<0.1					
9/9/2020			<0.1	<0.1	<0.1	
9/14/2020						
2/24/2021						
2/25/2021				<0.1		
2/26/2021						
3/9/2021	<0.1	<0.1				
3/10/2021			<0.1		<0.1	
3/26/2021						
7/27/2021						
7/28/2021				<0.1		
7/29/2021						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-20R	GWC-23R	GWA-51RZ (bg)	GWC-17R	GWA-36A (bg)
7/30/2021			<0.1		<0.1	
8/2/2021	<0.1	<0.1				
8/5/2021						
8/6/2021						
1/25/2022						
1/26/2022				<0.1		
1/27/2022		<0.1				
1/28/2022	<0.1		<0.1		<0.1	
8/5/2022						
8/8/2022						0.063 (J)
8/9/2022		0.072 (J)		0.072 (J)		
8/10/2022	0.057 (J)					
8/11/2022			0.073 (J)		0.051 (J)	
2/8/2023						<0.1
2/9/2023	0.064 (J)					
2/10/2023		0.054 (J)	0.078 (J)		0.057 (J)	

FIGURE H.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/24/2023, 1:56 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-37 (bg)	-0.0347	-156	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	3.247	122	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.692	96	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.0552	-93	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1087	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.831	127	74	Yes	19	5.263	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	11.56	108	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	26.61	139	92	Yes	22	0	n/a	n/a	0.01	NP

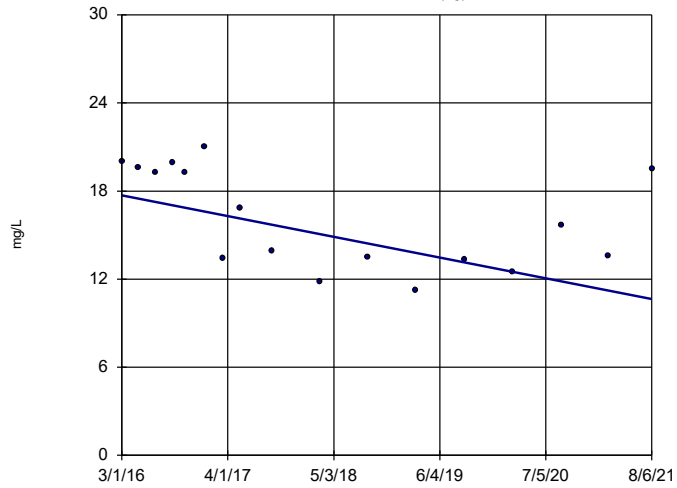
Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/24/2023, 1:56 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-36 (bg)	-1.299	-55	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-36RA (bg)	1.227	57	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-37 (bg)	-0.0347	-156	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-38 (bg)	-0.05892	-24	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-52 (bg)	0.3552	48	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53 (bg)	0.2237	38	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53R (bg)	0.4349	61	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-54 (bg)	-0.2535	-50	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-56 (bg)	0.6697	25	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	3.247	122	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-17R	0.6242	49	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-21R	1.452	81	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.692	96	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.0552	-93	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1087	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-38 (bg)	-0.07368	-66	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-51RZ (bg)	-0.01096	-9	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-52 (bg)	-0.02658	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53 (bg)	-0.02035	-69	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53R (bg)	-0.02694	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55 (bg)	-0.05556	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55R (bg)	-0.07241	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-56 (bg)	-0.03349	-38	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-18R	-0.01884	-58	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-19R	-0.002892	-18	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-20R	0.01457	25	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36RA (bg)	1.049	78	81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	0.01014	27	81	No	20	35	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.1645	-74	-81	No	20	5	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-52 (bg)	0.4686	24	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55 (bg)	2.654	49	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55R (bg)	0.646	62	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-56 (bg)	-5.801	-45	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.831	127	74	Yes	19	5.263	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	11.56	108	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36 (bg)	-5.809	-41	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36RA (bg)	7.978	57	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-37 (bg)	0	-4	-68	No	18	33.33	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-38 (bg)	-1.591	-64	-81	No	20	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-51RZ (bg)	0.9489	9	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-52 (bg)	1.996	24	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53 (bg)	3.456	36	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53R (bg)	0.8352	15	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-54 (bg)	-1.665	-24	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-56 (bg)	-2.005	-7	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-16R	7.776	75	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-18	4.699	39	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-22R	2.066	40	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	26.61	139	92	Yes	22	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

GWA-36 (bg)

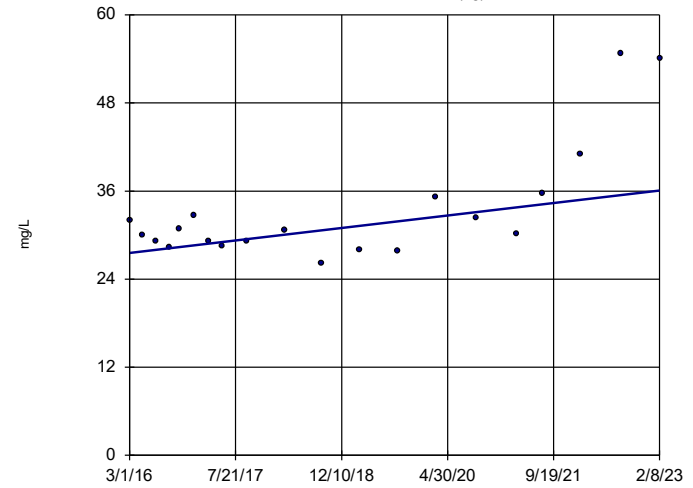


n = 17
 Slope = -1.299
 units per year.
 Mann-Kendall
 statistic = -55
 critical = -63
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36RA (bg)

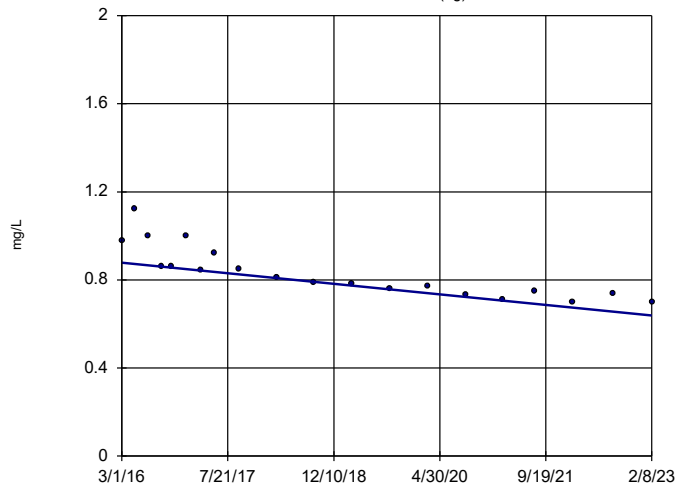


n = 20
 Slope = 1.227
 units per year.
 Mann-Kendall
 statistic = 57
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-37 (bg)

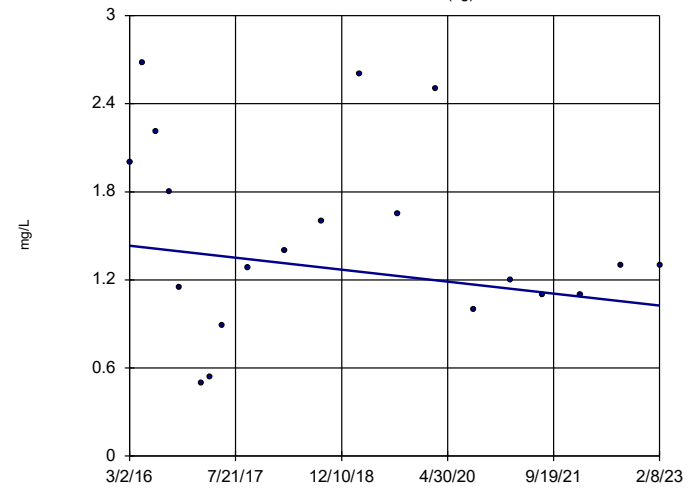


n = 20
 Slope = -0.0347
 units per year.
 Mann-Kendall
 statistic = -156
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-38 (bg)

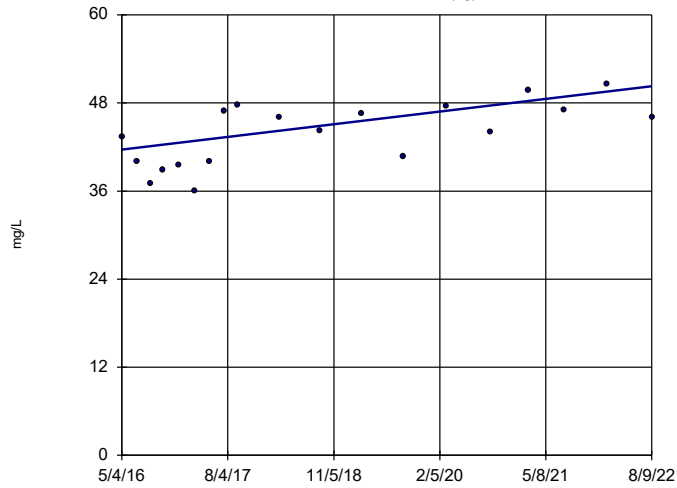


n = 20
 Slope = -0.05892
 units per year.
 Mann-Kendall
 statistic = -24
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

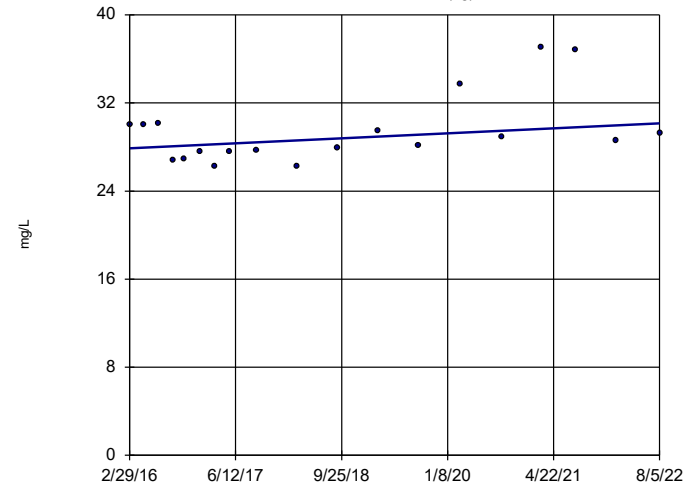


n = 19
 Slope = 1.383
 units per year.
 Mann-Kendall
 statistic = 83
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-52 (bg)

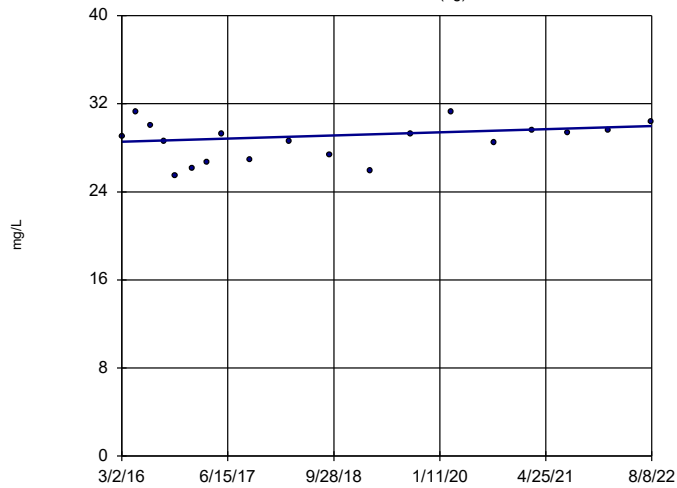


n = 19
 Slope = 0.3552
 units per year.
 Mann-Kendall
 statistic = 48
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53 (bg)

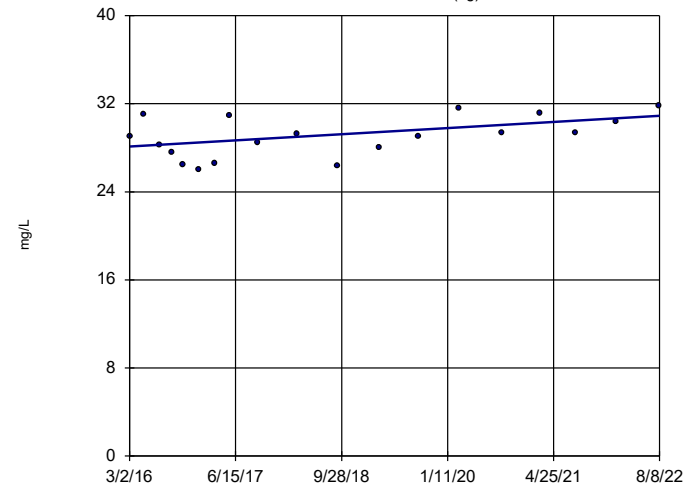


n = 19
 Slope = 0.2237
 units per year.
 Mann-Kendall
 statistic = 38
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53R (bg)

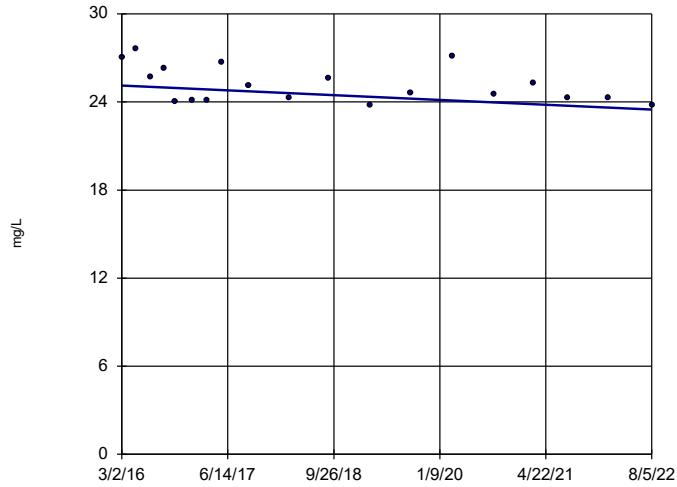


n = 19
 Slope = 0.4349
 units per year.
 Mann-Kendall
 statistic = 61
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-54 (bg)

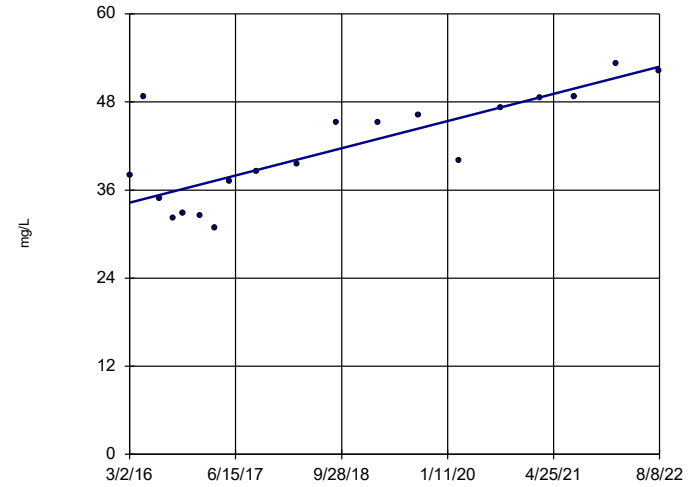


n = 19
 Slope = -0.2535
 units per year.
 Mann-Kendall
 statistic = -50
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55 (bg)

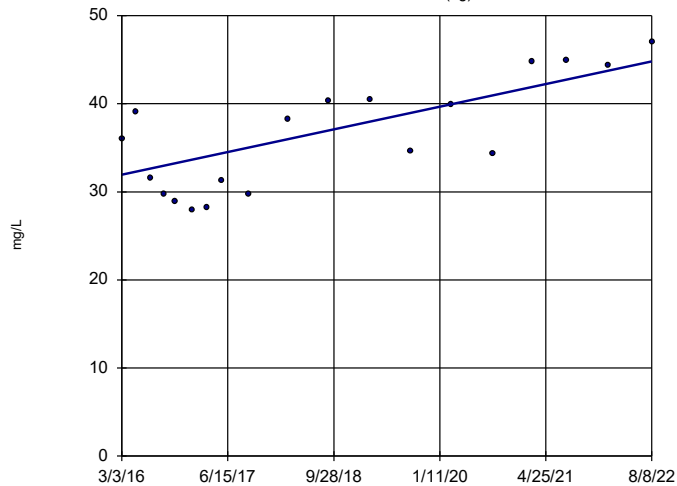


n = 19
 Slope = 2.879
 units per year.
 Mann-Kendall
 statistic = 106
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55R (bg)

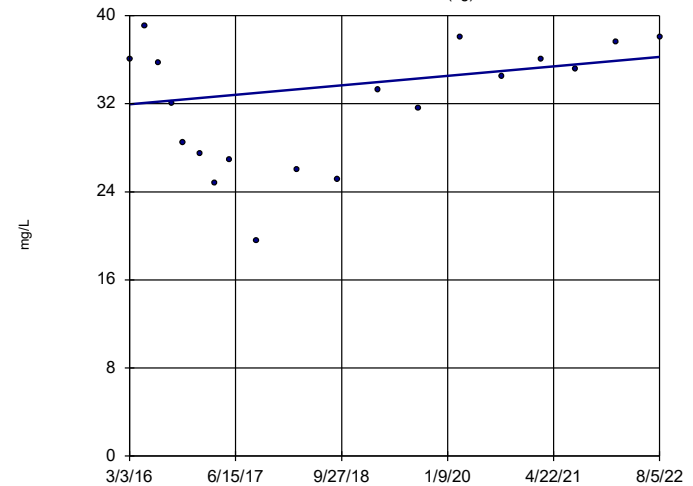


n = 19
 Slope = 1.995
 units per year.
 Mann-Kendall
 statistic = 83
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-56 (bg)

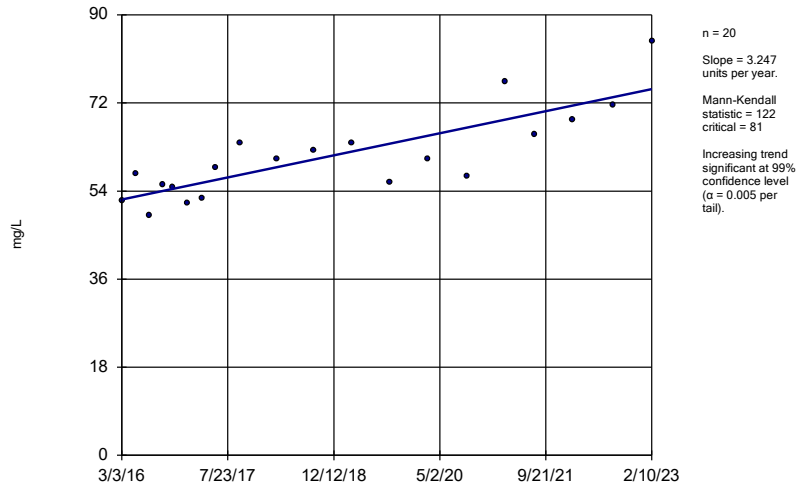


n = 19
 Slope = 0.6697
 units per year.
 Mann-Kendall
 statistic = 25
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

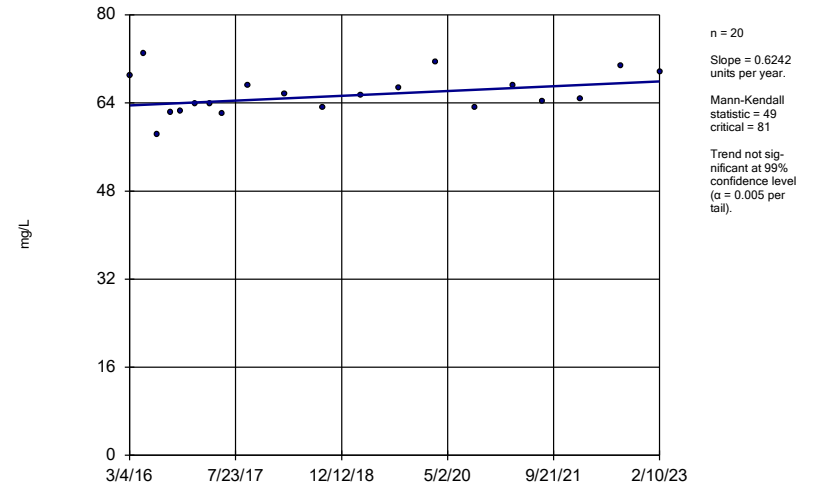
GWC-16R



Constituent: Calcium Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

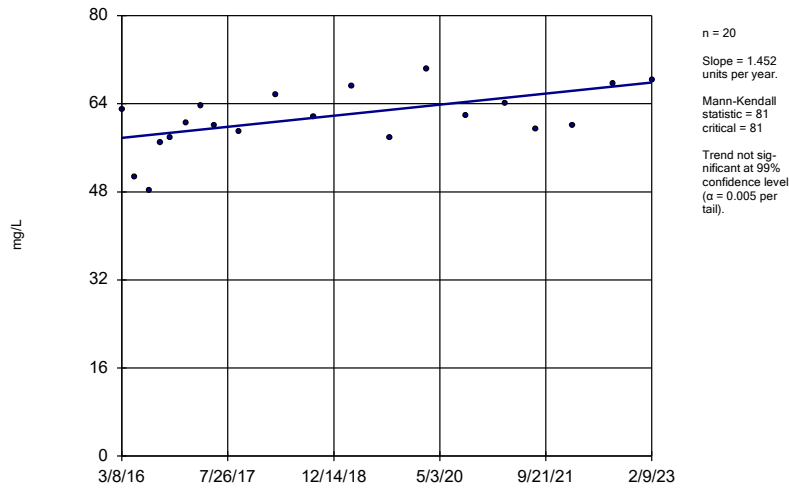
GWC-17R



Constituent: Calcium Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

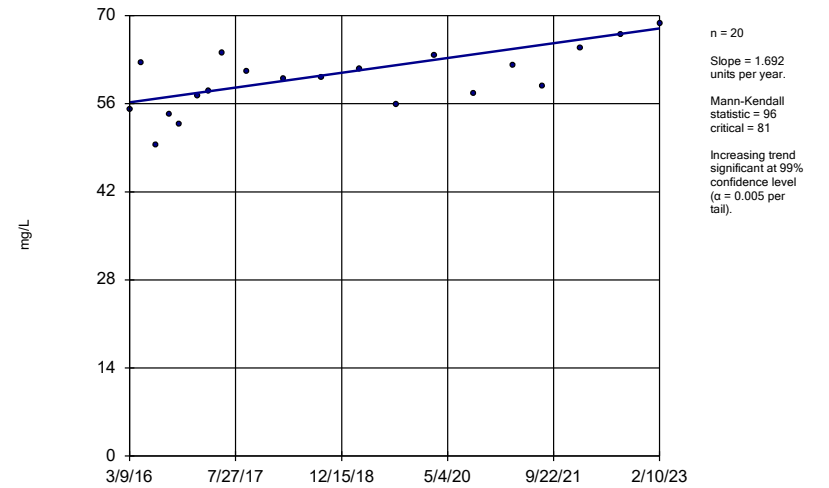
GWC-21R



Constituent: Calcium Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

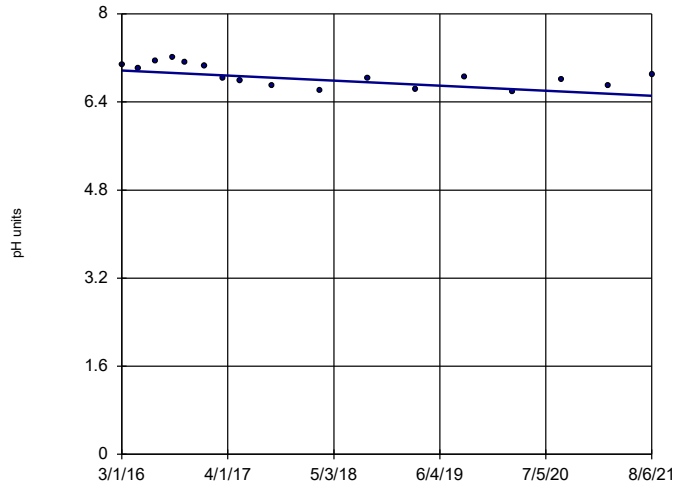
GWC-23R



Constituent: Calcium Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

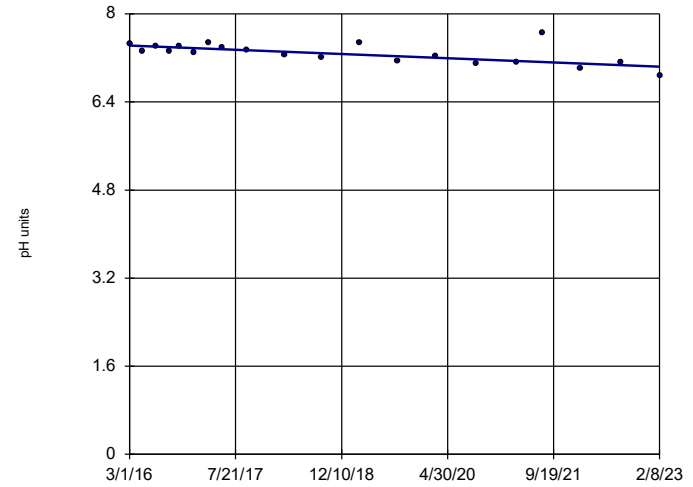
GWA-36 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

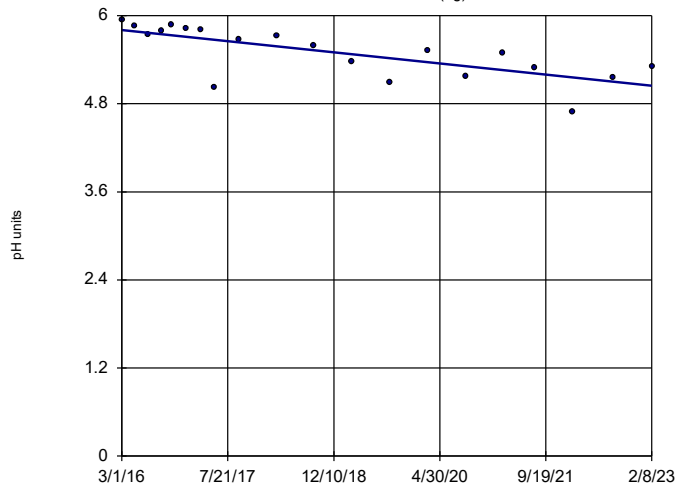
GWA-36RA (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

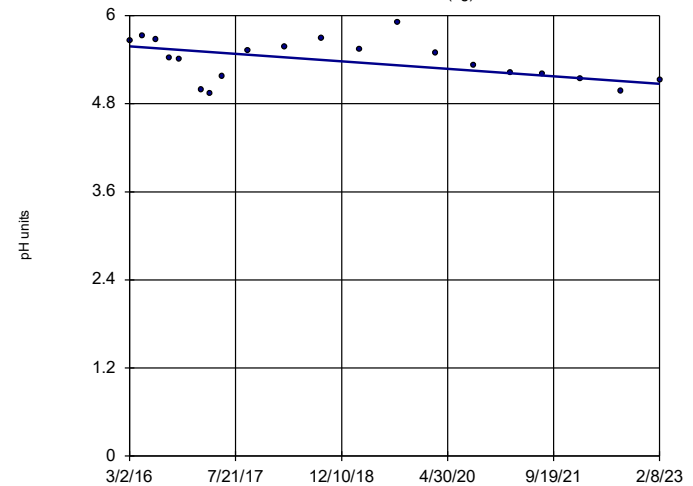
GWA-37 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

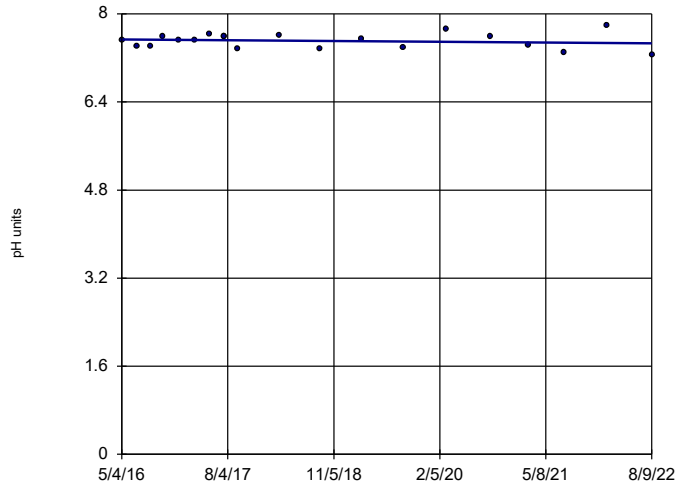
GWA-38 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

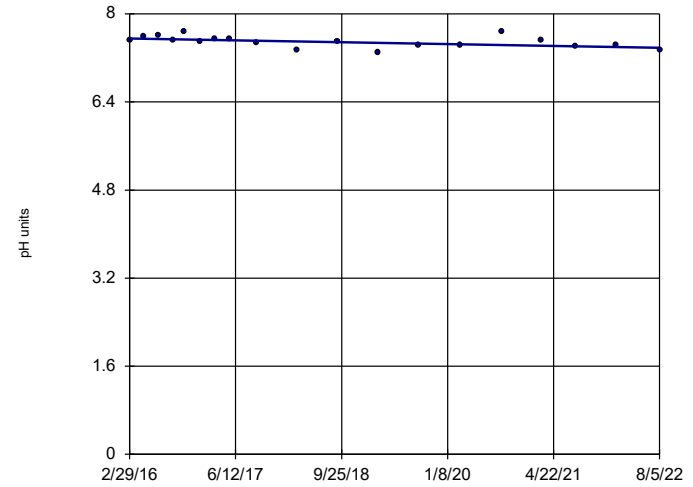


n = 20
 Slope = -0.01096
 units per year.
 Mann-Kendall
 statistic = -9
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-52 (bg)

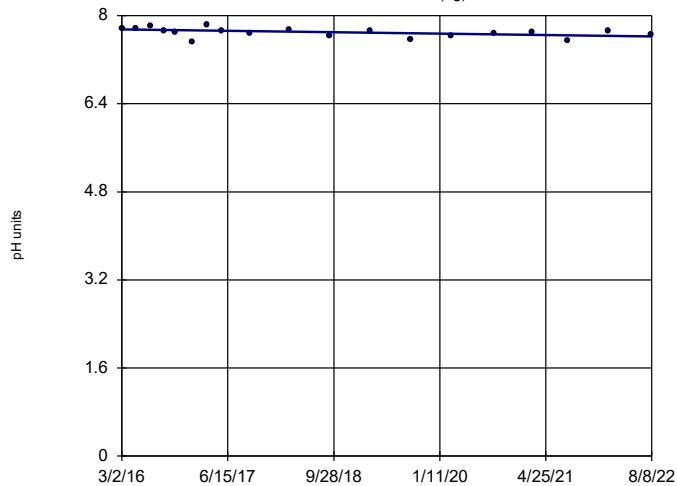


n = 19
 Slope = -0.02658
 units per year.
 Mann-Kendall
 statistic = -65
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53 (bg)

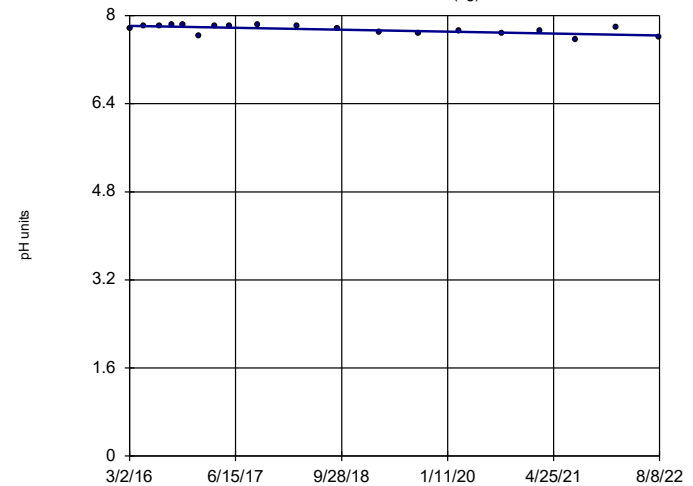


n = 19
 Slope = -0.02035
 units per year.
 Mann-Kendall
 statistic = -69
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53R (bg)

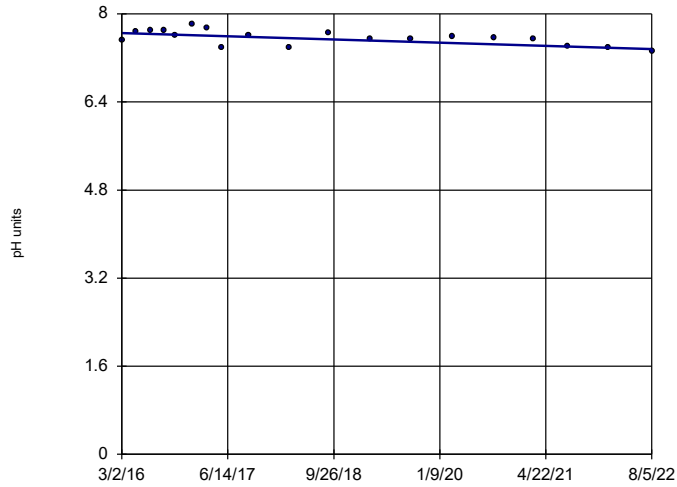


n = 19
 Slope = -0.02694
 units per year.
 Mann-Kendall
 statistic = -72
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

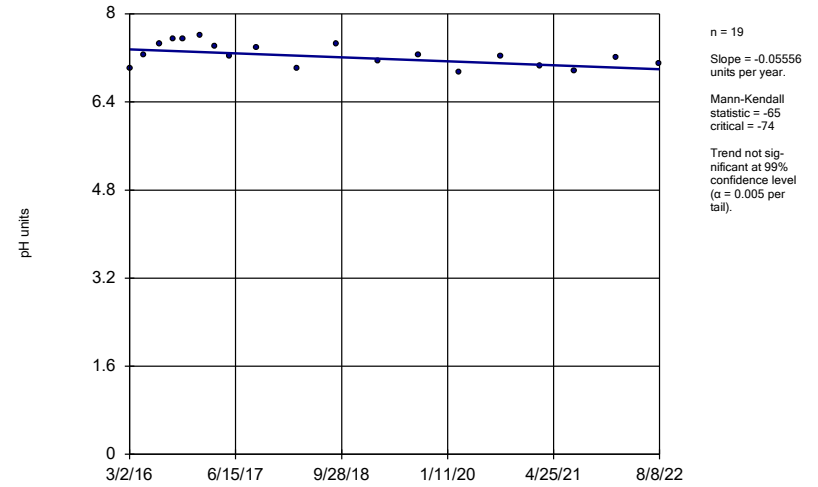
GWA-54 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

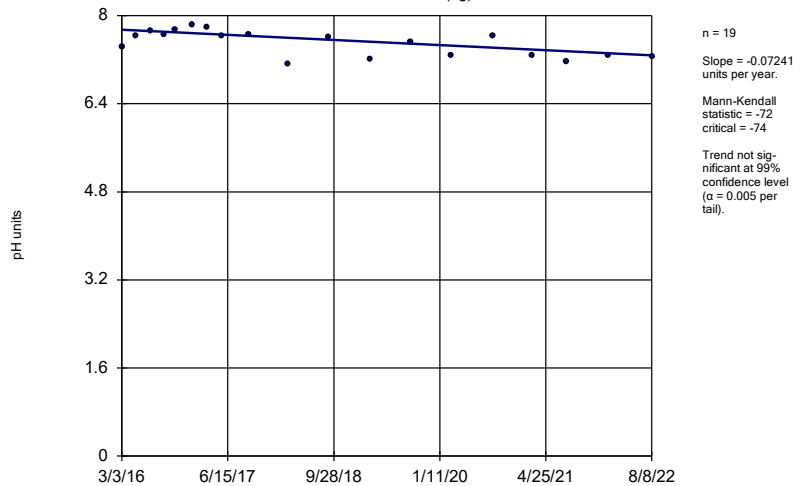
GWA-55 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

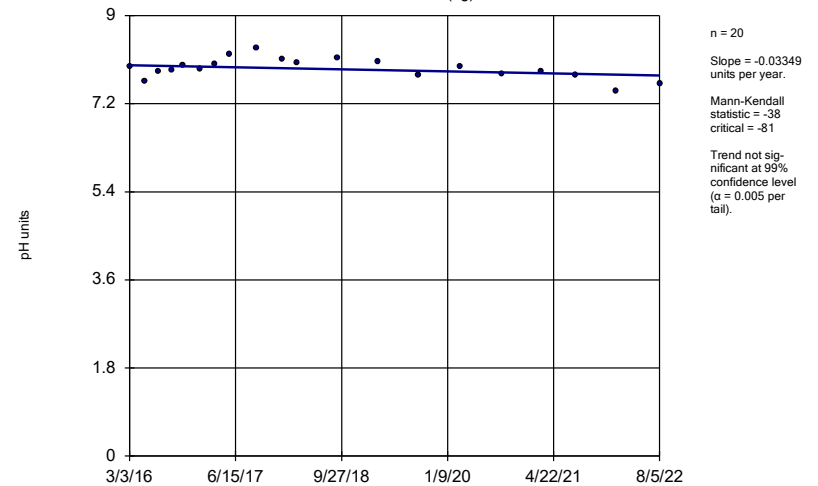
GWA-55R (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

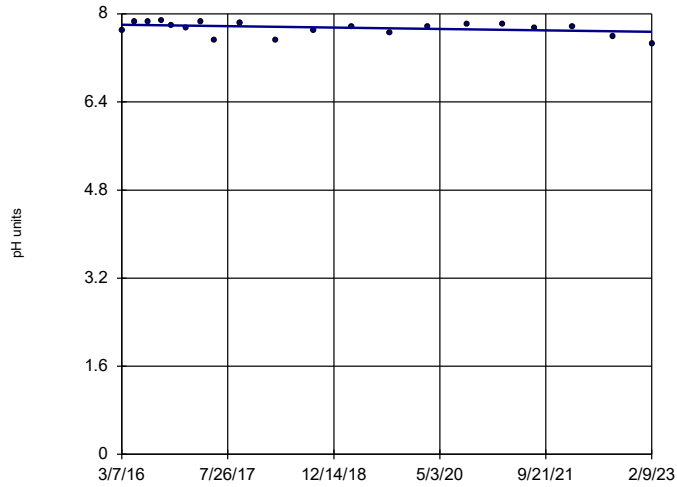
GWA-56 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-18R

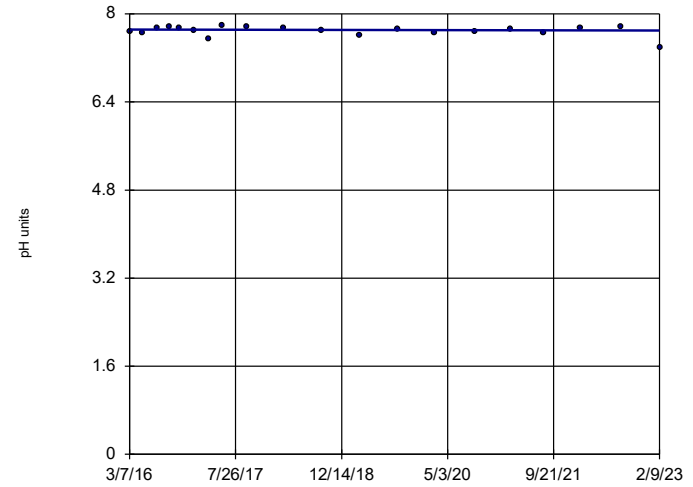


n = 20
 Slope = -0.01884
 units per year.
 Mann-Kendall
 statistic = -58
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-19R

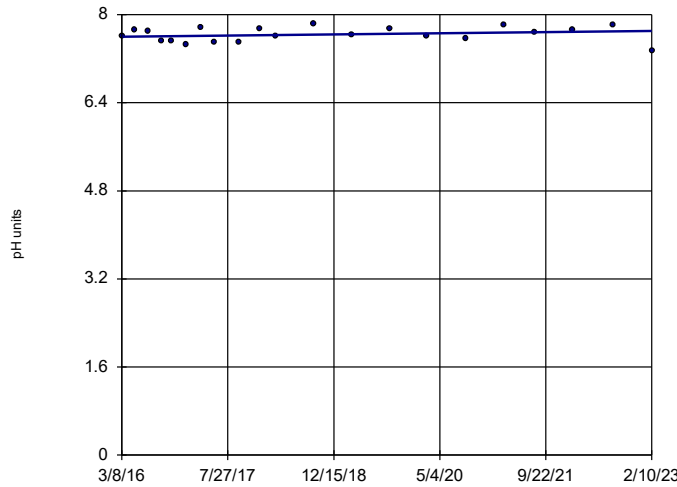


n = 20
 Slope = -0.002892
 units per year.
 Mann-Kendall
 statistic = -18
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-20R

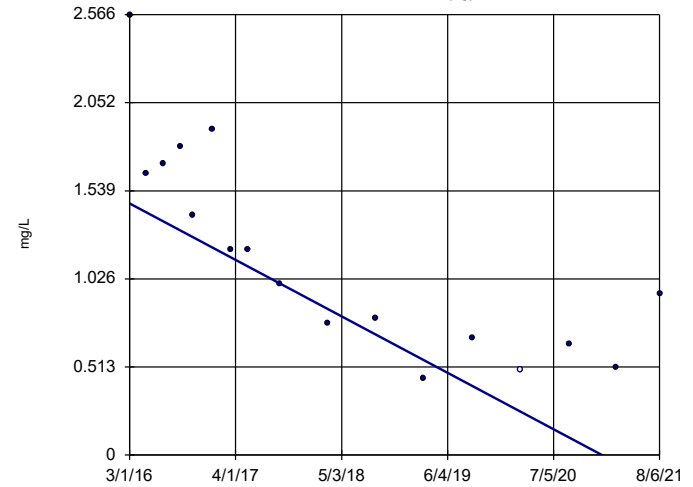


n = 21
 Slope = 0.01457
 units per year.
 Mann-Kendall
 statistic = 25
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36 (bg)

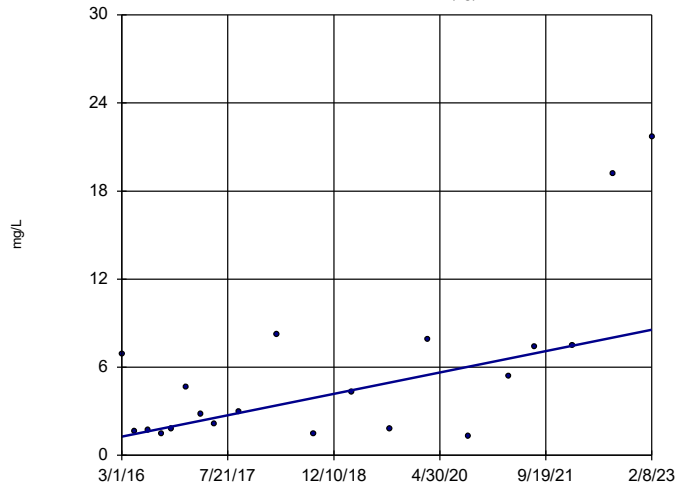


n = 17
 Slope = -0.3026
 units per year.
 Mann-Kendall
 statistic = -93
 critical = -63
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36RA (bg)

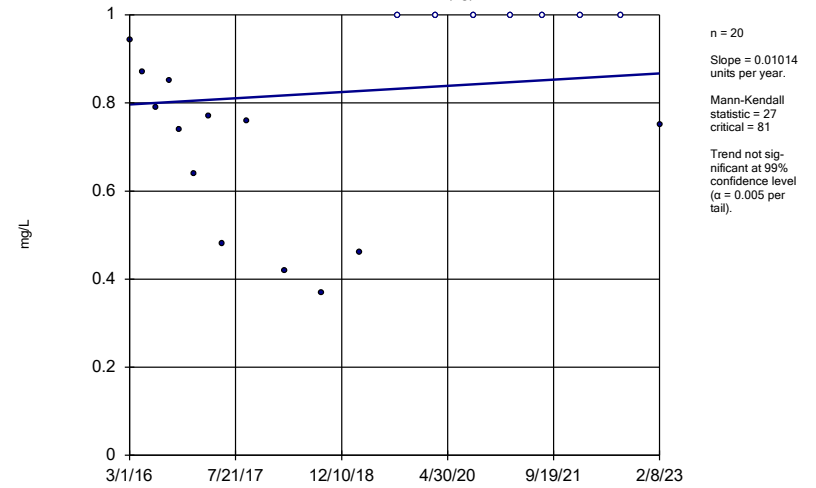


Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

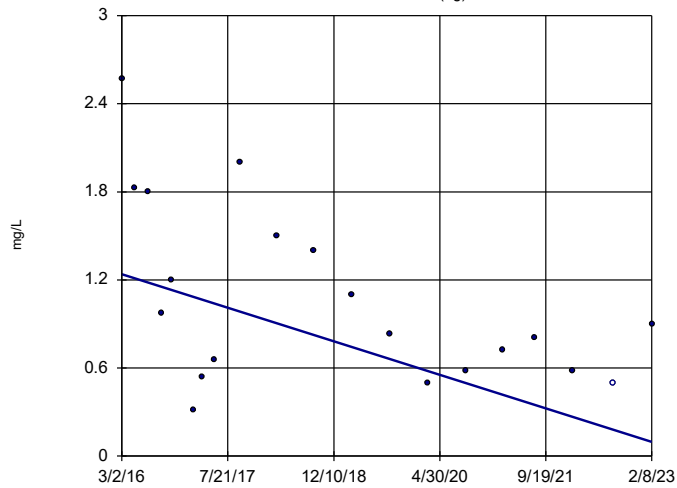
GWA-37 (bg)



Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

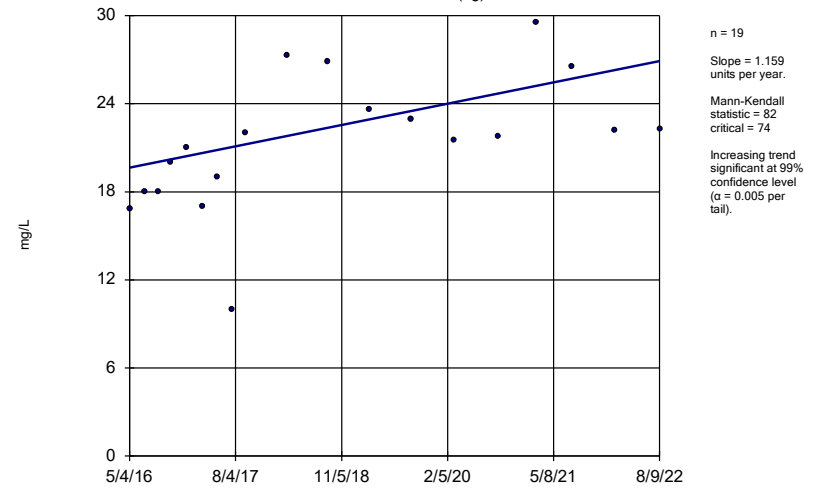
GWA-38 (bg)



Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

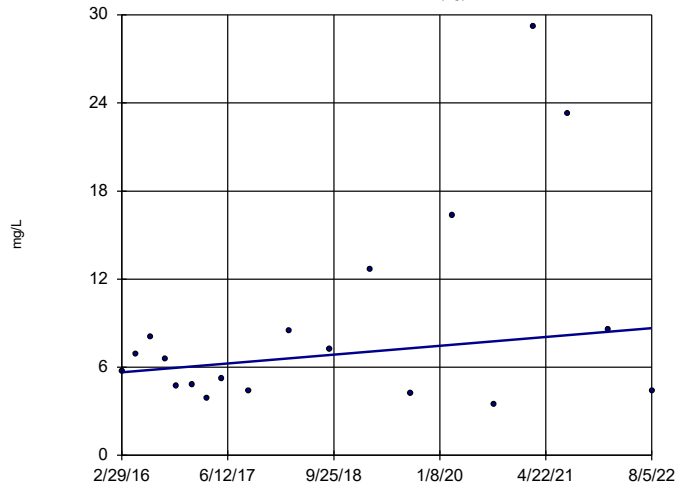
GWA-51RZ (bg)



Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

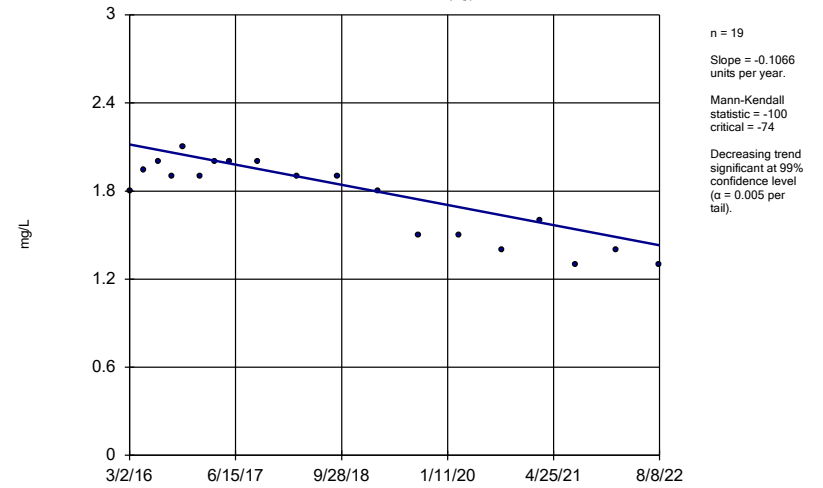
GWA-52 (bg)



Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

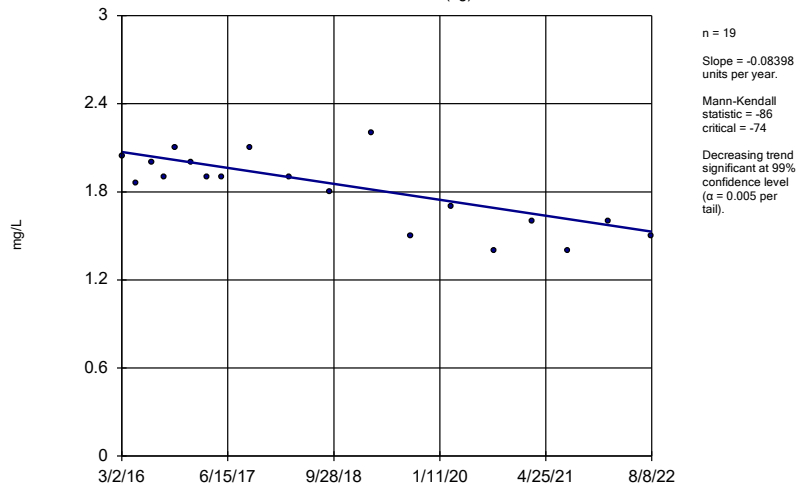
GWA-53 (bg)



Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

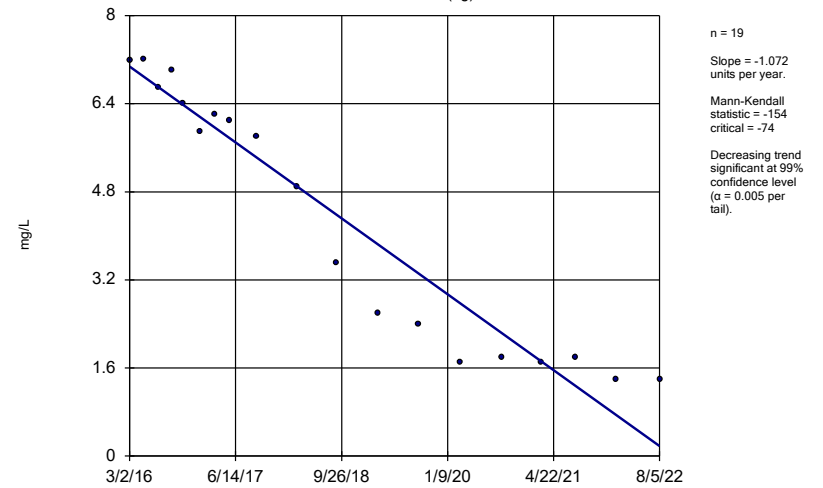
GWA-53R (bg)



Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

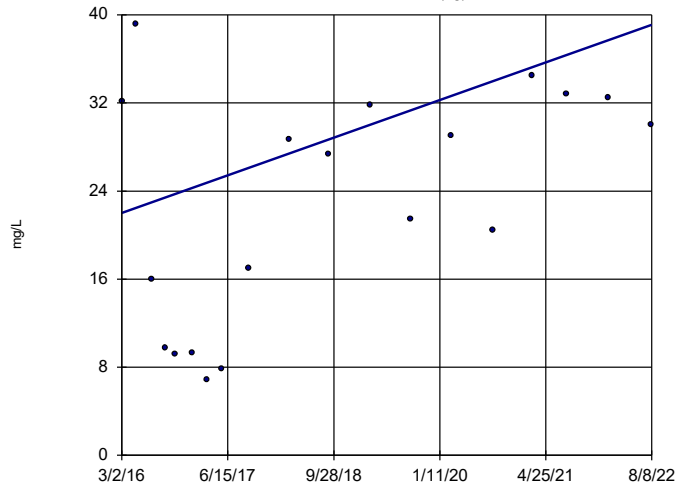
GWA-54 (bg)



Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55 (bg)

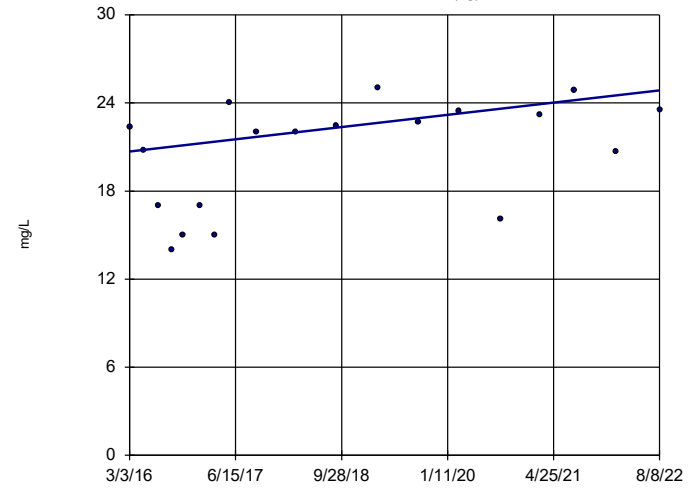


n = 19
 Slope = 2.654 units per year.
 Mann-Kendall statistic = 49
 critical = 74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55R (bg)

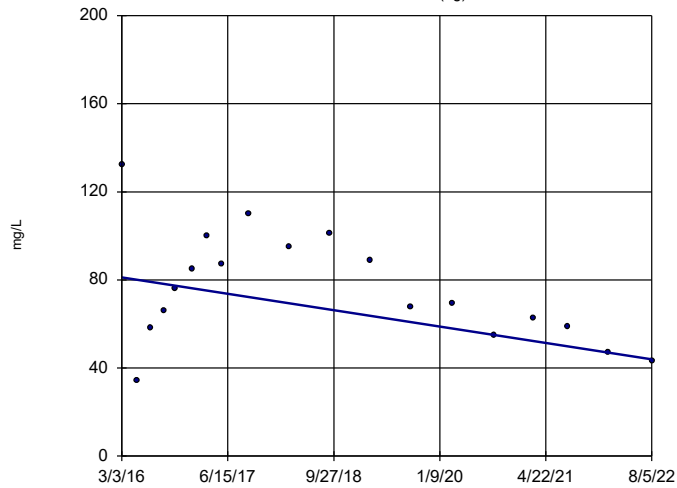


n = 19
 Slope = 0.646 units per year.
 Mann-Kendall statistic = 62
 critical = 74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-56 (bg)

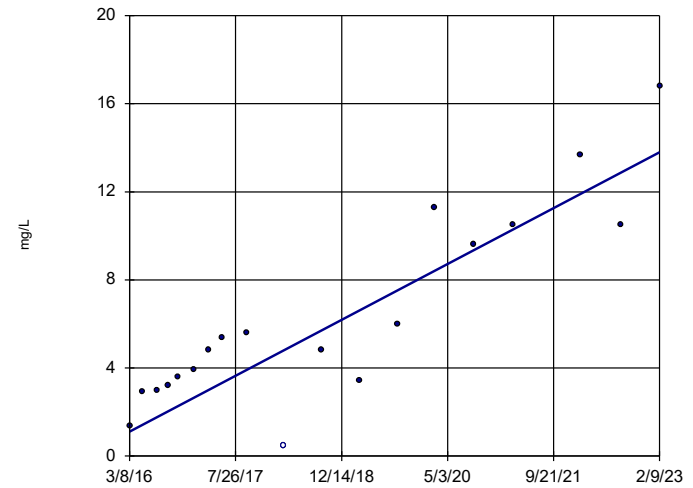


n = 19
 Slope = -5.801 units per year.
 Mann-Kendall statistic = -45
 critical = -74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-21R

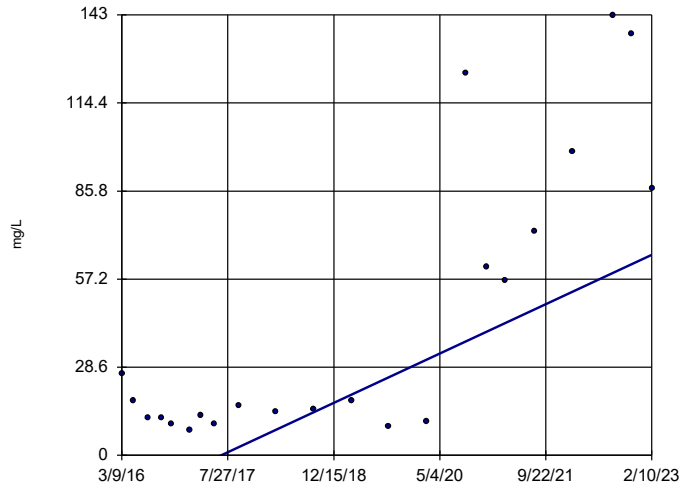


n = 19
 Slope = 1.831 units per year.
 Mann-Kendall statistic = 127
 critical = 74
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

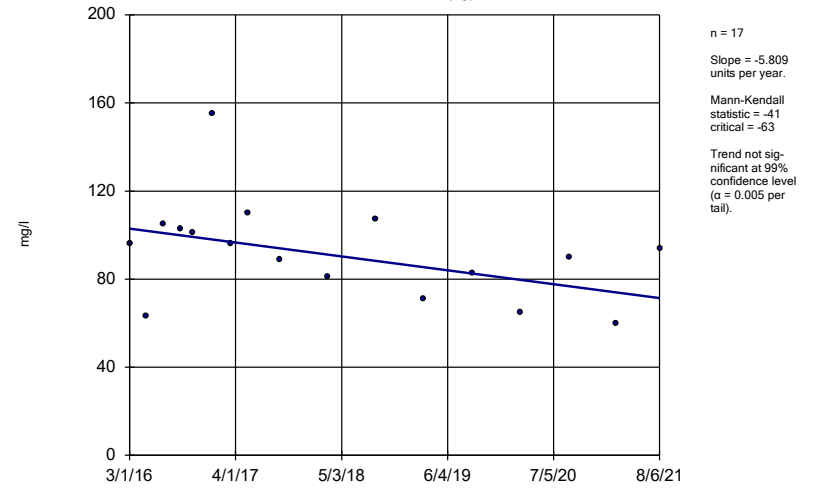
GWC-23R



Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

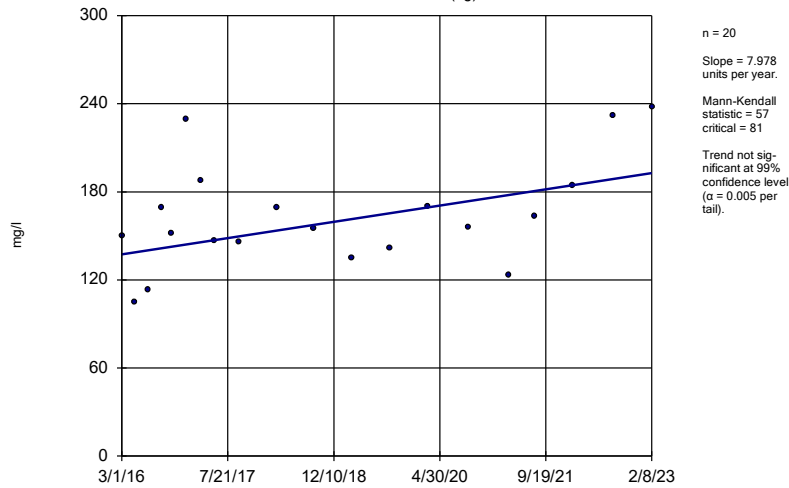
GWA-36 (bg)



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

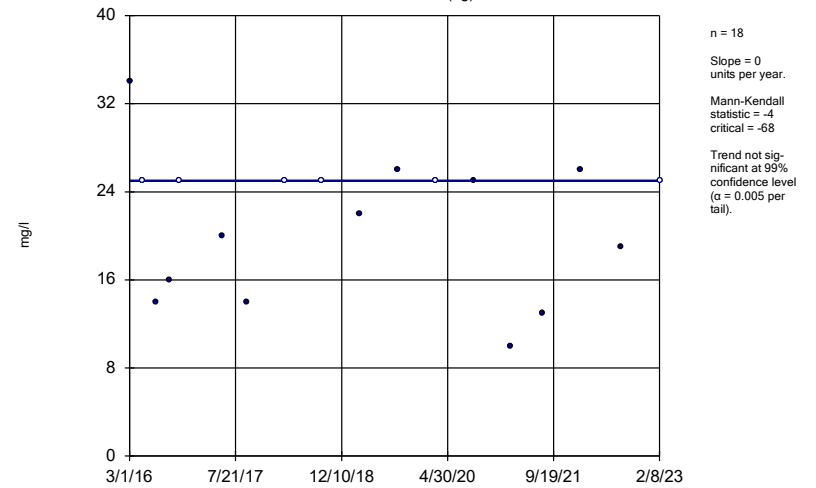
GWA-36RA (bg)



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

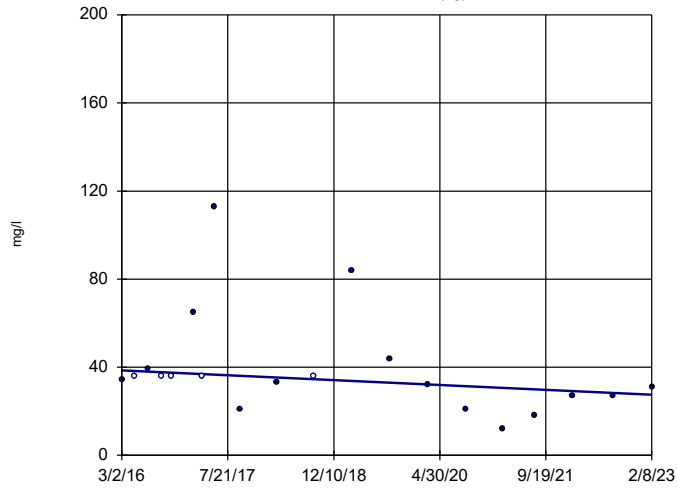
GWA-37 (bg)



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-38 (bg)

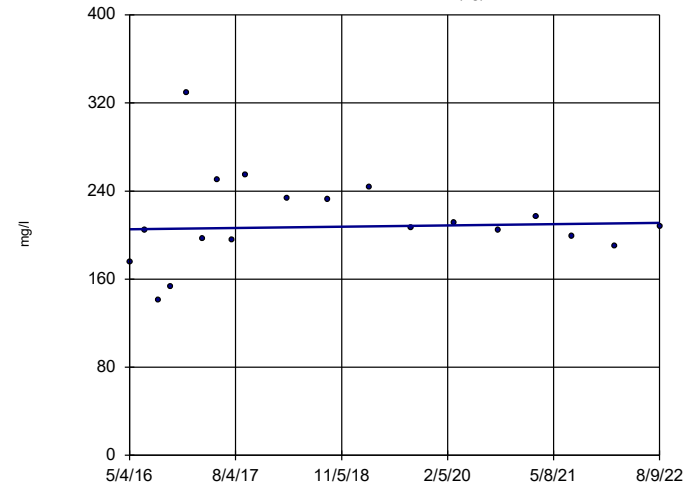


n = 20
 Slope = -1.591
 units per year.
 Mann-Kendall
 statistic = -64
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

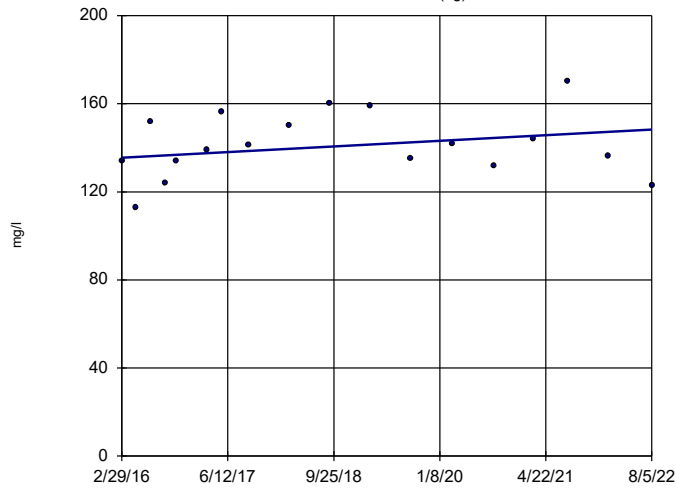


n = 19
 Slope = 0.9489
 units per year.
 Mann-Kendall
 statistic = 9
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-52 (bg)

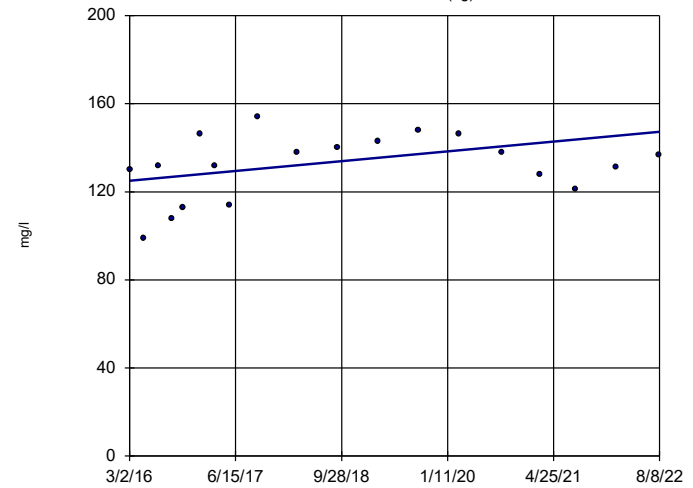


n = 18
 Slope = 1.996
 units per year.
 Mann-Kendall
 statistic = 24
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53 (bg)

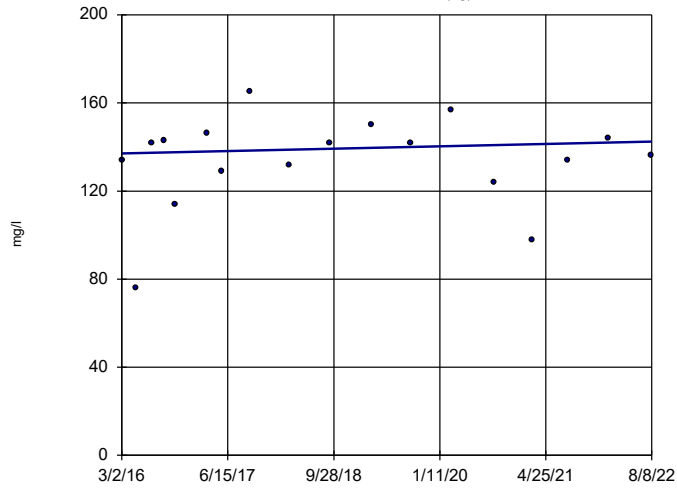


n = 19
 Slope = 3.456
 units per year.
 Mann-Kendall
 statistic = 36
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

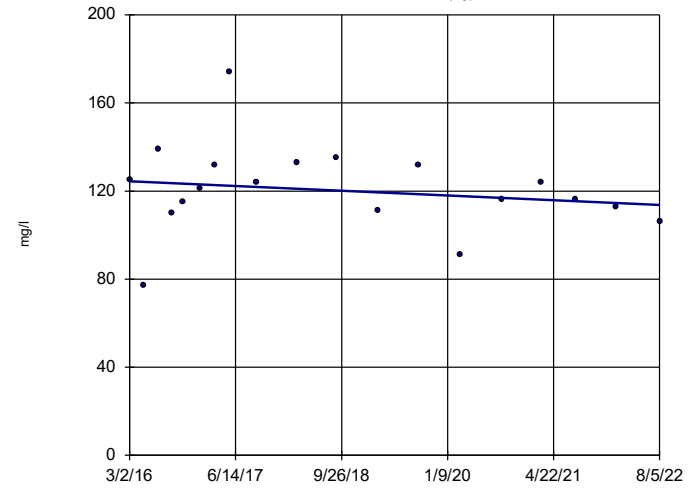
GWA-53R (bg)



n = 18
 Slope = 0.8352
 units per year.
 Mann-Kendall
 statistic = 15
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Sen's Slope Estimator

GWA-54 (bg)



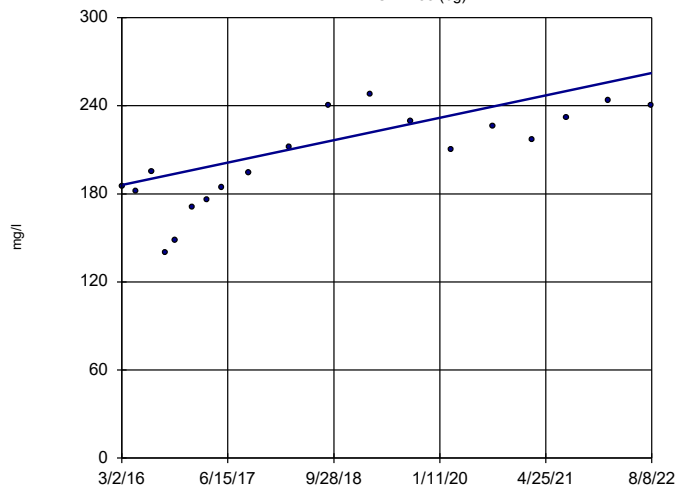
n = 19
 Slope = -1.665
 units per year.
 Mann-Kendall
 statistic = -24
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

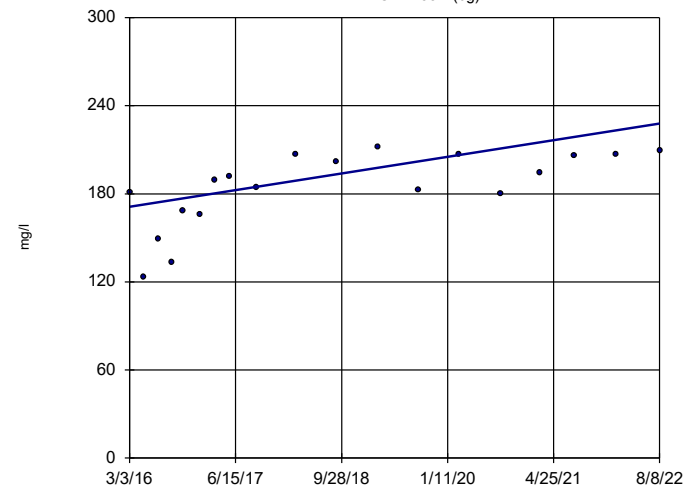
GWA-55 (bg)



n = 19
 Slope = 11.85
 units per year.
 Mann-Kendall
 statistic = 102
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Sen's Slope Estimator

GWA-55R (bg)



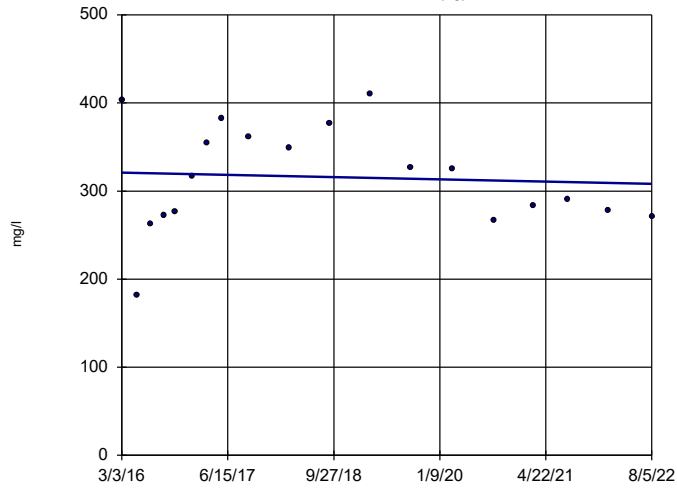
n = 19
 Slope = 8.787
 units per year.
 Mann-Kendall
 statistic = 98
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

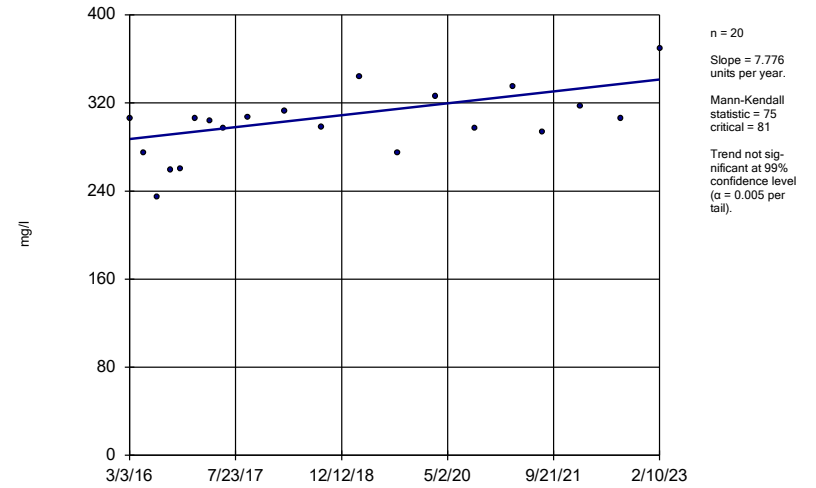
GWA-56 (bg)



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

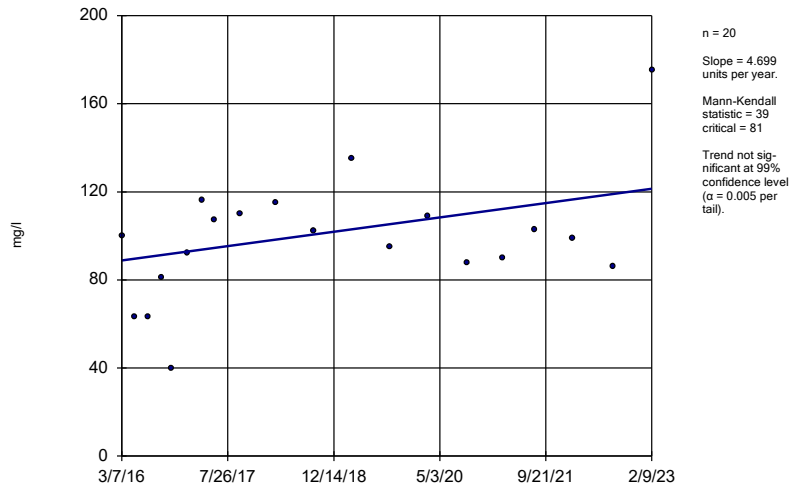
GWC-16R



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

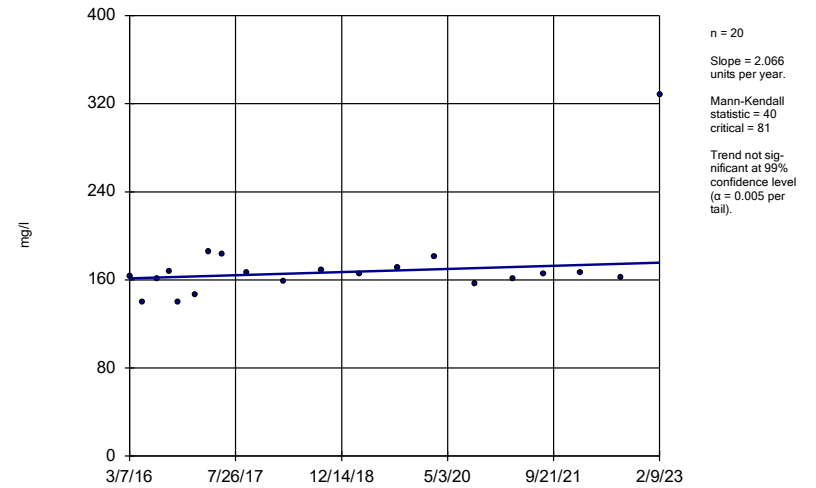
GWC-18



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

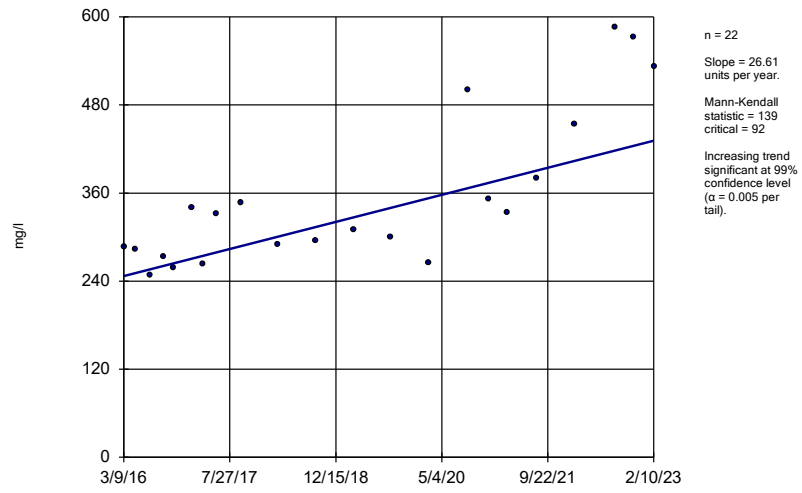
GWC-22R



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-23R



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

APPENDIX F ALTERNATE SOURCE DEMONSTRATIONS





**ALTERNATE SOURCE DEMONSTRATION
FOR BERYLLIUM, CHLORIDE, AND
MERCURY, JANUARY- FEBRUARY 2022
SEMI-ANNUAL EVENT**

Plant Bowen

Cells 1 & 2

Cells 3 & 4

Cells 9 & 10

Solid Waste Disposal Facility

Permit No. 008-018D (CCR)

November 29, 2022, Revision 1, May 1, 2023

Prepared for:



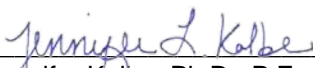
Prepared by:

Stantec Consulting Services Inc.
10745 Westside Way, Suite 250
Alpharetta, Georgia 30009-7640

**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

CERTIFICATION STATEMENT

This Alternate Source Demonstration was completed in accordance with Georgia Environmental Protection Division's Solid Waste Rules (Chapter 391-3-4-.10) by a qualified groundwater scientist with Stantec Consulting Services Inc. References to the appropriate Georgia Solid Waste Management 391-3-4 Rules are incorporated throughout this document.



Jennifer Kolbe, Ph.D., P.E.
Registered Professional Engineer
Professional Engineer No. PE034643



May 1, 2023
Date

PROFESSIONAL GROUNDWATER SCIENTIST CERTIFICATION

I certify that I am a qualified groundwater scientist as demonstrated by Georgia state registered professional geologist certification. I have sufficient training and experience in groundwater hydrology and related fields to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this Alternate Source Demonstration was completed in accordance with Georgia Environmental Protection Division's Solid Waste Rules (Chapter 391-3-4-.10)


Brian Steele, P.G.
Registered Professional Geologist
Georgia Registration No. 002171



May 1, 2023
Date



Table of Contents

ACRONYMS / ABBREVIATIONS	III
1 INTRODUCTION.....	1.1
1.1 Purpose.....	1.1
1.2 Site Description and Background.....	1.1
1.3 CCR Regulatory Framework for Alternate Source Demonstrations	1.2
1.3.1 Establishing Groundwater Baseline Conditions	1.2
1.3.2 Detection Monitoring Program.....	1.2
2 ALTERNATE SOURCE DEMONSTRATION	2.1
3 CONCLUSIONS.....	3.1
4 REFERENCES.....	4.1

LIST OF TABLES

Table 1	Summary of January 2022 Statistical Exceedances Not Previously Addressed in An ASD
Table 2	Reporting Limit Trends for Beryllium and Mercury (in text)

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Groundwater Monitoring System
Figure 3	GWC-5 Piper Diagrams
Figure 4	GWC-5 Stiff Diagrams
Figure 5	GWC-48 Piper Diagrams
Figure 6	GWC-48 Stiff Diagrams

LIST OF APPENDICES

Appendix A	Revised Groundwater Stats Consulting Reports
Appendix B	Laboratory Analytical Reports



Acronyms / Abbreviations

ASD	Alternate Source Demonstration
CCR	Coal Combustion Residual
CCR Rule	Title 40 Code of Federal Regulations 257 Subpart D
CFR	Code of Federal Regulations
GA EPD	Georgia Environmental Protection Division
GSC	Groundwater Stats Consulting, LLC
mg/L	milligrams per liter
RL	Reporting Limit
SSI	Statistically Significant Increase
UPL	Upper Prediction Limit
USEPA	United States Environmental Protection Agency



1 Introduction

1.1 Purpose

This document presents an alternate source demonstration (ASD) for the statistically significant increases (SSI) of mercury and chloride detected in compliance well GWC-48 and beryllium detected in compliance well GWC-5 located at Georgia Power Company's (Georgia Power) Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10. These SSIs were identified based on statistical evaluation of the groundwater quality data set reported in the 2022 Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10, dated August 31, 2022 (2022 Semi-Annual Report; Stantec, 2022). During the 2022 semi-annual reporting period, one groundwater sampling event was conducted in January-February 2022 and the resampling event was conducted in April 2022.

This ASD has been revised to include additional evidence and sampling results supporting the conclusions that the SSIs identified in GWC-48 and GWC-5 during the 2022 semi-annual reporting period are not related to releases from the landfill.

This ASD has been prepared pursuant to Title 40 Code of Federal Regulations (CFR) 257.94(e)(2) as adopted in Rule 391-3-4.10(6) of the Georgia Environmental Protection Division's Solid Waste Rules (Chapter 391-3-4-.10), which states that "the owner or operator may demonstrate that a source other than the unit caused the contamination or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality." This language is consistent with the requirements of the United States Environmental Protection Agency (USEPA) coal combustion residual (CCR) rule (CCR Rule) [Title 40 CFR 257 Subpart D] stipulated in 40 CFR 257.94(e)(2), which has been incorporated by reference into the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management Rule 391-3-4-.10(23)(c) of the Georgia Administrative Code. The Georgia Power Plant Bowen solid waste disposal facility (Site) is operated in accordance with GA EPD Solid Waste Permit No. 008-018D (CCR).

1.2 Site Description and Background

The Site is located in south Bartow County, Georgia, off State Highway 113, approximately seven miles west-southwest of Cartersville and 20 miles southeast of Rome (Figure 1). The Site is approximately 300 acres in size and located on previously undeveloped land contiguous with the plant property. The Site receives coal combustion by-products from coal-burning and flue gas desulfurization processes. The landfill cells were constructed in accordance with Solid Waste Permit No. 008-018D (LI) and approved under CCR permit No. 008-018D (CCR).

Groundwater monitoring is conducted in accordance with the permit requirements specified in the Design and Operation Plan and in accordance with the USEPA CCR Rule, which was adopted by GA EPD in November 2016 and the GA EPD Rules for Solid Waste Management 391-3-4-.10. This includes semi-annual groundwater sampling and continuous groundwater level measurements at the Site. The Site currently remains in detection monitoring.



1.3 CCR Regulatory Framework for Alternate Source Demonstrations

USEPA published the CCR Rule on April 17, 2015. This rule requires groundwater monitoring of active CCR landfills. The CCR Rule establishes multiple phases of groundwater monitoring, including baseline sampling, detection monitoring, and assessment monitoring.

1.3.1 ESTABLISHING GROUNDWATER BASELINE CONDITIONS

To comply with the CCR Rule, a groundwater monitoring system was installed around each regulated CCR unit consisting of a sufficient number of wells installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer to represent the groundwater quality both upgradient of the unit (i.e., background conditions) and flowing downgradient from the waste boundary of the unit. Based on groundwater flow direction, both upgradient and downgradient wells were installed, and the number of wells varied depending on the size of the CCR unit and the complexity of groundwater flow. Initial groundwater sampling began in 2007 in accordance with the Design and Operation (D&O) Plan, prior to disposal activities, to establish the baseline conditions of groundwater in the vicinity of the CCR unit. The locations of the compliance wells included in the groundwater monitoring system are presented on Figure 2. Following the establishment of baseline conditions, the detection monitoring program commenced.

1.3.2 DETECTION MONITORING PROGRAM

Georgia Power currently monitors groundwater associated with the landfill under the detection groundwater monitoring program in accordance with 40 CFR § 257.94 and Solid Waste Management Rule 391-3-4-.14(22). The semi-annual detection monitoring event occurred in January-February 2022. Groundwater samples were collected from monitoring wells in the groundwater monitoring system (Figure 2) and analyzed for:

- Appendix III constituents according to § 257.94(a) which include boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS).
- A state-modified Appendix I list of detection constituents according to GA EPD Rules for Solid Waste Management 391-3-4-.14 and the approved D&O plan. The state-modified analyte list (D&O Appendix I Metals) includes antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc.

The detection monitoring groundwater results are evaluated using a defined statistical method to determine whether there were SSIs above the natural, or background, concentrations for each constituent in downgradient wells, pursuant to 40 CFR § 257.93(f). Depending on the results acquired from the detection monitoring program, there are several different subsequent actions that must be taken:

- If no SSIs are found, then the CCR facility continues with its detection monitoring program during the active life of the CCR unit and the post-closure period (40 CFR 257.9(b)).



Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
1 Introduction

- If SSIs are discovered, then the data is further evaluated through an ASD (40 CFR 257.94(e)(2)) to evaluate whether there is an alternate source, an error in the sampling, analysis, statistical evaluation, or natural variability in groundwater quality.
- If an ASD cannot be made, then the facility shifts into an assessment monitoring program within 90 days (40 CFR 257.95(a) and (b)).



2 Alternate Source Demonstration

An ASD is used to further evaluate SSIs identified at wells GWC-48 and GWC-5 based on statistical analyses of the January-February 2022 semi-annual groundwater monitoring data and resampling data in April 2022. Based on review of available Site data, the SSIs reported for mercury and chloride at well GWC-48 and beryllium at well GWC-5 are not associated with a release from the Site and are caused by uncertainty associated with assumptions used for the statistical analysis of the January-February 2022 data (Table 1).

The statistical analysis of the January-February 2022 data was performed in accordance with the USEPA document of *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009). A review of the statistical analysis was performed by Stantec Consulting Services Inc. (Stantec) and Groundwater Stats Consulting, LLC (GSC). GSC provided revised reports of the April 2022 resampling data based on modified analysis methods described in the subsequent sections to address the SSIs previously reported in the 2022 Semi-Annual Report (Stantec, 2022). The revised GSC reports are included in Appendix A.

Beryllium and Mercury ASD

Beryllium was detected at GWC-5 at an initial concentration of 0.00075 milligrams per liter (mg/L) in January 2022 and mercury was detected at GWC-48 at an initial concentration of 0.00039 mg/L in January 2022. The statistical exceedance of these constituents is likely the result of the statistical analysis methods used, in addition to natural variation of groundwater quality. Information supporting this conclusion includes:

Statistical Analysis Revision (Use of Historical vs Recent Reporting Limits)

As part of the original statistical analysis of the January-February 2022 data, GSC calculated upper prediction limits (UPLs) using historical background data. Prior to calculating UPLs, the historical reporting limits (RLs) for each constituent were replaced with the most recent RLs. The RL for an analyte is always above the method detection limit and reflects concentrations where the laboratory controls precision and bias because the RL is used as a censoring level for quantifying result data. The laboratory RLs decreased for beryllium (0.003 mg/L to 0.0005 mg/L) and mercury (0.0005 mg/L to 0.0002 mg/L) beginning in 2020 (Table 2). RLs are reviewed and updated, when necessary, by the laboratory. The variability in instrumentation, method procedural steps, native background, historical requirements, and general laboratory processes can cause RLs to be different from year to year and lab to lab. In the specific case of beryllium and mercury, the procedures used to determine the RL in 2020 resulted in a value of beryllium (0.0005 mg/L) and mercury (0.0002 mg/L). The RL is comparable to that at other laboratories using a similar criterion.



**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
2 Alternate Source Demonstration**

**TABLE 2
REPORTING LIMIT TRENDS FOR BERYLLIUM AND MERCURY
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
Bartow County, Georgia**

Constituent	September 2020 - February 2022 Reporting Limits	April 2016 - March 2020 Reporting Limits
	mg/L	mg/L
Beryllium	0.000046 - 0.0005	0.003
Mercury	0.000078 - 0.0002	0.0005

The practice of replacing historic RLs with the most recent was employed as a conservative statistical approach intended to capture potential improvements in laboratory techniques or methods which could result in lower RLs. However, this practice may lead to arbitrarily low UPLs in cases where 1) non-parametric methods are used when the constituent is infrequently detected (>50% non-detect reported as less than the RL) and 2) the most recent RL is lower than historical limits.

Due to the frequency of non-detect results for beryllium (92%) at GWC-5 and for mercury (97%) at GWC-48 non-parametric methods were used to estimate the UPL. Consistent with the Unified Guidance (US EPA, 2009), a non-parametric UPL is represented by the highest detected concentration or highest RL in the historical background data set.

The statistical analysis of the January-February 2022 data included in the 2022 Semi-Annual Report, used the most recent and lower RLs as the UPL (beryllium 0.0005 mg/L and mercury 0.0002 mg/L). The use of the lower RLs were not representative of the majority of the RLs in the historical data set collected between 2016-2020 (beryllium at 0.003 mg/L and mercury at 0.0005 mg/L), which resulted in two potential SSIs in the 2022 Semi-Annual Report.

As part of this ASD, the pre-2020 RLs for beryllium and mercury were selected as UPLs, which were previously established and are considered equally protective and representative of the historic data set. When using these previously established UPLs for beryllium and mercury, no exceedances were identified for the 2022 data set; therefore, no further action is necessary. This revision is in the revised GSC report included as Appendix A.

The pre-2020 and post-2020 RLs for both beryllium and mercury are lower than their respective maximum contaminant levels (0.004 mg/L for beryllium and 0.002 mg/L for mercury).

As detection monitoring continues, substituting the most recent RL for historical results will not be done for constituents that are infrequently detected (>50% non-detect concentrations in data set) because they can result in UPLs that are not meaningful or representative of site conditions. In addition, the use of historical data will be evaluated to ensure that it is representative of current site-conditions. Once a sufficient number of sample results (8 – 12 samples) that are analyzed and reported with the lower RLs are collected, the use of historical data will be re-evaluated to ensure that data are representative of current site-conditions.



**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
2 Alternate Source Demonstration**

Naturally Occurring Concentrations and Variation:

Geochemical characterization of groundwater quality data demonstrates little difference between upgradient and GWC-48 and GWC-5 water quality and confirms the absence of a CCR signature in groundwater. A suite of cations and anions were sampled in January-February 2022 from the entire Site groundwater monitoring network and included in the 2022 Semi-Annual Report. Laboratory Analytical Reports are provided in Appendix B. Constituents released from coal ash will shift the relative and absolute abundances of cations and anions away from background conditions. These shifts become apparent when plotted on Piper plots. A CCR impact would characteristically increase the ionic strength and shift ratios away from background, and typically plot at the uppermost portion of the diamond. Upgradient wells and GWC-5 and GWC-48 are depicted on Piper and Stiff plots included as Figures 3 through 6. Upgradient and downgradient groundwater data are generally comingled on the Piper plots, indicating that an outside influence such as a CCR release has not altered groundwater chemistry causing downgradient water quality to be different from upgradient. The wells do not plot in the uppermost portion of the diamond, further indicating that a CCR release has not occurred.

Wells GWC-5, GWC-48, GWA-50, GWA-50R, and GWA-43 have low concentrations and a mixed composition characterized by calcium, magnesium, and bicarbonate type water. The geochemical characterization of GWA-50, GWA-50R, and GWA-43 are generally similar to GWC-48 and GWC-5 water. The relatively low TDS concentrations of these wells (15 to 31 mg/L) suggests that there is minimal variability to the source of groundwater at these locations. Based on a review of Figures 3 and 4, GWC-48 and GWC-5 have a pattern similar to background ionic composition. Therefore, GWC-48 and GWC-5 indicate a natural groundwater composition (chemistry), reflecting background conditions.

Lack of Indicator Parameters Boron and Sulfate:

As stated above, the relatively low TDS concentrations of these wells suggests that there is minimal variability to the source of groundwater at GWC-48 and GWC-5. Typical CCR Appendix III indicator parameters boron and sulfate are historically not detected or detected in very low concentrations in both wells.

- Boron has not been detected above the laboratory RL (0.04 mg/L) in GWC-48 or GWC-5 from sampling data between 2016 to 2022.
- Sulfate has been detected in low concentrations ranging from 0.76 mg/L in March 2018 to 20.2 mg/L in May 2021 at GWC-48. Sulfate was recently detected at GWC-48 at a concentration of 1.2 mg/L from the January 2022 sampling event.

Sulfate has been detected in low concentrations ranging from 1.0 mg/L in February 2022 to 1.87 mg/L in March 2016 at GWC-5. Based on minimal Appendix III indicator parameter detections and geochemical comparison of groundwater quality, data indicate that a release from the Landfill has not occurred, and the beryllium concentrations detected at GWC-5 and mercury concentrations detected at GWC-48 are due to natural variability. When equally protective UPLs using historical RLs were evaluated, no exceedance was identified; therefore, no further action is necessary.



**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
2 Alternate Source Demonstration**

Chloride ASD

Chloride was detected in well GWC-48 at an initial concentration of 4.8 mg/L in January 2022 (Table 1). The statistical exceedance of the chloride UPL in well GWC-48 is likely the result of the statistical analysis methods used, in addition to natural variation of groundwater quality. Information supporting this conclusion includes:

Statistical Analysis Revision (Use of Intrawell Method for Chloride in GWC-48 to Calculate UPL):

- Intrawell methods are more appropriate for chloride in GWC-48 than interwell methods as there is no evidence of historical chloride impacts in well GWC-48. This was demonstrated statistically by comparison of the lower confidence interval of the mean chloride concentration in GWC-48 to the upper tolerance limits for chloride established using pooled background data. GSC provided a revised report (Appendix A) in which intrawell method was used for chloride in GWC-48, resulting in a UPL of 5.485 mg/L. Chloride was detected in well GWC-48 at an initial concentration of 4.8 mg/L in January 2022, which does not exceed the intrawell UPL, 5.485 mg/L. Therefore, the January 2022 detection does not represent a potential SSI.

Statistical Analysis Revision (Use of Non-Parametric vs Parametric Method to Calculate UPL):

- The initial statistical analysis from the 2022 Semi-Annual Report (Stantec, 2022) reported an SSI for chloride in GWC-48 from the January 2022 result of 4.8 mg/L based on an interwell parametric UPL of 4.346 mg/L. Prior to calculating this UPL, goodness of fit testing was used to test for normality of the data set to determine whether parametric or non-parametric methods were appropriate. However, the goodness of fit test was conducted on data collected from both upgradient/background and downgradient wells. In practice goodness of fit testing should only evaluate data collected from upgradient/background wells, because UPLs are representative of upgradient/background conditions.

GSC provided a revised report (Appendix A) in which goodness of fit testing was conducted on only data from upgradient/background wells. This data set did not fit the normal distribution, so parametric methods were not appropriate. Parametric methods are only appropriate when historical upgradient/background data are normally distributed. Therefore, non-parametric methods were used to re-calculate a UPL based on historical upgradient/background sampling, resulting in a UPL of 4.9 mg/L.

Therefore, the January 2022 detection does not represent a potential SSI when compared to the non-parametric interwell UPL or the more appropriate intrawell UPL.

Natural Occurring Concentrations and Variation:

- Recent reported concentrations at downgradient well GWC-48 are similar to those reported historically at upgradient well GWA-43R.
- Chloride concentrations in GWC-48 are within range of regional concentrations in water supply wells (in the range of 1 to 16 mg/L in wells screened in Knox Dolomite and Newala Limestone, USGS Water Supply Paper 1619-FF26, Table 3).



**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event**

Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

2 Alternate Source Demonstration

- Geochemical characterization of groundwater quality data demonstrates little difference between upgradient, and GWC-48 water quality and confirms the absence of a CCR signature in groundwater. A suite of cations and anions were sampled in January-February 2022 from the entire Site groundwater monitoring network and included in the 2022 Semi-Annual Report. Laboratory Analytical Reports are provided in Appendix B. Constituents released from coal ash will shift the relative and absolute abundances cation and anion away from background conditions. These shifts become apparent when plotted on a Piper or Stiff diagram. The size of each stiff diagram corresponds to overall ionic strength and the shape reflects ratios of cations and anions. A CCR impact would characteristically increase the ionic strength and shift ratios away from background. Upgradient wells and GWC-48 are depicted on Figures 5 and 6, Piper and Stiff Diagrams. Upgradient and downgradient groundwater data are generally comingled on the piper plot (Figure 3), indicating that an outside influence such as a CCR release has not altered groundwater chemistry causing downgradient water quality to be different from upgradient.

GWC-48, GWA-50, GWA-50R, and GWA-43 have low concentrations and a mixed composition characterized by calcium, magnesium, and bicarbonate type. The geochemical characterization of GWA-50, GWA-50R, and GWA-43 are generally similar to GWC-48 water. The relatively low TDS concentrations of these wells (15 to 31 mg/L) suggests that there is minimal variability to the source of groundwater at these locations including GWC-48. Based on a review of Figures 5 and 6, GWC-48 has a pattern similar to background ionic composition. Therefore, GWC-48 indicates a natural groundwater composition (chemistry), reflecting background conditions.

Lack of Indicator Parameters Boron and Sulfate:

As stated above, the relatively low TDS concentrations of these wells suggests that there is minimal variability to the source of groundwater at GWC-48. Typical CCR Appendix III indicator parameters boron and sulfate are historically not detected or detected in very low concentrations in well GWC-48.

- Boron has not been detected above the laboratory RL (0.04 mg/L) in GWC-48 from sampling data between 2016 to 2022.
- Sulfate has been detected in low concentrations ranging from 0.76 mg/L in March 2018 to 20.2 mg/L in May 2021. Sulfate was recently detected at a concentration of 1.2 mg/L from the January 2022 sampling event.

Based on similar background chloride concentrations, minimal Appendix III indicator parameter detections, and geochemical comparison of groundwater quality, data indicate that a release from the Landfill has not occurred and the chloride concentrations detected in GWC-48 is due to natural variability. When an intrawell prediction limit was constructed to evaluate chloride at downgradient well GWC-48, no exceedance was identified; therefore, no further action is necessary.



3 Conclusions

The mercury and chloride concentrations reported for well GWC-48 and beryllium concentration reported for well GWC-5 were identified as potential SSIs during the semi-annual 2022 groundwater detection monitoring event conducted in January-February 2022. A subsequent verification sampling event conducted in April 2022 confirmed the initial concentrations, which resulted in the identification of the SSIs. The lines of evidence summarized in the preceding sections and in the revised GSC statistical report (Appendix A) support the ASD findings that mercury and chloride in GWC-48 and beryllium in GWC-5 are not SSIs. The ASD conclusions are supported by the following information:

- Due to varying detection limits in background data sets over time, a substitution of the most recent, lower reporting limits was used for non-detect concentrations of beryllium and mercury in the historical data used in the January-February 2022 statistical analysis. Use of these lower reporting limits in the statistical analysis resulted in much lower UPLs, resulting in SSIs for beryllium and mercury that are not associated with a release from the Site. When using the original reporting limits as alternate UPLs for beryllium and mercury, no exceedances were identified for the 2022 data set. Consistent with the Unified Guidance, once a sufficient number of sample results (8 – 12 samples) that are analyzed and reported with the lower RLs are collected, the use of historical data will be re-evaluated to ensure that data are representative of current site-conditions.. In addition, based on geochemical comparison of upgradient and downgradient groundwater chemistry and no evidence of a release as represented by Appendix III indicator parameter concentrations, data indicate that a release from the Landfill has not occurred.
- The apparent chloride SSI at well GWC-48 is a result of using interwell prediction limits which were initially recommended in 2015 to evaluate this constituent. Based on similar background chloride concentrations detected in regional groundwater wells, minimal Appendix III indicator parameter detections, and geochemical comparison of groundwater quality, data indicate that a release from the Landfill has not occurred and indicates that chloride detections are due to natural variability. Due to natural variation in groundwater quality unrelated to practices at the Site, intrawell prediction limits are more appropriate for chloride analysis. When an intrawell prediction limit was constructed, a UPL of 5.485 mg/L was calculated for chloride and no exceedance was identified; therefore, no further action is necessary.
- When using non-parametric methods to calculate a UPL for chloride based on historical background sampling, the UPL is reported as 4.9 mg/L, which is above the initial January 2022 chloride detection of 4.8 mg/L in GWC-48. Therefore, the initial exceedance does not represent a potential SSI.

Based on the information presented in this ASD, groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, 9 & 10 will continue in the detection monitoring phase.



4 References

United States Environmental Protection Agency (US EPA), 2009. Unified Guidance, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. USEPA 350/R-09/007 Office of Solid Waste Management Division, U.S. Environmental Protection Agency, Washington, D. C. March 2009.

United States Geologic Survey 1963, Geology and Ground-Water Resources of Bartow County Georgia, Geologic Survey Water-Supply 1619-FF, 1963.

Stantec Consulting Services, Inc. (Stantec), 2022. Semi-Annual Groundwater Monitoring & Corrective Action Report, Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10. August 31, 2022.



TABLE



TABLE 1
Summary of January 2022 Statistical
Exceedances Not Previously Addressed in
An ASD

Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, and 9&10
Bartow County, Georgia

Cell	Well	Parameter	SSI During Previous Monitoring Event (July-August 2022)	Initial Exceedance Concentration (January 2022)(mg/L)	Initial Prediction Limit (mg/L)	Revised Prediction Limit (mg/L) ⁽¹⁾⁽²⁾	Initial Exceedance SSI ⁽²⁾
Cell 1 & 2 and 9 & 10	GWC-48	Chloride	No	4.8	4.3	5.485	No
Cell 1 & 2 and 9 & 10	GWC-48	Mercury	No	0.00039	0.0003	0.0005	No
Cell 1 & 2 and 9 & 10	GWC-5	Beryllium	No	0.00075	0.0005	0.0030	No

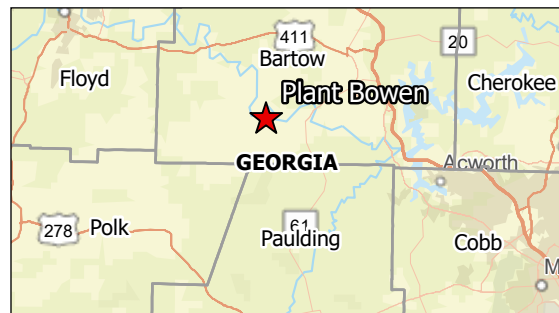
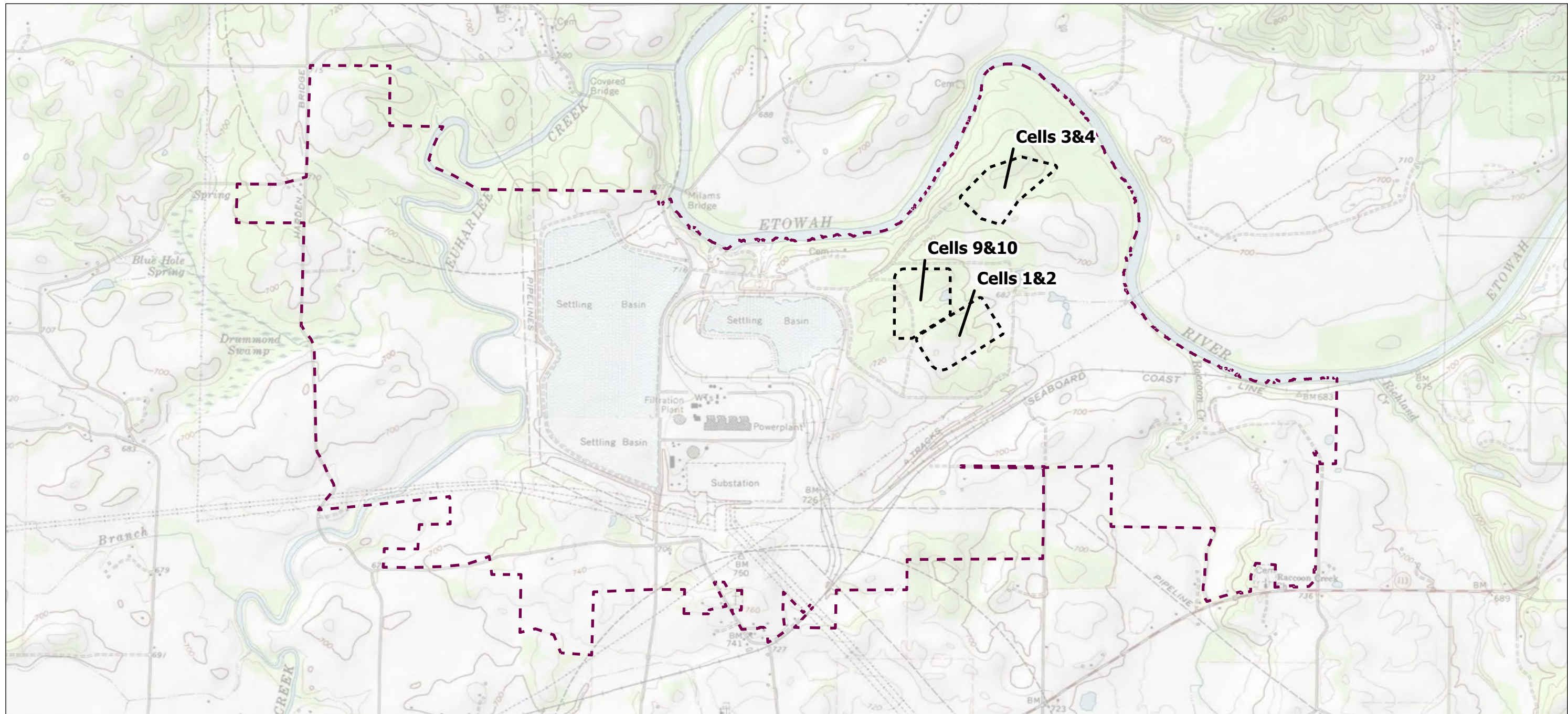
Notes:

1: Revised prediction limits as presented in Groundwater Stats Consulting (GSC) addendum reports (Appendix A). The intrawell prediction limit of 5.485 mg/L for chloride at GWC-48 is more appropriate than the interwell prediction limit because there is no evidence of historical chloride impacts in well GWC-48

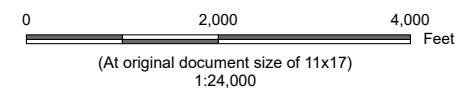
2: The initial exceedances do not exceed the revised prediction limits

FIGURES





- Legend**
- Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)



Project Location
Euharlee, Georgia

Prepared by DMB on 9/28/2022
TR by MP on 9/28/2022
IR by MD on 9/28/2022

Client/Project
Georgia Power
Alternate Source Demonstration for Beryllium, Chloride,
and Mercury - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

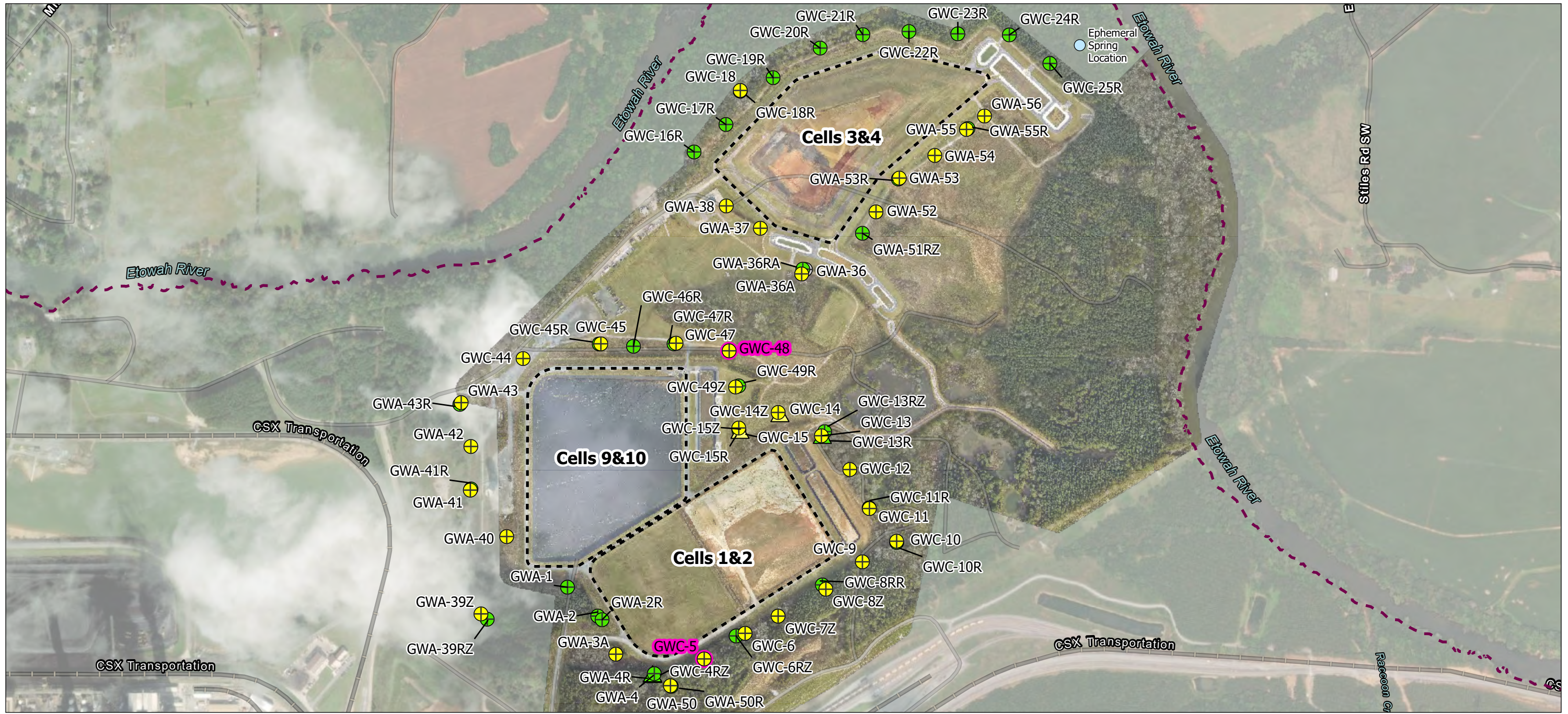
Figure No.

1

Title

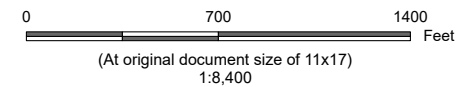
Site Location Map

Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Site and Landfill Boundaries provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Background: Copyright © 2013 National Geographic Society, i-cubed, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS



- Legend**
- ⊕ Abandoned Groundwater Monitoring Well
 - △ Abandoned Water Level Piezometer
 - ⊕ Groundwater Monitoring Well (Overburden)
 - △ Water Level Piezometer (Overburden)
 - ⊕ Groundwater Monitoring Well (Bedrock)
 - △ Water Level Piezometer (Bedrock)
 - Groundwater Monitoring Well (Subjects of ASD)
 - Ephemeral Spring Location
 - - - Approximate Site Boundary
 - - - Landfill Cell Boundary (Approximate)

GWA-36 abandoned 3/16/2022.
 GWA-4 abandoned 3/15/2022.
 GWA-36A installed 3/18/2022.



Project Location
 Euharlee, Georgia

Prepared by DMB on 9/28/2022
 TR by MP on 9/28/2022
 IR by MD on 9/28/2022

Client/Project
 Georgia Power
 Alternate Source Demonstration for Beryllium, Chloride,
 and Mercury - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

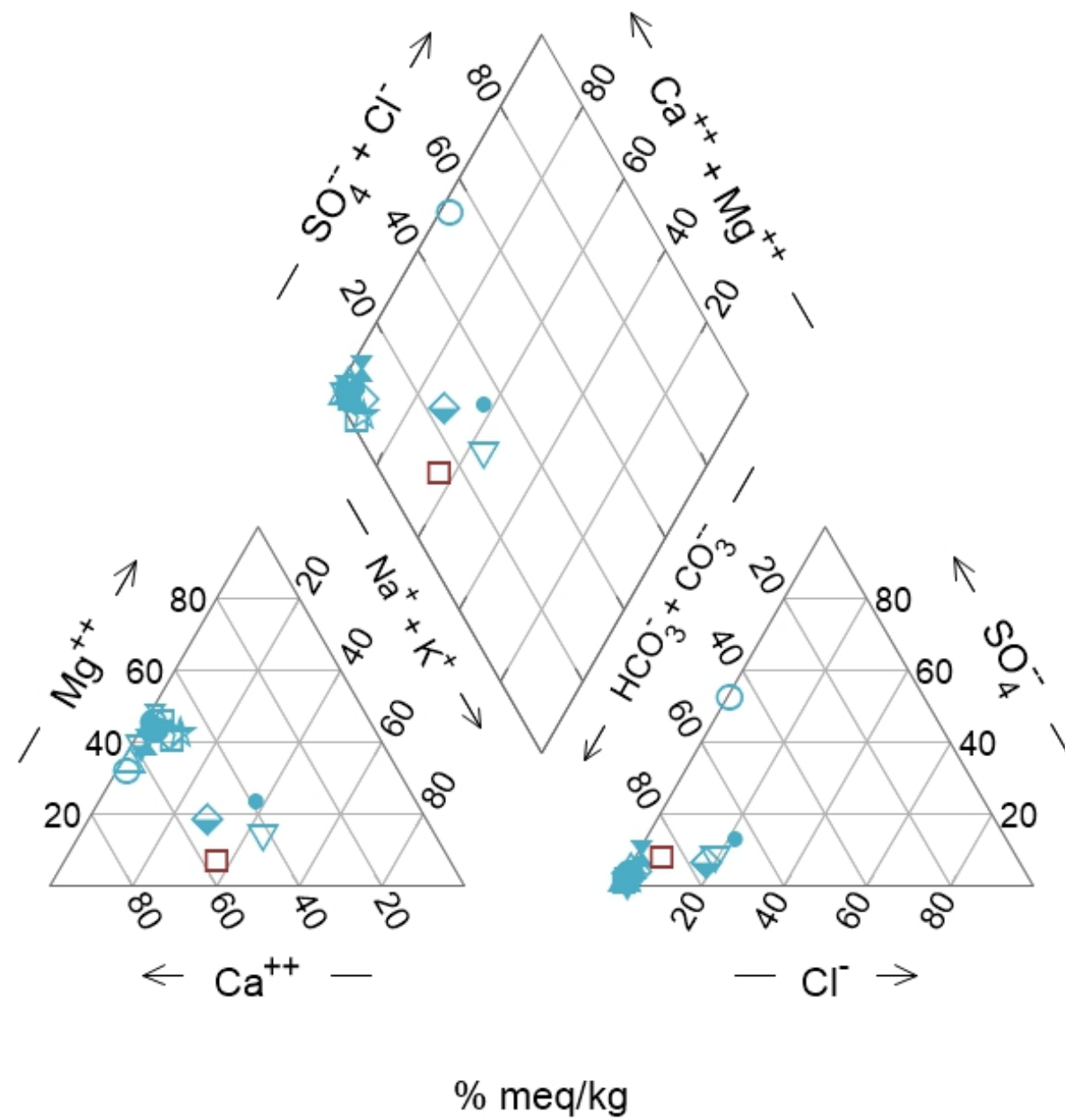
172678190

Figure No.
2

Title
Groundwater Monitoring System

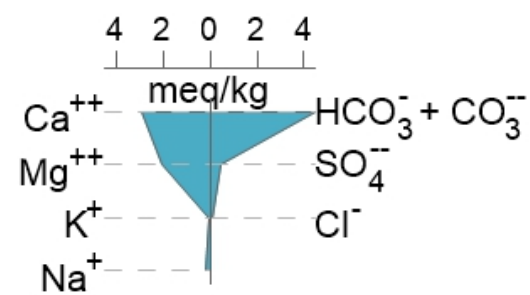
Notes

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Landfill Boundaries, Site Boundary, and Monitoring Well locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Plant imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

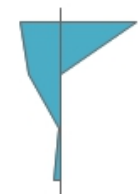


- GWA-1 20220201
- GWA-2 20220201
- △ GWA-2R 20220201
- ▽ GWA-50 20220201
- ◇ GWA-3A 20220202
- GWA-50R 20220202
- ✕ GWA-4RZ 20220203
- ☆ GWA-39Z 20220131
- GWA-40 20220131
- GWA-41 20220131
- ▲ GWA-41R 20220131
- ▽ GWA-42 20220131
- ◇ GWA-43 20220131
- ✕ GWA-43R 20220131
- GWA-39RZ 20220202
- GWC-5 20220202

- Cells 1, 2, 9, 10 Upgradient Wells
- GWC-5



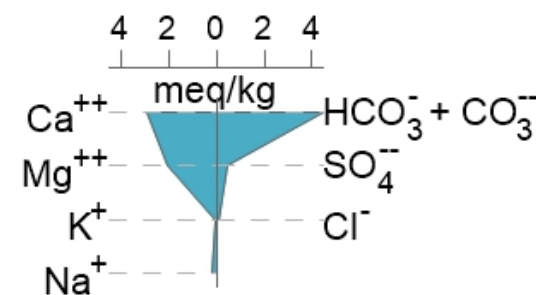
GWA-4RZ 20220203



GWA-1 20220201



GWA-2 20220201



GWA-4RZ 20220203



GWA-40 20220131



GWA-41 20220131



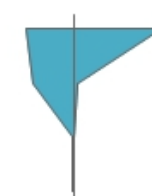
GWA-2R 20220201



GWA-50 20220201



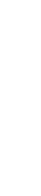
GWA-3A 20220202



GWA-41R 20220131



GWA-42 20220131



GWA-43 20220131



GWA-50R 20220202



GWA-39Z 20220131



GWA-40 20220131




GWA-43R 20220131



GWA-39RZ 20220202



GWC-5 20220202

 Cells 1, 2, 9, 10 Upgradient Wells

 GWC-5



Project Location
Euharlee, Georgia

Prepared by DMB on 9/28/2022
TR by MP on 9/28/2022
IR by MD on 9/28/2022

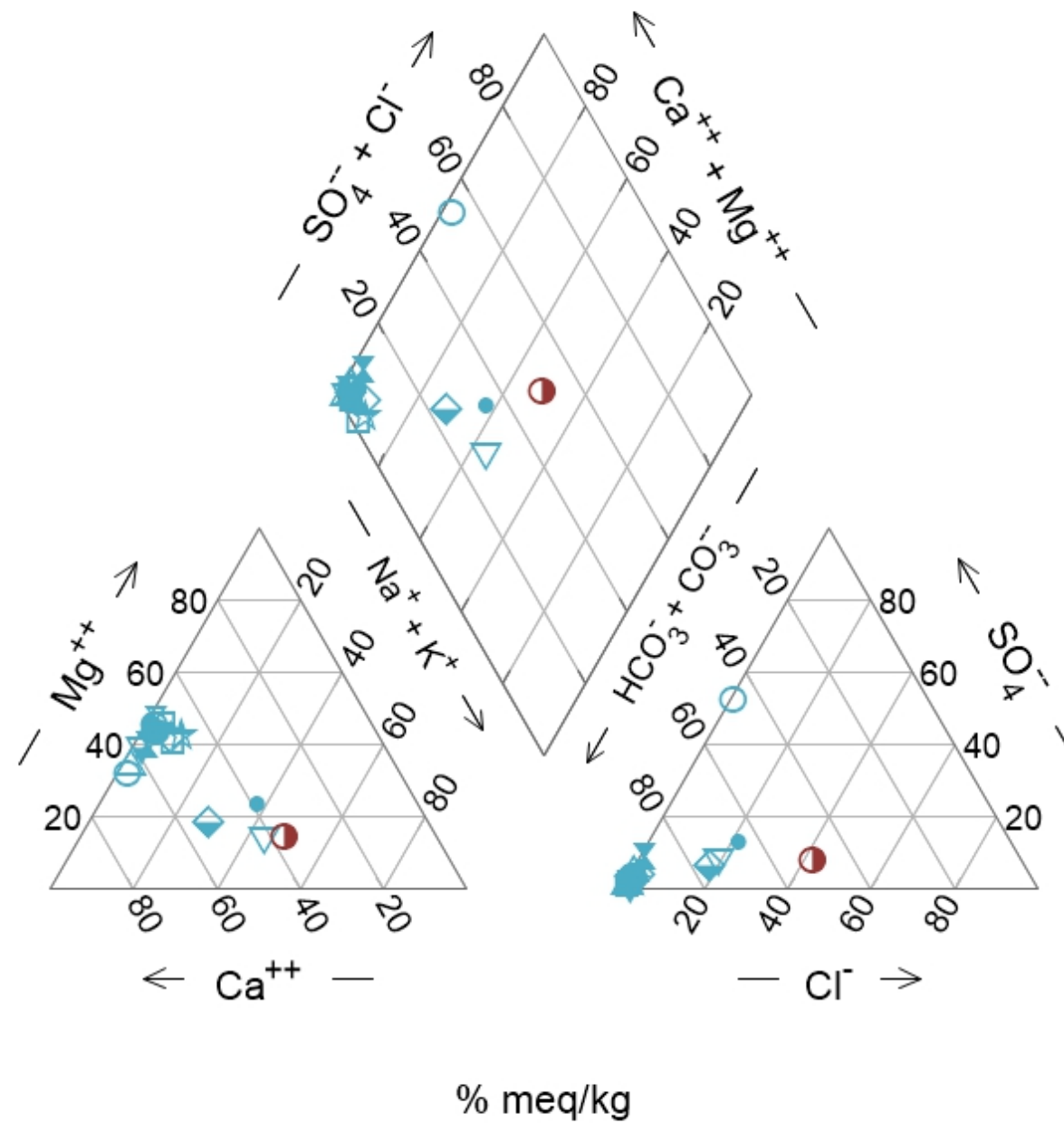
Client/Project
Georgia Power
Alternate Source Demonstration for Beryllium, Chloride,
and Mercury - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.

4

Title

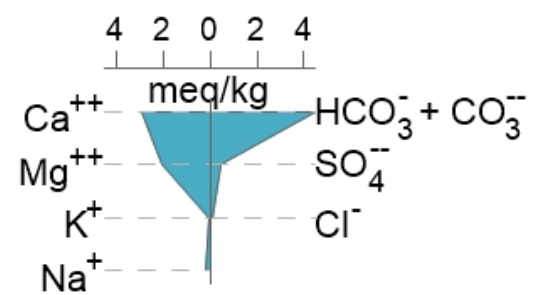
GWC- 5 Stiff Diagrams



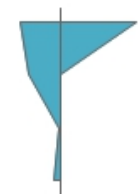
- GWA-1 20220201
- GWA-2 20220201
- △ GWA-2R 20220201
- ▽ GWA-50 20220201
- ◇ GWA-3A 20220202
- GWA-50R 20220202
- ✕ GWA-4RZ 20220203
- ☆ GWA-39Z 20220131
- GWA-40 20220131
- GWA-41 20220131
- ▲ GWA-41R 20220131
- ▽ GWA-42 20220131
- ◇ GWA-43 20220131
- ✕ GWA-43R 20220131
- GWC-48 20220131
- GWA-39RZ 20220202

■ Cells 1, 2, 9, 10 Upgradient Wells

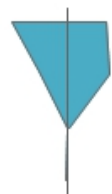
■ GWC-48



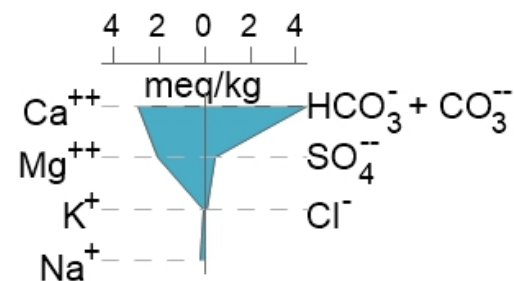
GWA-4RZ 20220203



GWA-1 20220201



GWA-2 20220201



GWA-4RZ 20220203



GWA-40 20220131



GWA-41 20220131



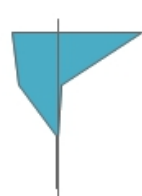
GWA-2R 20220201



GWA-50 20220201



GWA-3A 20220202



GWA-41R 20220131



GWA-42 20220131



GWA-43 20220131



GWA-50R 20220202



GWA-39Z 20220131



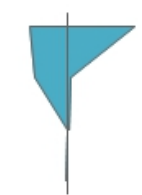
GWA-40 20220131




GWA-43R 20220131



GWC-48 20220131



GWA-39RZ 20220202

 Cells 1, 2, 9, 10 Upgradient Wells

 GWC-48



Project Location: Euharlee, Georgia
 Prepared by DMB on 9/28/2022
 TR by MP on 9/28/2022
 IR by MD on 9/28/2022

Client/Project: Georgia Power, 172678190
 Alternate Source Demonstration for Beryllium, Chloride, and Mercury - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.: 6

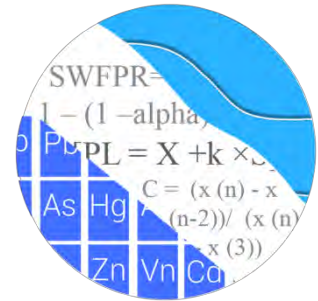
Title: GWC- 48 Stiff Diagrams

**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

APPENDIX A REVISED GROUNDWATER STATS CONSULTING REPORTS



GROUNDWATER STATS CONSULTING



September 15, 2022

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd. NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Bowen Landfill Cells 1, 2, 9, and 10 – Spring 2022 Resample

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the resample report for the February 2022 sample event for Georgia Power Company's Plant Bowen Landfill Cells 1, 2, 9, and 10. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-1, GWA-2, GWA-2R, GWA-3A GWA-4RZ, GWA-39RZ, GWA-39Z, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43, GWA-43R, GWA-50R, and GWA-50
- **Downgradient wells:** GWC-5, GWC-6, GWC-6RZ, GWC-7Z, GWC-8RR, GWC-8Z, GWC-9, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-12, GWC-13, GWC-13RZ, GWC-14Z, GWC-15R, GWC-15Z, GWC-44, GWC-45, GWC-45R, GWC-46R, GWC-47, GWC-47R, GWC-48, GWC-49R, and GWC-49Z

Note that well GWA-3 was replaced with GWA-3A, which was first sampled in March 2021. As requested, data from well GWA-3 have been combined with data from replacement well GWA-3A.

Data were sent electronically to Groundwater Stats Consulting, and the resample report statistical analysis was reviewed by Kristina Rayner, Senior Statistician and Founder to Groundwater Stats Consulting.

The following constituents are evaluated on a semi-annual basis:

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix I:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that the terms “parameters” and “constituents” are interchangeable throughout this report.

Resample Summary – April 2022

Time series and box plots are provided to include resamples collected in April 2022 for well/constituent pairs identified with apparent prediction limits exceedances during the February 2022 sample event (Figures S and T, respectively). Upgradient well data are included in the plots to represent naturally occurring concentration levels in groundwater upgradient of the landfill. Well/constituent pairs with exceedances during February 2022 where previous Alternate Source Demonstrations (ASDs) were prepared are not included in this analysis. The time series plots provide visual representation of concentrations over time while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

Due to varying detection limits in background data sets, a substitution of the most recent reporting limit is typically used for all non-detects. Note that the laboratory reporting limit however, for beryllium decreased from 0.003 mg/L to 0.0005 mg/L and for mercury from 0.0005 mg/L to 0.0002 mg/L in more recent data. Therefore, the historical reporting limits of 0.003 mg/L and 0.0005 mg/L are substituted for all nondetects for beryllium and mercury, respectively. In both cases, the reporting limits are below the established Maximum Contaminant Limits of 0.004 mg/L for beryllium and 0.002 mg/L for mercury.

Resamples were collected in April 2022 and evaluated for the following well/constituent pairs:

Georgia EPD Appendix I

Appendix I Intrawell

- Cadmium: GWC-12

Appendix I Interwell

- Beryllium: GWC-5
- Mercury: GWC-48

CCR Appendix III

Appendix III Interwell

- Chloride: GWC-48

An intrawell prediction limit was constructed to evaluate the resample using background data as discussed previously for cadmium (Figure U). No exceedance was identified for cadmium in well GWC-12; thus, the initial exceedance was not confirmed and no further action is necessary.

Interwell prediction limits were constructed using pooled upgradient well data through February 2022 to evaluate the resamples for beryllium at well GWC-5 and mercury at well GWC-48 (Figure V). When interwell prediction limits were constructed, no exceedances were identified; therefore, no further action is required.

While interwell prediction limits were initially recommended in 2015 to evaluate chloride, more recent evidence provided by Stantec Consultants suggests that intrawell prediction limits are appropriate for this constituent due to natural variation in groundwater quality unrelated to practices at the landfill. Additionally, more recent reported concentrations at downgradient well GWC-48 are similar to those reported historically at upgradient well GWA-43R, and concentrations at all wells are less than 10 mg/L compared to the established Maximum Contaminant Limit of 250 mg/L. When an intrawell prediction limit was constructed to evaluate chloride at downgradient well GWC-48, no exceedance was identified; therefore, no further action is necessary (Figure W).

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill Cells 1, 2, 9 and 10. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

Appendix I Intrawell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:26 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-12	0.001	n/a	4/28/2022	0.00067	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Appendix I Interwell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:06 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-5	0.003	n/a	4/28/2022	0.00078	No	284	n/a	n/a	91.55	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Mercury (mg/L)	GWC-48	0.0005	n/a	4/28/2022	0.0004	No	382	n/a	n/a	96.6	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

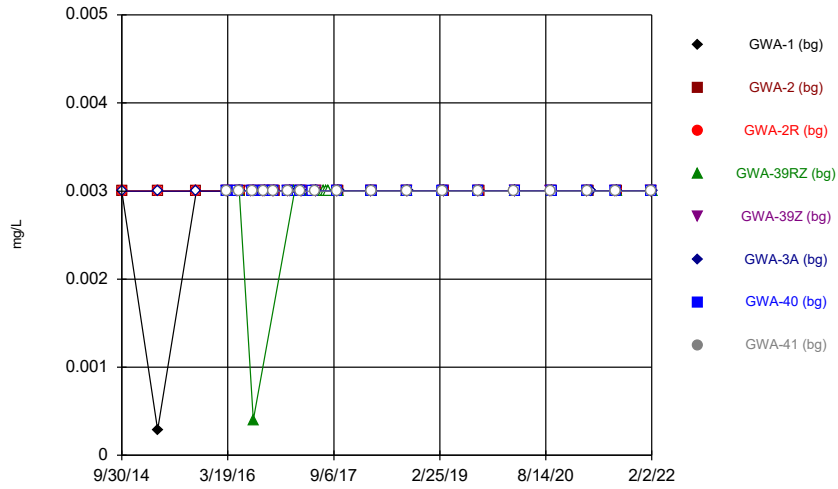
Appendix III Intrawell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.485	n/a	4/28/2022	5	No	17	1.705	0.2373	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

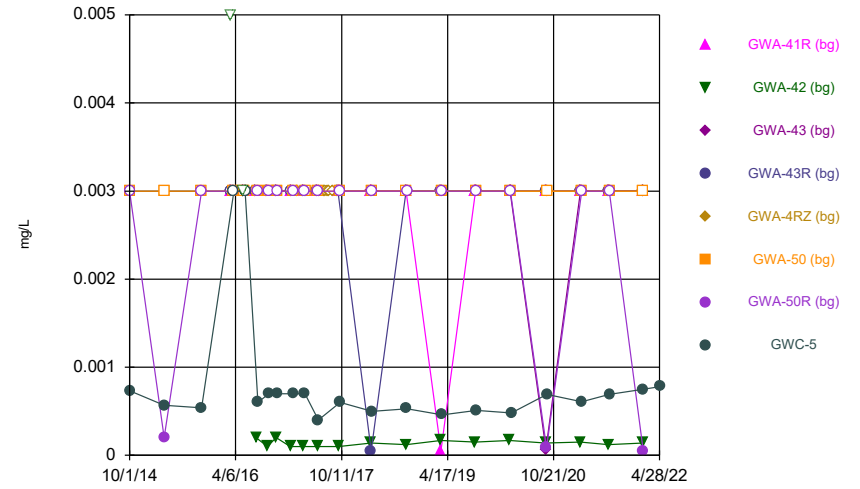
FIGURE S.

Time Series



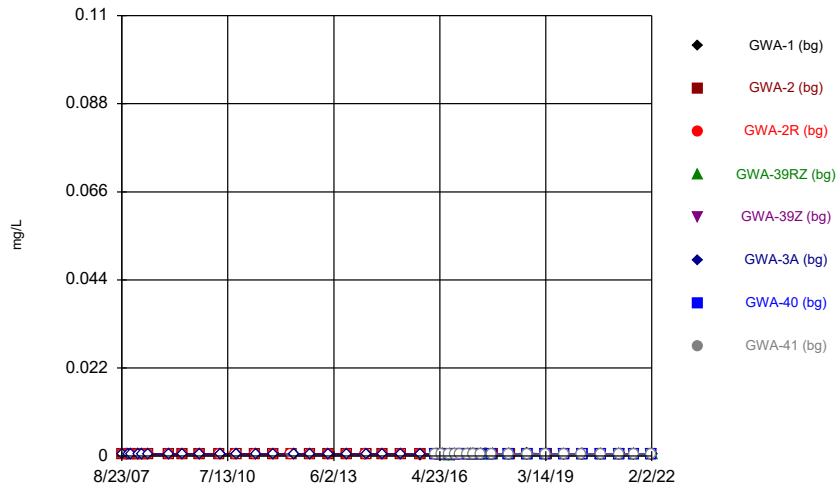
Constituent: Beryllium Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



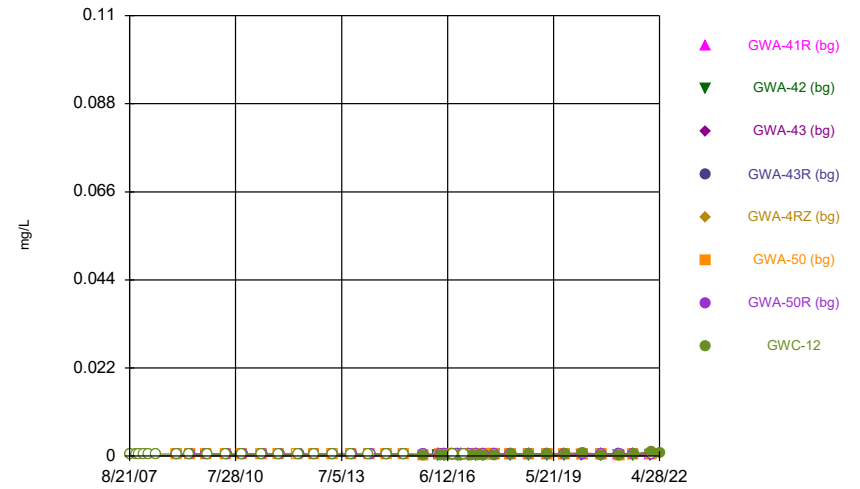
Constituent: Beryllium Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



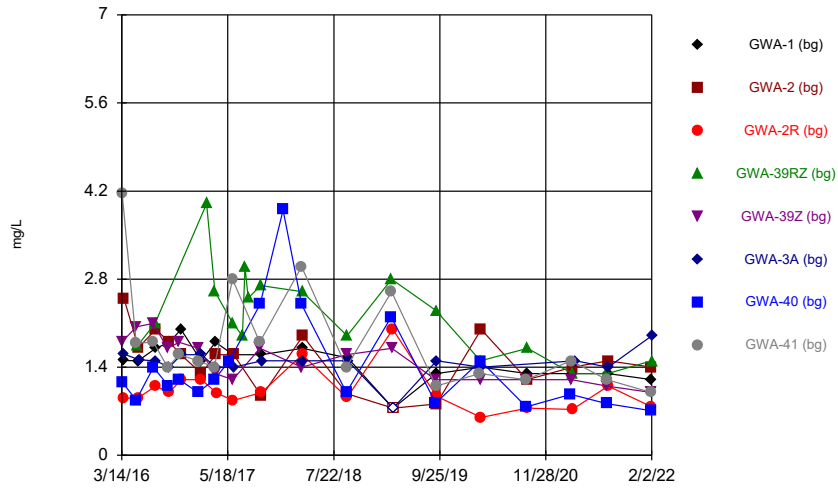
Constituent: Cadmium Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



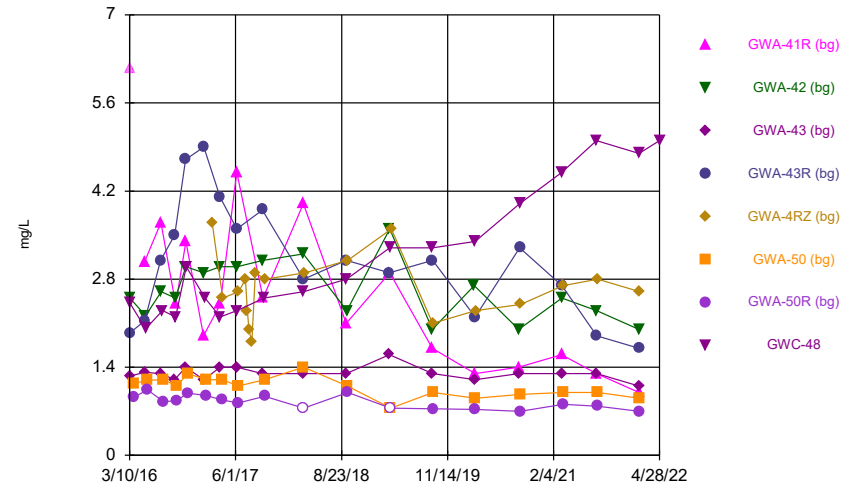
Constituent: Cadmium Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



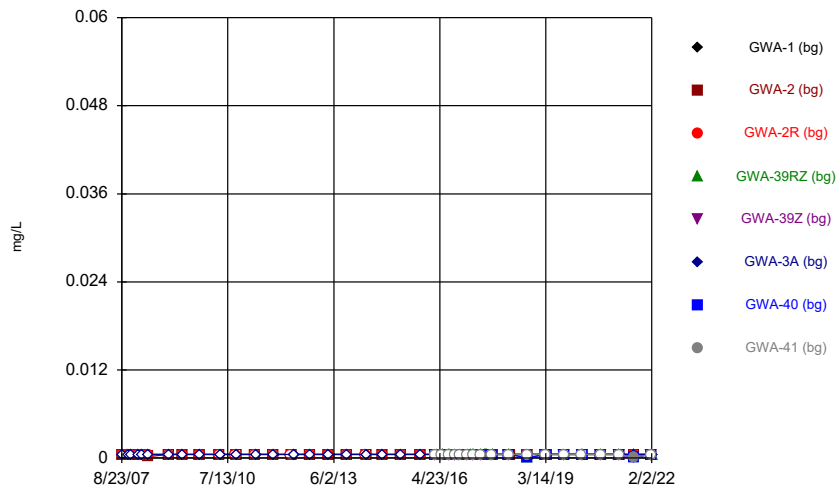
Constituent: Chloride, Total Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



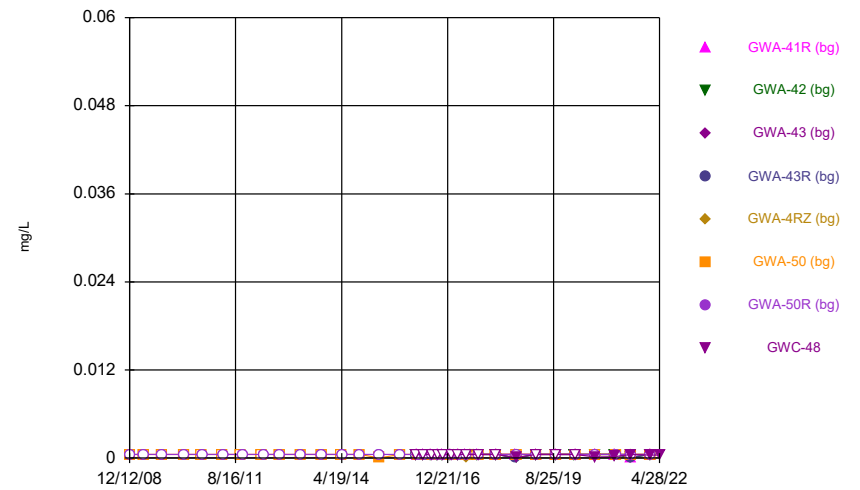
Constituent: Chloride, Total Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Mercury Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Mercury Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/30/2014	<0.003	<0.003	<0.003					
10/4/2014						<0.003		
3/30/2015	0.00029 (J)	<0.003	<0.003					
3/31/2015						<0.003		
10/12/2015						<0.003		
10/13/2015	<0.003	<0.003	<0.003					
3/14/2016					<0.003			
3/15/2016							<0.003	<0.003
3/22/2016	<0.003							
3/23/2016		<0.003	<0.003			<0.003		
5/11/2016					<0.003		<0.003	
5/12/2016								<0.003
5/16/2016				<0.003 (D)				
5/19/2016	<0.003		<0.003					
5/20/2016		<0.003						
5/23/2016						<0.003		
7/19/2016					<0.003			
7/20/2016								<0.003
7/21/2016							<0.003	
7/27/2016				0.0004 (JD)				
7/29/2016	<0.003	<0.003	<0.003			<0.003		
9/15/2016					<0.003		<0.003	<0.003
9/22/2016			<0.003			<0.003		
9/23/2016	<0.003	<0.003						
11/2/2016					<0.003			
11/3/2016							<0.003	<0.003
11/9/2016	<0.003	<0.003						
11/10/2016			<0.003			<0.003		
1/17/2017							<0.003	
1/18/2017					<0.003			<0.003
1/30/2017	<0.003							
1/31/2017		<0.003	<0.003			<0.003		
2/21/2017				<0.003				
3/24/2017							<0.003	<0.003
3/27/2017				<0.003 (D)				
3/28/2017					<0.003			
3/30/2017	<0.003	<0.003				<0.003		
4/3/2017			<0.003					
5/24/2017							<0.003	
6/6/2017								<0.003
6/7/2017					<0.003			
6/8/2017				<0.003 (D)				
6/9/2017	<0.003		<0.003					
6/12/2017		<0.003				<0.003		
7/17/2017				<0.003 (D)				
7/27/2017				<0.003				
8/9/2017				<0.003				
9/25/2017								<0.003
9/26/2017					<0.003		<0.003	
9/29/2017				<0.003 (D)				
10/2/2017	<0.003	<0.003	<0.003					
10/4/2017						<0.003		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/14/2018					<0.003		<0.003	<0.003
3/16/2018	<0.003		<0.003	<0.003				
3/19/2018		<0.003				<0.003		
9/12/2018					<0.003		<0.003	<0.003
9/14/2018		<0.003	<0.003	<0.003				
9/17/2018	<0.003 (D)					<0.003		
3/13/2019							<0.003	
3/14/2019				<0.003				<0.003
3/15/2019					<0.003			
3/19/2019			<0.003					
3/20/2019	<0.003	<0.003				<0.003		
9/9/2019					<0.003		<0.003	
9/10/2019								<0.003 (D)
9/12/2019	<0.003	<0.003 (D)						
9/13/2019			<0.003			<0.003		
3/6/2020								<0.003
3/9/2020				<0.003	<0.003		<0.003	
3/11/2020	<0.003	<0.003	<0.003			<0.003		
9/10/2020					<0.003			<0.003
9/11/2020							<0.003	
9/15/2020	<0.003	<0.003	<0.003					
9/16/2020				<0.003				
3/10/2021							<0.003	
3/11/2021								<0.003
3/12/2021					<0.003			
3/16/2021	<0.003		<0.003	<0.003				
3/17/2021		<0.003						
3/29/2021						<0.003		
8/4/2021					<0.003		<0.003	<0.003
8/6/2021				<0.003				
8/9/2021	<0.003	<0.003	<0.003			<0.003		
1/31/2022					<0.003		<0.003	<0.003
2/1/2022	<0.003	<0.003	<0.003					
2/2/2022				<0.003		<0.003		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5
10/1/2014						<0.003	<0.003	
10/3/2014								0.00073 (J)
3/30/2015						<0.003	0.0002 (J)	
3/31/2015								0.00057 (J)
10/11/2015						<0.003	<0.003	
10/12/2015								0.00054 (J)
3/11/2016		<0.005 (O)	<0.003	<0.003				
3/15/2016	<0.003							
3/28/2016						<0.003	<0.003	<0.003
5/13/2016	<0.003		<0.003	<0.003				
5/16/2016		<0.003 (O)						
5/23/2016						<0.003		
5/25/2016							<0.003	<0.003
7/19/2016			<0.003	<0.003				
7/21/2016	<0.003							
7/22/2016		0.0002 (J)						
8/1/2016						<0.003	<0.003	0.0006 (J)
9/16/2016			<0.003	<0.003				
9/19/2016		0.0001 (J)						
9/21/2016	<0.003							
9/26/2016						<0.003	<0.003	
9/27/2016								0.0007 (J)
11/2/2016			<0.003	<0.003				
11/3/2016	<0.003	0.0002 (J)						
11/10/2016						<0.003		
11/11/2016							<0.003	0.0007 (J)
1/17/2017	<0.003	0.0001 (J)						
1/18/2017			<0.003	<0.003				
1/30/2017						<0.003	<0.003	
1/31/2017								0.0007 (J)
2/22/2017					<0.003			
3/27/2017	<0.003	0.0001 (J)						
3/28/2017			<0.003	<0.003				
4/3/2017							<0.003	0.0007 (J)
4/7/2017					<0.003	<0.003		
6/6/2017	<0.003		<0.003	<0.003				
6/7/2017		0.0001 (J)						
6/12/2017						<0.003	<0.003	0.0004 (J)
6/14/2017					<0.003 (D)			
7/12/2017					<0.003 (D)			
7/20/2017					<0.003 (D)			
7/28/2017					<0.003			
8/9/2017					<0.003			
8/24/2017					<0.003			
9/22/2017			<0.003	<0.003				
9/25/2017	<0.003							
9/26/2017		0.0001 (J)						
10/2/2017						<0.003	<0.003	
10/3/2017					<0.003 (D)			0.0006 (J)
3/14/2018	<0.003	0.00014 (J)	<0.003					
3/15/2018				5.1E-05 (J)				
3/16/2018						<0.003	<0.003	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005		
10/23/2007	<0.0005							
10/24/2007		<0.0005	<0.0005					
11/2/2007						<0.0005		
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005		
1/30/2008	<0.0005							
1/31/2008		<0.0005	<0.0005			<0.0005		
3/10/2008	<0.0005		<0.0005					
3/11/2008		<0.0005				<0.0005		
5/6/2008		<0.0005						
5/13/2008	<0.0005		<0.0005					
5/14/2008						<0.0005		
12/4/2008		<0.0005	<0.0005					
12/5/2008	<0.0005					<0.0005		
4/15/2009	<0.0005					<0.0005		
4/21/2009		<0.0005	<0.0005					
10/7/2009	<0.0005	<0.0005						
10/8/2009			<0.0005			<0.0005		
4/21/2010			<0.0005					
4/26/2010		<0.0005						
4/28/2010						<0.0005		
5/3/2010	<0.0005							
9/28/2010			<0.0005					
10/4/2010		<0.0005						
10/6/2010						<0.0005		
10/12/2010	<0.0005							
4/12/2011			<0.0005					
4/13/2011		<0.0005						
4/21/2011						<0.0005		
4/27/2011	<0.0005							
10/4/2011			<0.0005					
10/5/2011		<0.0005						
10/13/2011						<0.0005		
10/17/2011	<0.0005							
4/3/2012			<0.0005					
4/11/2012		<0.0005						
5/1/2012						<0.0005		
5/2/2012	<0.0005							
10/8/2012	<0.0005							
10/9/2012		<0.0005	<0.0005			<0.0005		
4/11/2013			<0.0005			<0.0005		
4/12/2013	<0.0005							
4/15/2013		<0.0005						
10/15/2013		<0.0005						
10/16/2013	<0.0005		<0.0005			<0.0005		
4/10/2014			<0.0005					
4/11/2014	<0.0005							
4/22/2014		<0.0005						
4/23/2014						<0.0005		
9/30/2014	<0.0005	<0.0005	<0.0005					
10/4/2014						<0.0005		
3/30/2015	<0.0005	<0.0005	<0.0005					

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/31/2015						<0.0005		
10/12/2015						<0.0005		
10/13/2015	0.0003 (J)	<0.0005	<0.0005					
3/14/2016					<0.0005			
3/15/2016							<0.0005	<0.0005
3/22/2016	<0.0005							
3/23/2016		<0.0005	<0.0005			<0.0005		
5/11/2016					0.000177 (J)		<0.0005	
5/12/2016								<0.0005
5/16/2016				<0.0005 (D)				
5/19/2016	<0.0005		<0.0005					
5/20/2016		<0.0005						
5/23/2016						<0.0005		
7/19/2016					0.0001 (J)			
7/20/2016								<0.0005
7/21/2016							<0.0005	
7/27/2016				0.0001 (JD)				
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005		
9/15/2016					8E-05 (J)		<0.0005	<0.0005
9/22/2016			<0.0005			<0.0005		
9/23/2016	<0.0005	<0.0005						
11/2/2016					<0.0005			
11/3/2016							<0.0005	<0.0005
11/9/2016	<0.0005	<0.0005						
11/10/2016			<0.0005			<0.0005		
1/17/2017							<0.0005	
1/18/2017					<0.0005			<0.0005
1/30/2017	<0.0005							
1/31/2017		<0.0005	<0.0005			<0.0005		
2/21/2017				<0.0005				
3/24/2017							<0.0005	<0.0005
3/27/2017				<0.0005 (D)				
3/28/2017					<0.0005			
3/30/2017	<0.0005	<0.0005				<0.0005		
4/3/2017			<0.0005					
5/24/2017							<0.0005	
6/6/2017								<0.0005
6/7/2017					<0.0005			
6/8/2017				<0.0005 (D)				
6/9/2017	<0.0005		<0.0005					
6/12/2017		<0.0005				<0.0005		
7/17/2017				<0.0005 (D)				
7/27/2017				<0.0005				
8/9/2017				<0.0005				
9/25/2017								<0.0005
9/26/2017					<0.0005		<0.0005	
9/29/2017				<0.0005 (D)				
10/2/2017	<0.0005	<0.0005	<0.0005					
10/4/2017						<0.0005		
3/14/2018					<0.0005		<0.0005	<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005				
3/19/2018		<0.0005				<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/12/2018					<0.0005		<0.0005	<0.0005
9/14/2018		<0.0005	<0.0005	<0.0005				
9/17/2018	0.00076 (JD)					<0.0005		
3/13/2019							<0.0005	
3/14/2019				<0.0005				<0.0005
3/15/2019					<0.0005			
3/19/2019			<0.0005					
3/20/2019	<0.0005	<0.0005				<0.0005		
9/9/2019					<0.0005		<0.0005	
9/10/2019								<0.0005 (D)
9/12/2019	<0.0005	<0.0005 (D)						
9/13/2019			<0.0005			<0.0005		
3/6/2020								<0.0005
3/9/2020				<0.0005	<0.0005		<0.0005	
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005		
9/10/2020					<0.0005			<0.0005
9/11/2020							<0.0005	
9/15/2020	<0.0005	<0.0005	<0.0005					
9/16/2020				<0.0005				
3/10/2021							<0.0005	
3/11/2021								<0.0005
3/12/2021					<0.0005			
3/16/2021	<0.0005		<0.0005	<0.0005				
3/17/2021		<0.0005						
3/29/2021						<0.0005		
8/4/2021					<0.0005		<0.0005	<0.0005
8/6/2021				<0.0005				
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005		
1/31/2022					<0.0005		<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005					
2/2/2022				<0.0005		<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-12
8/21/2007								<0.0005
11/1/2007								<0.0005
11/19/2007								<0.0005
1/16/2008								<0.0005
3/5/2008								<0.0005
5/13/2008								<0.0005
12/12/2008						<0.0005	<0.0005	
12/13/2008								<0.0005
4/16/2009								<0.0005
4/23/2009						<0.0005	<0.0005	
10/6/2009						<0.0005	<0.0005	
10/21/2009								<0.0005
4/27/2010						<0.0005		<0.0005
5/3/2010							<0.0005	
9/30/2010						<0.0005		
10/5/2010								<0.0005
10/11/2010							<0.0005	
4/14/2011						<0.0005		
4/19/2011								<0.0005
4/27/2011							<0.0005	
10/5/2011						<0.0005		
10/12/2011								<0.0005
10/19/2011							<0.0005	
4/11/2012						<0.0005		
4/24/2012								<0.0005
5/1/2012							<0.0005	
10/2/2012						<0.0005	<0.0005	<0.0005
4/2/2013								<0.0005
4/9/2013						<0.0005		
4/10/2013							<0.0005	
10/9/2013								<0.0005
10/15/2013						<0.0005		
10/16/2013							<0.0005	
4/1/2014								<0.0005
4/10/2014						<0.0005		
4/22/2014							<0.0005	
10/1/2014						<0.0005	<0.0005	
10/2/2014								<0.0005
3/30/2015						<0.0005	<0.0005	
4/1/2015								<0.0005
10/11/2015						0.00026 (J)	<0.0005	
10/14/2015								0.00025 (J)
3/11/2016		0.000121 (J)	<0.0005	<0.0005				
3/15/2016	<0.0005							
3/28/2016						<0.0005	<0.0005	
4/4/2016								0.000136 (J)
5/13/2016	<0.0005		<0.0005	<0.0005				
5/16/2016		0.000145 (J)						
5/23/2016						<0.0005		
5/25/2016							<0.0005	
5/27/2016								0.000131 (J)
7/19/2016			<0.0005	<0.0005				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-12
7/21/2016	<0.0005							
7/22/2016		<0.0005						
8/1/2016						<0.0005	<0.0005	
8/3/2016								<0.0005
9/16/2016			<0.0005	<0.0005				
9/19/2016		0.0001 (J)						
9/21/2016	<0.0005							
9/26/2016						<0.0005	<0.0005	
9/30/2016								9E-05 (J)
11/2/2016			<0.0005	<0.0005				
11/3/2016	<0.0005	8E-05 (J)						
11/10/2016						<0.0005		
11/11/2016							<0.0005	
11/22/2016								<0.0005
1/17/2017	<0.0005	0.0001 (J)						
1/18/2017			<0.0005	<0.0005				
1/30/2017						<0.0005	<0.0005	
2/13/2017								0.0001 (J)
2/22/2017					<0.0005			
3/27/2017	<0.0005	0.0002 (J)						
3/28/2017			<0.0005	<0.0005				
4/3/2017							<0.0005	
4/7/2017					<0.0005	<0.0005		
4/11/2017								0.0003 (J)
6/6/2017	<0.0005		8E-05 (J)	<0.0005				
6/7/2017		0.0001 (J)						
6/12/2017						<0.0005	<0.0005	
6/14/2017					<0.0005 (D)			0.0003 (J)
7/12/2017					<0.0005 (D)			
7/20/2017					<0.0005 (D)			
7/28/2017					<0.0005			
8/9/2017					<0.0005			
8/24/2017					<0.0005			
9/22/2017			<0.0005	<0.0005				
9/25/2017	<0.0005							
9/26/2017		<0.0005						
10/2/2017						<0.0005	<0.0005	
10/3/2017					<0.0005 (D)			
10/4/2017								0.0002 (J)
3/14/2018	<0.0005	0.00011 (J)	<0.0005					
3/15/2018				<0.0005				
3/16/2018						<0.0005	<0.0005	
3/21/2018					<0.0005			
3/22/2018								0.00032 (J)
9/12/2018	<0.0005		<0.0005	<0.0005				
9/14/2018		0.00013 (J)						
9/17/2018						<0.0005		
9/18/2018					<0.0005		<0.0005	0.00057 (J)
3/13/2019			<0.0005	<0.0005				
3/14/2019	<0.0005	0.00013 (J)						
3/19/2019						<0.0005	<0.0005	
3/21/2019					<0.0005 (D)			

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/14/2016					1.795			
3/15/2016							1.1671	4.1666
3/22/2016	1.5101							
3/23/2016		2.4904	0.9079			1.6092		
5/11/2016					2.04		0.8763	
5/12/2016								1.78
5/16/2016				1.74 (D)				
5/19/2016	1.5		0.9136					
5/20/2016		1.71						
5/23/2016						1.52		
7/19/2016					2.1			
7/20/2016								1.8
7/21/2016							1.4	
7/27/2016				2.1 (D)				
7/29/2016	1.7	2	1.1			1.5		
9/15/2016					1.7			1.4
9/19/2016							1.1	
9/22/2016			1			1.4		
9/23/2016	1.8	1.8						
11/2/2016					1.8			
11/3/2016							1.2	1.6
11/9/2016	2	1.6						
11/10/2016			1.2			1.6		
1/17/2017							1	
1/18/2017					1.7			1.5
1/30/2017	1.5							
1/31/2017		1.3	1.2			1.6		
2/21/2017				4 (D)				
3/24/2017							1.2	1.4
3/27/2017				2.6 (D)				
3/28/2017					1.3			
3/30/2017	1.8	1.6				1.4		
4/3/2017			0.99					
5/24/2017							1.5	
6/6/2017								2.8
6/7/2017					1.2			
6/8/2017				2.1 (D)				
6/9/2017	1.6		0.87					
6/12/2017		1.6				1.4		
7/17/2017				1.9 (D)				
7/27/2017				3 (D)				
8/9/2017				2.5 (D)				
9/25/2017								1.8
9/26/2017					1.7		2.4	
9/29/2017				2.7 (D)				
10/2/2017	1.6	0.94	1					
10/4/2017						1.5		
12/28/2017							3.9 (Y)	
3/14/2018					1.4		2.4	3
3/16/2018	1.7		1.6	2.6				
3/19/2018		1.9				1.5		
9/12/2018					1.6		1	1.4

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/14/2018		0.98	0.92	1.9				
9/17/2018	1.55 (D)					1.5		
3/13/2019							2.2	
3/14/2019				2.8				2.6
3/15/2019					1.7			
3/19/2019			2					
3/20/2019	<1.5	<1.5				<1.5		
9/9/2019					1.2		0.83 (X)	
9/10/2019				2.3				1.1
9/12/2019	1.3	0.815 (JD)						
9/13/2019			0.94 (J)			1.5		
3/6/2020								1.3
3/9/2020				1.5	1.2		1.5	
3/11/2020	1.4	2	0.6 (J)			1.4		
9/10/2020					1.2			1.2
9/11/2020							0.77 (J)	
9/15/2020	1.3	1.2	0.75 (J)					
9/16/2020				1.7				
3/10/2021							0.97 (J)	
3/11/2021								1.5
3/12/2021					1.2			
3/16/2021	1.3		0.73 (J)	1.3				
3/17/2021		1.4						
3/29/2021						1.5		
8/4/2021					1.1		0.82 (J)	1.2
8/6/2021				1.3				
8/9/2021	1.3	1.5	1.1			1.4		
1/31/2022					1		0.71 (J)	1
2/1/2022	1.2	1.4	0.77 (J)					
2/2/2022				1.5		1.9		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
3/10/2016								2.4266
3/11/2016		2.4984	1.2562	1.9467				
3/15/2016	6.1465 (o)							
3/28/2016						1.14	0.9204	
5/13/2016	3.08		1.32	2.14				
5/16/2016		2.22						
5/17/2016								2.01
5/23/2016						1.19		
5/25/2016							1.04	
7/19/2016			1.3	3.1				
7/21/2016	3.7							
7/22/2016		2.6						
7/27/2016								2.3
8/1/2016						1.2	0.85	
9/16/2016			1.2	3.5				
9/19/2016		2.5						
9/20/2016								2.2
9/21/2016	2.4							
9/26/2016						1.1	0.87	
11/2/2016			1.4	4.7				
11/3/2016	3.4	3						
11/4/2016								3
11/10/2016						1.3		
11/11/2016							0.99	
1/17/2017	1.9	2.9						
1/18/2017			1.2	4.9				
1/23/2017								2.5
1/30/2017						1.2	0.95	
2/22/2017					3.7 (D)			
3/27/2017	2.4	3						
3/28/2017			1.4	4.1				2.2
4/3/2017							0.88	
4/7/2017					2.5 (D)	1.2		
6/6/2017	4.5		1.4	3.6				
6/7/2017		3						
6/8/2017								2.3
6/12/2017						1.1	0.83	
6/14/2017					2.6 (D)			
7/12/2017					2.8 (D)			
7/20/2017					2.3 (D)			
7/28/2017					2 (D)			
8/9/2017					1.8 (D)			
8/24/2017					2.9 (D)			
9/22/2017			1.3	3.9				
9/25/2017	2.5							
9/26/2017		3.1						
9/29/2017								2.5
10/2/2017						1.2	0.94	
10/3/2017					2.8 (D)			
3/14/2018	4 (J)	3.2	1.3					
3/15/2018				2.8				2.6
3/16/2018						1.4	<1.5	

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005		
10/23/2007	<0.0005							
10/24/2007		<0.0005	<0.0005					
11/2/2007						<0.0005		
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005		
1/30/2008	<0.0005							
1/31/2008		<0.0005	<0.0005			<0.0005		
3/10/2008	<0.0005		<0.0005					
3/11/2008		<0.0005				<0.0005		
5/6/2008		0.000175						
5/13/2008	<0.0005		<0.0005					
5/14/2008						<0.0005		
12/4/2008		<0.0005	<0.0005					
12/5/2008	<0.0005					<0.0005		
4/15/2009	<0.0005					<0.0005		
4/21/2009		<0.0005	<0.0005					
10/7/2009	<0.0005	<0.0005						
10/8/2009			<0.0005			<0.0005		
4/21/2010			<0.0005					
4/26/2010		<0.0005						
4/28/2010						<0.0005		
5/3/2010	<0.0005							
9/28/2010			<0.0005					
10/4/2010		<0.0005						
10/6/2010						<0.0005		
10/12/2010	<0.0005							
4/12/2011			<0.0005					
4/13/2011		<0.0005						
4/21/2011						<0.0005		
4/27/2011	<0.0005							
10/4/2011			<0.0005					
10/5/2011		<0.0005						
10/13/2011						<0.0005		
10/17/2011	<0.0005							
4/3/2012			<0.0005					
4/11/2012		<0.0005						
5/1/2012						<0.0005		
5/2/2012	<0.0005							
10/8/2012	<0.0005							
10/9/2012		<0.0005	<0.0005			<0.0005		
4/11/2013			<0.0005			<0.0005		
4/12/2013	<0.0005							
4/15/2013		<0.0005						
10/15/2013		<0.0005						
10/16/2013	<0.0005		<0.0005			<0.0005		
4/10/2014			<0.0005					
4/11/2014	<0.0005							
4/22/2014		<0.0005						
4/23/2014						<0.0005		
9/30/2014	<0.0005	<0.0005	<0.0005					
10/4/2014						<0.0005		
3/30/2015	<0.0005	<0.0005	<0.0005					

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/31/2015						<0.0005		
10/12/2015						<0.0005		
10/13/2015	<0.0005	<0.0005	<0.0005					
3/14/2016					<0.0005			
3/15/2016							<0.0005	<0.0005
3/22/2016	<0.0005							
3/23/2016		<0.0005	<0.0005			<0.0005		
5/11/2016					<0.0005		<0.0005	
5/12/2016								<0.0005
5/16/2016				<0.0005 (D)				
5/19/2016	<0.0005		<0.0005					
5/20/2016		<0.0005						
5/23/2016						<0.0005		
7/19/2016					<0.0005			
7/20/2016								<0.0005
7/21/2016							<0.0005	
7/27/2016				<0.0005 (D)				
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005		
9/15/2016					<0.0005		<0.0005	<0.0005
9/22/2016			<0.0005			<0.0005		
9/23/2016	<0.0005	<0.0005						
11/2/2016					<0.0005			
11/3/2016							<0.0005	<0.0005
11/9/2016	<0.0005	<0.0005						
11/10/2016			<0.0005			<0.0005		
1/17/2017							<0.0005	
1/18/2017					<0.0005			<0.0005
1/30/2017	<0.0005							
1/31/2017		<0.0005	<0.0005			<0.0005		
2/21/2017				<0.0005				
3/24/2017							<0.0005	<0.0005
3/27/2017				<0.0005 (D)				
3/28/2017					<0.0005			
3/30/2017	<0.0005	<0.0005				<0.0005		
4/3/2017			<0.0005					
5/24/2017							<0.0005	
6/6/2017								<0.0005
6/7/2017					<0.0005			
6/8/2017				<0.0005 (D)				
6/9/2017	<0.0005		<0.0005					
6/12/2017		<0.0005				<0.0005		
7/17/2017				<0.0005 (D)				
7/27/2017				<0.0005				
8/9/2017				<0.0005				
9/25/2017								<0.0005
9/26/2017					<0.0005		<0.0005	
9/29/2017				<0.0005 (D)				
10/2/2017	<0.0005	<0.0005	<0.0005					
10/4/2017						<0.0005		
3/14/2018					<0.0005		<0.0005	<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005				
3/19/2018		<0.0005				<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/12/2018					<0.0005		3.8E-05 (J)	<0.0005
9/14/2018		<0.0005	<0.0005	4.1E-05 (J)				
9/17/2018	<0.0005 (D)					<0.0005		
3/13/2019							<0.0005	
3/14/2019				<0.0005				<0.0005
3/15/2019					<0.0005			
3/19/2019			<0.0005					
3/20/2019	<0.0005	<0.0005				<0.0005		
9/9/2019					<0.0005		<0.0005	
9/10/2019								<0.0005 (D)
9/12/2019	<0.0005	<0.0005 (D)						
9/13/2019			<0.0005			<0.0005		
3/6/2020								<0.0005
3/9/2020				<0.0005	<0.0005		<0.0005	
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005		
9/10/2020					<0.0005			<0.0005
9/11/2020							<0.0005	
9/15/2020	<0.0005	<0.0005	<0.0005					
9/16/2020				<0.0005				
3/10/2021							<0.0005	
3/11/2021								<0.0005
3/12/2021					<0.0005			
3/16/2021	<0.0005		<0.0005	<0.0005				
3/17/2021		<0.0005						
3/29/2021						<0.0005		
8/4/2021					0.00012 (J)		9.4E-05 (J)	9E-05 (J)
8/6/2021				<0.0005				
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005		
1/31/2022					<0.0005		<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005					
2/2/2022				<0.0005		<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
12/12/2008						<0.0005	<0.0005	
4/23/2009						<0.0005	<0.0005	
10/6/2009						<0.0005	<0.0005	
4/27/2010						<0.0005		
5/3/2010							<0.0005	
9/30/2010						<0.0005		
10/11/2010							<0.0005	
4/14/2011						<0.0005		
4/27/2011							<0.0005	
10/5/2011						<0.0005		
10/19/2011							<0.0005	
4/11/2012						<0.0005		
5/1/2012							<0.0005	
10/2/2012						<0.0005	<0.0005	
4/9/2013						<0.0005		
4/10/2013							<0.0005	
10/15/2013						<0.0005		
10/16/2013							<0.0005	
4/10/2014						<0.0005		
4/22/2014							<0.0005	
10/1/2014						<0.0005	<0.0005	
3/30/2015						2.02E-05 (J)	<0.0005	
10/11/2015						<0.0005	<0.0005	
3/10/2016								<0.0005
3/11/2016		<0.0005	<0.0005	<0.0005				
3/15/2016	<0.0005							
3/28/2016						<0.0005	<0.0005	
5/13/2016	<0.0005		<0.0005	<0.0005				
5/16/2016		<0.0005						
5/17/2016								<0.0005
5/23/2016						<0.0005		
5/25/2016							<0.0005	
7/19/2016			<0.0005	<0.0005				
7/21/2016	<0.0005							
7/22/2016		<0.0005						
7/27/2016								<0.0005
8/1/2016						<0.0005	<0.0005	
9/16/2016			<0.0005	<0.0005				
9/19/2016		<0.0005						
9/20/2016								<0.0005
9/21/2016	<0.0005							
9/26/2016						<0.0005	<0.0005	
11/2/2016			<0.0005	<0.0005				
11/3/2016	<0.0005	<0.0005						
11/4/2016								<0.0005
11/10/2016						<0.0005		
11/11/2016							<0.0005	
1/17/2017	<0.0005	<0.0005						
1/18/2017			<0.0005	<0.0005				
1/23/2017								<0.0005
1/30/2017						<0.0005	<0.0005	
2/22/2017					<0.0005			

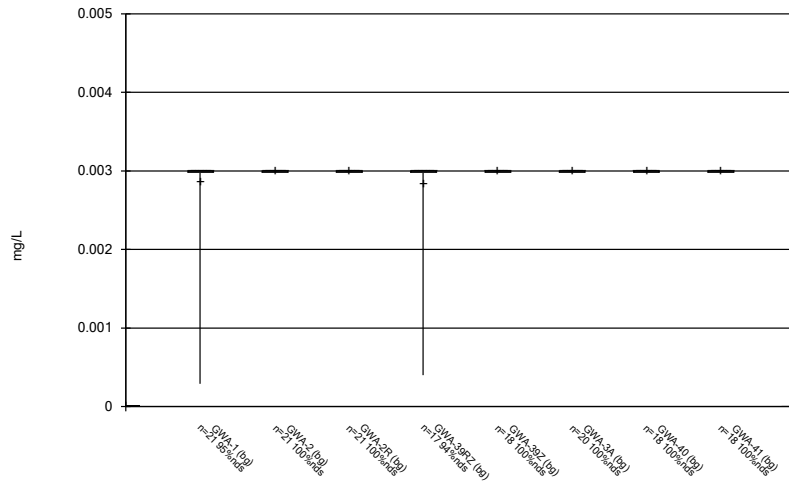
Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
3/27/2017	<0.0005	<0.0005						
3/28/2017			<0.0005	<0.0005				<0.0005
4/3/2017							<0.0005	
4/7/2017					<0.0005	<0.0005		
6/6/2017	<0.0005		<0.0005	<0.0005				
6/7/2017		<0.0005						
6/8/2017								<0.0005
6/12/2017						<0.0005	<0.0005	
6/14/2017					0.000161 (JD)			
7/12/2017					<0.0005 (D)			
7/20/2017					<0.0005 (D)			
7/28/2017					<0.0005			
8/9/2017					<0.0005			
8/24/2017					<0.0005			
9/22/2017			<0.0005	<0.0005				
9/25/2017	<0.0005							
9/26/2017		<0.0005						
9/29/2017								<0.0005
10/2/2017						<0.0005	<0.0005	
10/3/2017					<0.0005 (D)			
3/14/2018	<0.0005	<0.0005	<0.0005					
3/15/2018				<0.0005				<0.0005
3/16/2018						<0.0005	<0.0005	
3/21/2018					<0.0005			
9/12/2018	<0.0005		<0.0005	3.9E-05 (J)				
9/13/2018								6.2E-05 (J)
9/14/2018		3.8E-05 (J)						
9/17/2018						<0.0005		
9/18/2018					<0.0005		<0.0005	
3/13/2019			<0.0005	<0.0005				
3/14/2019	<0.0005	<0.0005						
3/15/2019								<0.0005
3/19/2019						<0.0005	<0.0005	
3/21/2019					<0.0005 (D)			
9/10/2019	<0.0005	<0.0005						
9/11/2019			<0.0005	<0.0005				<0.0005 (D)
9/12/2019					<0.0005 (D)		<0.0005	
9/13/2019						<0.0005		
3/6/2020		<0.0005						
3/9/2020	<0.0005		<0.0005	<0.0005				<0.0005
3/11/2020						<0.0005	<0.0005	
3/12/2020					<0.0005			
9/10/2020	<0.0005	<0.0005						
9/11/2020			<0.0005					
9/14/2020				<0.0005				0.00015 (J)
9/15/2020							<0.0005	
9/16/2020						<0.0005		
9/17/2020					<0.0005			
3/10/2021	<0.0005							
3/11/2021		<0.0005	<0.0005	<0.0005				0.0002 (J)
3/16/2021					<0.0005			
3/17/2021						<0.0005	<0.0005	

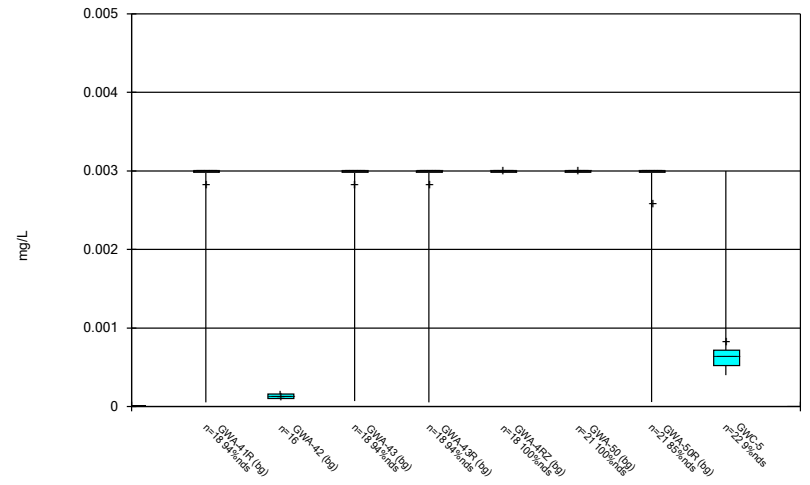
FIGURE T.

Box & Whiskers Plot



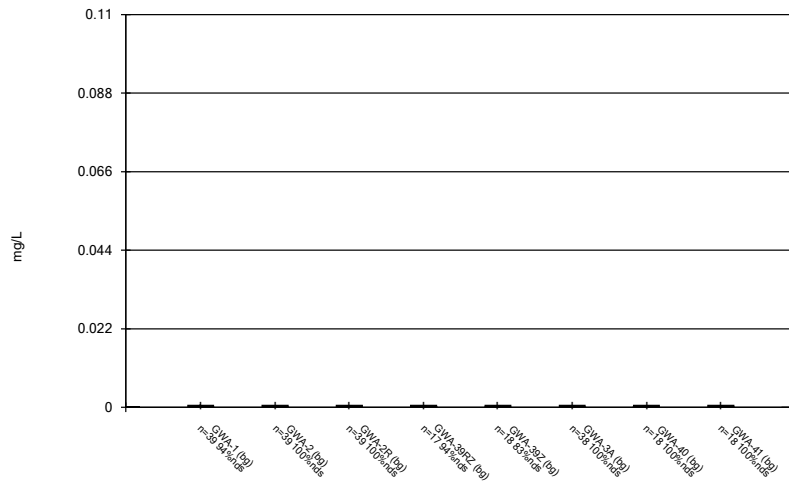
Constituent: Beryllium Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



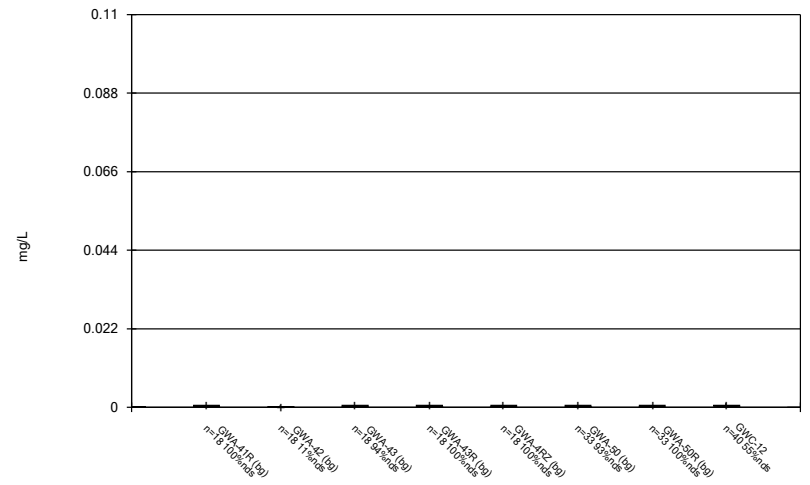
Constituent: Beryllium Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



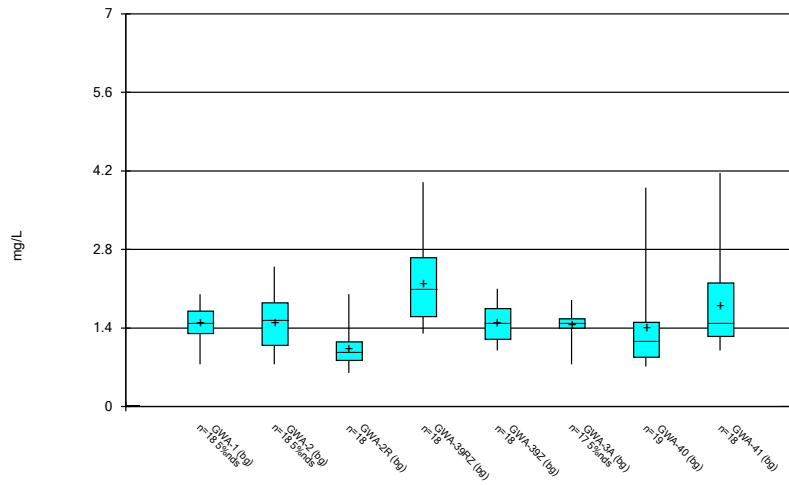
Constituent: Cadmium Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



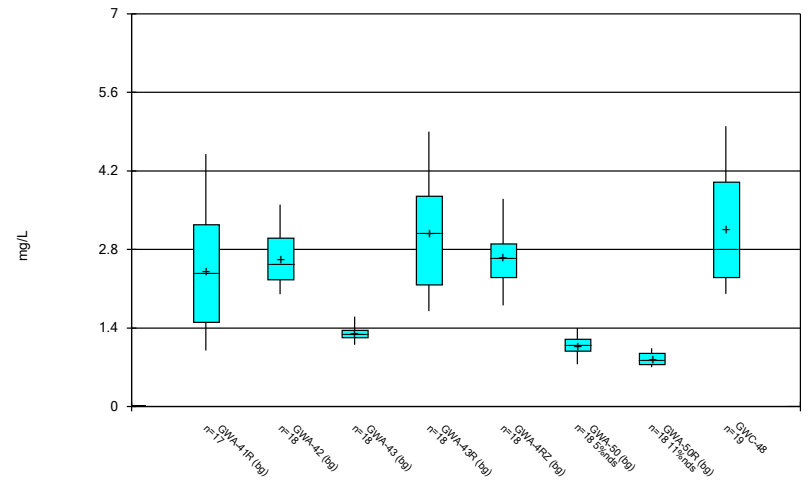
Constituent: Cadmium Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



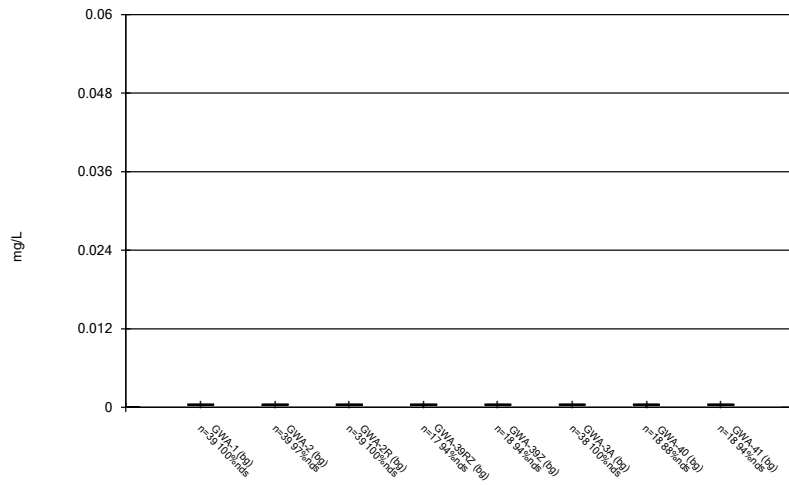
Constituent: Chloride, Total Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



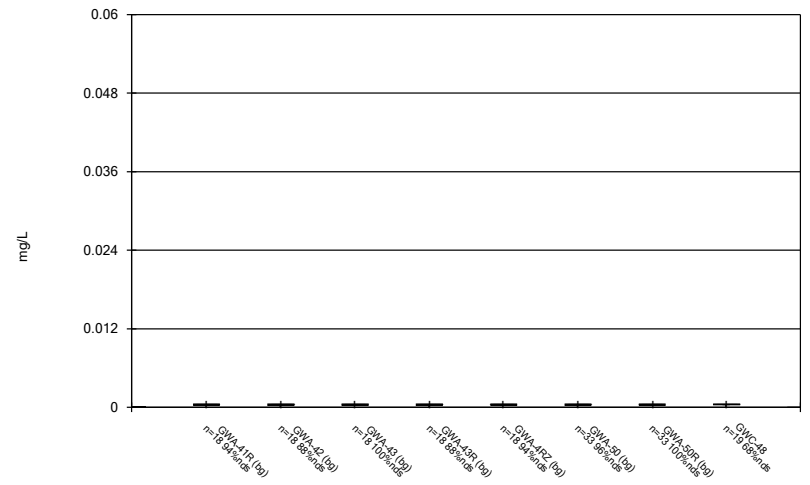
Constituent: Chloride, Total Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Mercury Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Mercury Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE U.

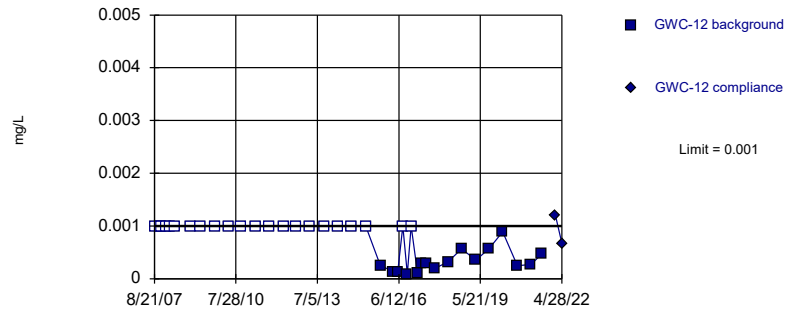
Appendix I Intrawell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:26 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-12	0.001	n/a	4/28/2022	0.00067	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/15/2022 4:25 PM View: Appendix I Intrawell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:26 PM View: Appendix I IntraWell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/16/2008	<0.001	
3/5/2008	<0.001	
5/13/2008	<0.001	
12/13/2008	<0.001	
4/16/2009	<0.001	
10/21/2009	<0.001	
4/27/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/12/2011	<0.001	
4/24/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/9/2013	<0.001	
4/1/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/14/2015	0.00025 (J)	
4/4/2016	0.000136 (J)	
5/27/2016	0.000131 (J)	
8/3/2016	<0.001	
9/30/2016	9E-05 (J)	
11/22/2016	<0.001	
2/13/2017	0.0001 (J)	
4/11/2017	0.0003 (J)	
6/14/2017	0.0003 (J)	
10/4/2017	0.0002 (J)	
3/22/2018	0.00032 (J)	
9/18/2018	0.00057 (J)	
3/23/2019	0.00035 (J)	
9/17/2019	0.000575 (JD)	
3/12/2020	0.00089 (J)	
9/21/2020	0.00025 (J)	
3/19/2021	0.00027 (J)	
8/11/2021	0.00048 (J)	
2/2/2022		0.0012
4/28/2022		0.00067

FIGURE V.

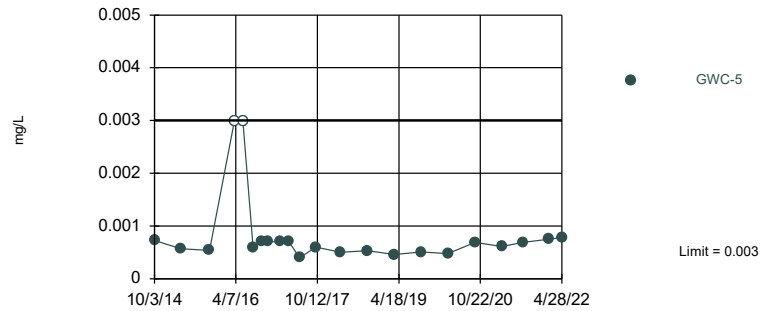
Appendix I Interwell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:06 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-5	0.003	n/a	4/28/2022	0.00078	No	284	n/a	n/a	91.55	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Mercury (mg/L)	GWC-48	0.0005	n/a	4/28/2022	0.0004	No	382	n/a	n/a	96.6	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
 Interwell Non-parametric

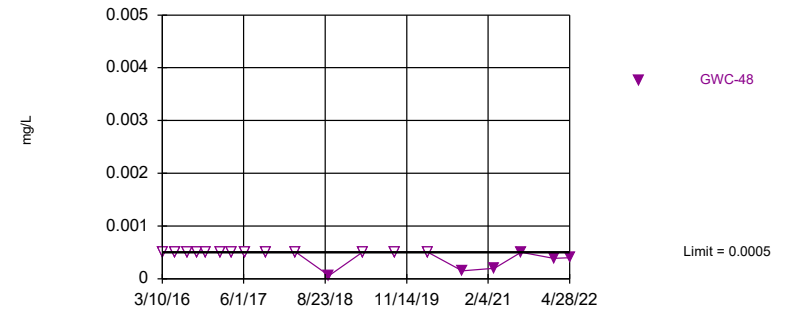


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 284 background values. 91.55% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Beryllium Analysis Run 9/15/2022 4:05 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 382 background values. 96.6% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Mercury Analysis Run 9/15/2022 4:05 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWA-3A (bg)	GWA-43 (bg)	GWA-43R (bg)
9/30/2014	<0.003	<0.003	<0.003						
10/1/2014				<0.003	<0.003				
10/3/2014						0.00073 (J)			
10/4/2014							<0.003		
3/30/2015	0.00029 (J)	<0.003	<0.003	0.0002 (J)	<0.003				
3/31/2015						0.00057 (J)	<0.003		
10/11/2015				<0.003	<0.003				
10/12/2015						0.00054 (J)	<0.003		
10/13/2015	<0.003	<0.003	<0.003						
3/11/2016								<0.003	<0.003
3/14/2016									
3/15/2016									
3/22/2016	<0.003								
3/23/2016		<0.003	<0.003				<0.003		
3/28/2016				<0.003	<0.003	<0.003			
5/11/2016									
5/12/2016									
5/13/2016								<0.003	<0.003
5/16/2016									
5/19/2016	<0.003		<0.003						
5/20/2016		<0.003							
5/23/2016					<0.003		<0.003		
5/25/2016				<0.003		<0.003			
7/19/2016							<0.003	<0.003	
7/20/2016									
7/21/2016									
7/22/2016									
7/27/2016									
7/29/2016	<0.003	<0.003	<0.003				<0.003		
8/1/2016				<0.003	<0.003	0.0006 (J)			
9/15/2016									
9/16/2016							<0.003	<0.003	
9/19/2016									
9/21/2016									
9/22/2016			<0.003				<0.003		
9/23/2016	<0.003	<0.003							
9/26/2016				<0.003	<0.003				
9/27/2016						0.0007 (J)			
11/2/2016							<0.003	<0.003	
11/3/2016									
11/9/2016	<0.003	<0.003							
11/10/2016			<0.003		<0.003		<0.003		
11/11/2016				<0.003		0.0007 (J)			
1/17/2017									
1/18/2017							<0.003	<0.003	
1/30/2017	<0.003			<0.003	<0.003				
1/31/2017		<0.003	<0.003			0.0007 (J)	<0.003		
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017							<0.003	<0.003	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWA-3A (bg)	GWA-43 (bg)	GWA-43R (bg)
3/30/2017	<0.003	<0.003					<0.003		
4/3/2017			<0.003	<0.003		0.0007 (J)			
4/7/2017					<0.003				
5/24/2017									
6/6/2017								<0.003	<0.003
6/7/2017									
6/8/2017									
6/9/2017	<0.003		<0.003						
6/12/2017		<0.003		<0.003	<0.003	0.0004 (J)	<0.003		
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017								<0.003	<0.003
9/25/2017									
9/26/2017									
9/29/2017									
10/2/2017	<0.003	<0.003	<0.003	<0.003	<0.003				
10/3/2017						0.0006 (J)			
10/4/2017							<0.003		
3/14/2018								<0.003	
3/15/2018									5.1E-05 (J)
3/16/2018	<0.003		<0.003	<0.003	<0.003				
3/19/2018		<0.003				0.0005 (J)	<0.003		
3/21/2018									
9/12/2018								<0.003	<0.003
9/14/2018		<0.003	<0.003						
9/17/2018	<0.003 (D)				<0.003	0.00053 (J)	<0.003		
9/18/2018				<0.003					
3/13/2019								<0.003	<0.003
3/14/2019									
3/15/2019									
3/19/2019			<0.003	<0.003	<0.003				
3/20/2019	<0.003	<0.003				0.00046 (J)	<0.003		
3/21/2019									
9/9/2019									
9/10/2019									
9/11/2019								<0.003	<0.003
9/12/2019	<0.003	<0.003 (D)		<0.003					
9/13/2019			<0.003		<0.003		<0.003		
9/16/2019						0.00051 (J)			
3/6/2020									
3/9/2020								<0.003	<0.003
3/11/2020	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003		
3/12/2020									
3/16/2020						0.00048 (J)			
9/10/2020									
9/11/2020								6.9E-05 (J)	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWA-3A (bg)	GWA-43 (bg)	GWA-43R (bg)
9/14/2020									<0.003
9/15/2020	<0.003	<0.003	<0.003	8.5E-05 (J)					
9/16/2020					<0.003	0.00069 (J)			
9/17/2020									
3/10/2021									
3/11/2021								<0.003	<0.003
3/12/2021									
3/16/2021	<0.003		<0.003						
3/17/2021		<0.003		<0.003	<0.003	0.00061			
3/29/2021							<0.003		
8/4/2021									
8/5/2021									<0.003
8/6/2021								<0.003	
8/9/2021	<0.003	<0.003	<0.003	<0.003	<0.003	0.00069	<0.003		
8/10/2021									
1/31/2022								<0.003	<0.003
2/1/2022	<0.003	<0.003	<0.003		<0.003				
2/2/2022				5.5E-05 (J)		0.00075	<0.003		
2/3/2022									
4/28/2022						0.00078			

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-39RZ (bg)	GWA-42 (bg)	GWA-4RZ (bg)
9/30/2014							
10/1/2014							
10/3/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/11/2016						<0.005 (O)	
3/14/2016	<0.003						
3/15/2016		<0.003	<0.003	<0.003			
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016	<0.003	<0.003					
5/12/2016				<0.003			
5/13/2016			<0.003				
5/16/2016					<0.003 (D)	<0.003 (O)	
5/19/2016							
5/20/2016							
5/23/2016							
5/25/2016							
7/19/2016	<0.003						
7/20/2016				<0.003			
7/21/2016		<0.003	<0.003				
7/22/2016						0.0002 (J)	
7/27/2016					0.0004 (JD)		
7/29/2016							
8/1/2016							
9/15/2016	<0.003	<0.003		<0.003			
9/16/2016							
9/19/2016						0.0001 (J)	
9/21/2016			<0.003				
9/22/2016							
9/23/2016							
9/26/2016							
9/27/2016							
11/2/2016	<0.003						
11/3/2016		<0.003	<0.003	<0.003		0.0002 (J)	
11/9/2016							
11/10/2016							
11/11/2016							
1/17/2017		<0.003	<0.003			0.0001 (J)	
1/18/2017	<0.003			<0.003			
1/30/2017							
1/31/2017							
2/21/2017					<0.003		
2/22/2017							<0.003
3/24/2017		<0.003		<0.003			
3/27/2017			<0.003		<0.003 (D)	0.0001 (J)	
3/28/2017	<0.003						

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-39RZ (bg)	GWA-42 (bg)	GWA-4RZ (bg)
3/30/2017							
4/3/2017							
4/7/2017							<0.003
5/24/2017		<0.003					
6/6/2017			<0.003	<0.003			
6/7/2017	<0.003					0.0001 (J)	
6/8/2017					<0.003 (D)		
6/9/2017							
6/12/2017							
6/14/2017							<0.003 (D)
7/12/2017							<0.003 (D)
7/17/2017					<0.003 (D)		
7/20/2017							<0.003 (D)
7/27/2017					<0.003		
7/28/2017							<0.003
8/9/2017					<0.003		<0.003
8/24/2017							<0.003
9/22/2017							
9/25/2017			<0.003	<0.003			
9/26/2017	<0.003	<0.003				0.0001 (J)	
9/29/2017					<0.003 (D)		
10/2/2017							
10/3/2017							<0.003 (D)
10/4/2017							
3/14/2018	<0.003	<0.003	<0.003	<0.003		0.00014 (J)	
3/15/2018							
3/16/2018					<0.003		
3/19/2018							
3/21/2018							<0.003
9/12/2018	<0.003	<0.003	<0.003	<0.003			
9/14/2018					<0.003	0.00012 (J)	
9/17/2018							
9/18/2018							<0.003
3/13/2019		<0.003					
3/14/2019			5.2E-05 (J)	<0.003	<0.003	0.00017 (J)	
3/15/2019	<0.003						
3/19/2019							
3/20/2019							
3/21/2019							<0.003 (D)
9/9/2019	<0.003	<0.003					
9/10/2019			<0.003	<0.003 (D)		0.00015 (J)	
9/11/2019							
9/12/2019							<0.003 (D)
9/13/2019							
9/16/2019							
3/6/2020				<0.003		0.00017 (J)	
3/9/2020	<0.003	<0.003	<0.003		<0.003		
3/11/2020							
3/12/2020							<0.003
3/16/2020							
9/10/2020	<0.003		<0.003	<0.003		0.00014 (J)	
9/11/2020		<0.003					

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-39RZ (bg)	GWA-42 (bg)	GWA-4RZ (bg)
9/14/2020							
9/15/2020							
9/16/2020					<0.003		
9/17/2020							<0.003
3/10/2021		<0.003	<0.003				
3/11/2021				<0.003		0.00015 (J)	
3/12/2021	<0.003						
3/16/2021					<0.003		<0.003
3/17/2021							
3/29/2021							
8/4/2021	<0.003	<0.003	<0.003	<0.003		0.00012 (J)	
8/5/2021							
8/6/2021					<0.003		
8/9/2021							
8/10/2021							<0.003
1/31/2022	<0.003	<0.003	<0.003	<0.003		0.00014 (J)	
2/1/2022							
2/2/2022					<0.003		
2/3/2022							<0.003
4/28/2022							

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48	GWA-42 (bg)	GWA-43 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005	<0.0005					
10/23/2007	<0.0005								
10/24/2007			<0.0005	<0.0005					
11/2/2007		<0.0005							
11/18/2007	<0.0005	<0.0005	<0.0005	<0.0005					
1/30/2008	<0.0005								
1/31/2008		<0.0005	<0.0005	<0.0005					
3/10/2008	<0.0005		<0.0005						
3/11/2008		<0.0005		<0.0005					
5/6/2008				0.000175					
5/13/2008	<0.0005		<0.0005						
5/14/2008		<0.0005							
12/4/2008			<0.0005	<0.0005					
12/5/2008	<0.0005	<0.0005							
12/12/2008					<0.0005	<0.0005			
4/15/2009	<0.0005	<0.0005							
4/21/2009			<0.0005	<0.0005					
4/23/2009					<0.0005	<0.0005			
10/6/2009					<0.0005	<0.0005			
10/7/2009	<0.0005			<0.0005					
10/8/2009		<0.0005	<0.0005						
4/21/2010			<0.0005						
4/26/2010				<0.0005					
4/27/2010					<0.0005				
4/28/2010		<0.0005							
5/3/2010	<0.0005							<0.0005	
9/28/2010			<0.0005						
9/30/2010					<0.0005				
10/4/2010				<0.0005					
10/6/2010		<0.0005							
10/11/2010								<0.0005	
10/12/2010	<0.0005								
4/12/2011			<0.0005						
4/13/2011				<0.0005					
4/14/2011					<0.0005				
4/21/2011		<0.0005							
4/27/2011	<0.0005							<0.0005	
10/4/2011			<0.0005						
10/5/2011				<0.0005	<0.0005				
10/13/2011		<0.0005							
10/17/2011	<0.0005								
10/19/2011								<0.0005	
4/3/2012			<0.0005						
4/11/2012				<0.0005	<0.0005				
5/1/2012		<0.0005						<0.0005	
5/2/2012	<0.0005								
10/2/2012					<0.0005	<0.0005			
10/8/2012	<0.0005								
10/9/2012		<0.0005	<0.0005	<0.0005					
4/9/2013					<0.0005				
4/10/2013								<0.0005	
4/11/2013		<0.0005	<0.0005						

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48	GWA-42 (bg)	GWA-43 (bg)
4/12/2013	<0.0005								
4/15/2013				<0.0005					
10/15/2013				<0.0005	<0.0005				
10/16/2013	<0.0005	<0.0005	<0.0005			<0.0005			
4/10/2014			<0.0005		<0.0005				
4/11/2014	<0.0005								
4/22/2014				<0.0005		<0.0005			
4/23/2014		<0.0005							
9/30/2014	<0.0005		<0.0005	<0.0005					
10/1/2014					<0.0005	<0.0005			
10/4/2014		<0.0005							
3/30/2015	<0.0005		<0.0005	<0.0005	2.02E-05 (J)	<0.0005			
3/31/2015		<0.0005							
10/11/2015					<0.0005	<0.0005			
10/12/2015		<0.0005							
10/13/2015	<0.0005		<0.0005	<0.0005					
3/10/2016							<0.0005		
3/11/2016								<0.0005	<0.0005
3/14/2016									
3/15/2016									
3/22/2016	<0.0005								
3/23/2016		<0.0005	<0.0005	<0.0005					
3/28/2016					<0.0005	<0.0005			
5/11/2016									
5/12/2016									
5/13/2016									<0.0005
5/16/2016								<0.0005	
5/17/2016							<0.0005		
5/19/2016	<0.0005		<0.0005						
5/20/2016				<0.0005					
5/23/2016		<0.0005			<0.0005				
5/25/2016						<0.0005			
7/19/2016									<0.0005
7/20/2016									
7/21/2016									
7/22/2016								<0.0005	
7/27/2016							<0.0005		
7/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
8/1/2016					<0.0005	<0.0005			
9/15/2016									
9/16/2016									<0.0005
9/19/2016								<0.0005	
9/20/2016							<0.0005		
9/21/2016									
9/22/2016		<0.0005	<0.0005						
9/23/2016	<0.0005			<0.0005					
9/26/2016					<0.0005	<0.0005			
11/2/2016									<0.0005
11/3/2016								<0.0005	
11/4/2016							<0.0005		
11/9/2016	<0.0005			<0.0005					
11/10/2016		<0.0005	<0.0005		<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48	GWA-42 (bg)	GWA-43 (bg)
9/10/2019								<0.0005	
9/11/2019							<0.0005 (D)		<0.0005
9/12/2019	<0.0005			<0.0005 (D)		<0.0005			
9/13/2019		<0.0005	<0.0005		<0.0005				
3/6/2020								<0.0005	
3/9/2020							<0.0005		<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
3/12/2020									
9/10/2020								<0.0005	
9/11/2020									<0.0005
9/14/2020							0.00015 (J)		
9/15/2020	<0.0005		<0.0005	<0.0005		<0.0005			
9/16/2020					<0.0005				
9/17/2020									
3/10/2021									
3/11/2021							0.0002 (J)	<0.0005	<0.0005
3/12/2021									
3/16/2021	<0.0005		<0.0005						
3/17/2021				<0.0005	<0.0005	<0.0005			
3/29/2021		<0.0005							
8/4/2021							0.0005	8E-05 (J)	
8/5/2021									
8/6/2021									<0.0005
8/9/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
8/10/2021									
1/31/2022							0.00039	<0.0005	<0.0005
2/1/2022	<0.0005		<0.0005	<0.0005	<0.0005				
2/2/2022		<0.0005				<0.0005			
2/3/2022									
4/28/2022							0.0004		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-43R (bg) GWA-39Z (bg) GWA-41 (bg) GWA-41R (bg) GWA-40 (bg) GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/10/2016							
3/11/2016	<0.0005						
3/14/2016		<0.0005					
3/15/2016			<0.0005	<0.0005	<0.0005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016		<0.0005			<0.0005		
5/12/2016			<0.0005				
5/13/2016	<0.0005			<0.0005			
5/16/2016						<0.0005 (D)	
5/17/2016							
5/19/2016							
5/20/2016							
5/23/2016							
5/25/2016							
7/19/2016	<0.0005	<0.0005					
7/20/2016			<0.0005				
7/21/2016				<0.0005	<0.0005		
7/22/2016							
7/27/2016						<0.0005 (D)	
7/29/2016							
8/1/2016							
9/15/2016		<0.0005	<0.0005		<0.0005		
9/16/2016	<0.0005						
9/19/2016							
9/20/2016							
9/21/2016				<0.0005			
9/22/2016							
9/23/2016							
9/26/2016							
11/2/2016	<0.0005	<0.0005					
11/3/2016			<0.0005	<0.0005	<0.0005		
11/4/2016							
11/9/2016							
11/10/2016							

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
11/11/2016							
1/17/2017				<0.0005	<0.0005		
1/18/2017	<0.0005	<0.0005	<0.0005				
1/23/2017							
1/30/2017							
1/31/2017							
2/21/2017						<0.0005	
2/22/2017							<0.0005
3/24/2017			<0.0005		<0.0005		
3/27/2017				<0.0005		<0.0005 (D)	
3/28/2017	<0.0005	<0.0005					
3/30/2017							
4/3/2017							
4/7/2017							<0.0005
5/24/2017					<0.0005		
6/6/2017	<0.0005		<0.0005	<0.0005			
6/7/2017		<0.0005					
6/8/2017						<0.0005 (D)	
6/9/2017							
6/12/2017							
6/14/2017							0.000286 (JD)
7/12/2017							<0.0005 (D)
7/17/2017						<0.0005 (D)	
7/20/2017							<0.0005 (D)
7/27/2017						<0.0005	
7/28/2017							<0.0005
8/9/2017						<0.0005	<0.0005
8/24/2017							<0.0005
9/22/2017	<0.0005						
9/25/2017			<0.0005	<0.0005			
9/26/2017		<0.0005			<0.0005		
9/29/2017						<0.0005 (D)	
10/2/2017							
10/3/2017							<0.0005 (D)
10/4/2017							
3/14/2018		<0.0005	<0.0005	<0.0005	<0.0005		
3/15/2018	<0.0005						
3/16/2018						<0.0005	
3/19/2018							
3/21/2018							<0.0005
9/12/2018	3.9E-05 (J)	<0.0005	<0.0005	<0.0005	3.8E-05 (J)		
9/13/2018							
9/14/2018						4.1E-05 (J)	
9/17/2018							
9/18/2018							<0.0005
3/13/2019	<0.0005				<0.0005		
3/14/2019			<0.0005	<0.0005		<0.0005	
3/15/2019		<0.0005					
3/19/2019							
3/20/2019							
3/21/2019							<0.0005 (D)
9/9/2019		<0.0005			<0.0005		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
9/10/2019			<0.0005 (D)	<0.0005			
9/11/2019	<0.0005						
9/12/2019							<0.0005 (D)
9/13/2019							
3/6/2020			<0.0005				
3/9/2020	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	
3/11/2020							
3/12/2020							<0.0005
9/10/2020		<0.0005	<0.0005	<0.0005			
9/11/2020					<0.0005		
9/14/2020	<0.0005						
9/15/2020							
9/16/2020						<0.0005	
9/17/2020							<0.0005
3/10/2021				<0.0005	<0.0005		
3/11/2021	<0.0005		<0.0005				
3/12/2021		<0.0005					
3/16/2021						<0.0005	<0.0005
3/17/2021							
3/29/2021							
8/4/2021		0.00012 (J)	9E-05 (J)	9.4E-05 (J)	9.4E-05 (J)		
8/5/2021	9.6E-05 (J)						
8/6/2021						<0.0005	
8/9/2021							
8/10/2021							<0.0005
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
2/1/2022							
2/2/2022						<0.0005	
2/3/2022							<0.0005
4/28/2022							

FIGURE W.

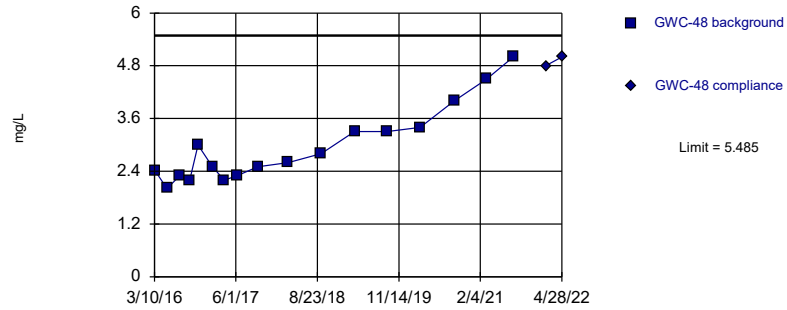
Appendix III Intrawell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.485	n/a	4/28/2022	5	No	17	1.705	0.2373	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.705, Std. Dev.=0.2373, n=17. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8997, critical = 0.892. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

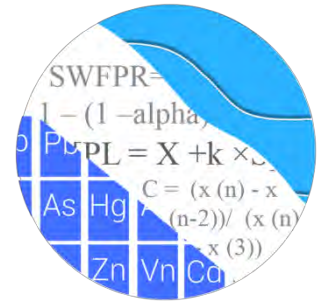
Constituent: Chloride, Total Analysis Run 9/15/2022 4:07 PM View: Appendix III Intrawell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/15/2022 4:08 PM View: Appendix III Intrawell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	2.4266	
5/17/2016	2.01	
7/27/2016	2.3	
9/20/2016	2.2	
11/4/2016	3	
1/23/2017	2.5	
3/28/2017	2.2	
6/8/2017	2.3	
9/29/2017	2.5	
3/15/2018	2.6	
9/13/2018	2.8	
3/15/2019	3.3	
9/11/2019	3.3	
3/9/2020	3.4	
9/14/2020	4	
3/11/2021	4.5	
8/4/2021	5	
1/31/2022		4.8
4/28/2022		5

GROUNDWATER STATS CONSULTING



October 24, 2022

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd. NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Bowen Landfill Cells 1, 2, 9, and 10
Addendum – February 2022 Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the addendum report for the February 2022 sample event for Georgia Power Company's Plant Bowen Landfill Cells 1, 2, 9, and 10. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-1, GWA-2, GWA-2R, GWA-3A GWA-4RZ, GWA-39RZ, GWA-39Z, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43, GWA-43R, GWA-50R, and GWA-50
- **Downgradient wells:** GWC-5, GWC-6, GWC-6RZ, GWC-7Z, GWC-8RR, GWC-8Z, GWC-9, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-12, GWC-13, GWC-13RZ, GWC-14Z, GWC-15R, GWC-15Z, GWC-44, GWC-45, GWC-45R, GWC-46R, GWC-47, GWC-47R, GWC-48, GWC-49R, and GWC-49Z

Note that well GWA-3 was replaced with GWA-3A, which was first sampled in March 2021. As requested, data from well GWA-3 have been combined with data from replacement well GWA-3A.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by and Kristina Rayner, Founder and Senior Statistician to Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The following constituents are evaluated:

- **CCR Appendix III:** chloride and pH

Note that the terms “parameters” and “constituents” are interchangeable throughout this report.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves are provided to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. A few well/constituent pairs have a limited background data set with a minimum of 11 observations due either to sampling or truncation of background date ranges. As more samples are collected, these well/constituent pairs will meet the minimum power requirements. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (chloride and pH)
- # Constituents: 7
- # Downgradient wells: 26

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of

data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects.
- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs. impact to groundwater quality downgradient of the facility.

Evaluation of CCR Appendix III Parameters – January/February 2022

Interwell Prediction Limits

For chloride and pH, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through January/February 2022. Nonparametric prediction limits were constructed as the background data for chloride and pH did not follow a normal or transformed-normal distributed when tested using the Chi-Squared normality test. Results and a summary table follow this report. The January/February 2022 sample from each downgradient well was compared to the background limit to determine whether exceedances over background are present. Exceedances were identified for the following downgradient well/constituent pairs:

- Chloride: GWC-13RZ
- pH (upper limit): GWC-8RR and GWC-8Z
- pH (lower limit): GWC-9, GWC-44, GWC-45, GWC-48, and GWC-49Z

Summary

Based on the results of the Appendix III constituents requiring interwell prediction limits, the following apparent exceedances were identified:

Appendix III Interwell

- Chloride: GWC-13RZ
- pH (upper limit): GWC-8RR and GWC-8Z
- pH (lower limit): GWC-9, GWC-44, GWC-45, GWC-48, and GWC-49Z

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill Cells 1, 2, 9 and 10. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

Appendix III Interwell Prediction Limit - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 10/20/2022, 12:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-13RZ	4.9	n/a	2/4/2022	6.1	Yes	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	5.07	1/31/2022	4.78	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	5.07	2/1/2022	4.88	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	5.07	1/31/2022	4.86	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49Z	8.04	5.07	2/1/2022	5	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8RR	8.04	5.07	2/2/2022	8.13	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8Z	8.04	5.07	2/2/2022	8.92	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	5.07	2/2/2022	4.81	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

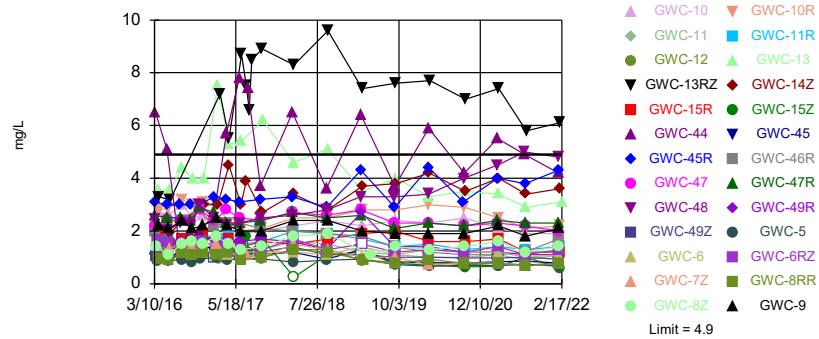
Appendix III Interwell Prediction Limit - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 10/20/2022, 12:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-10	4.9	n/a	2/4/2022	1.9	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10R	4.9	n/a	2/4/2022	2.2	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	4.9	n/a	2/4/2022	1.1	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11R	4.9	n/a	2/4/2022	1.4	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-12	4.9	n/a	2/2/2022	0.79J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13	4.9	n/a	2/17/2022	3.1	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13RZ	4.9	n/a	2/4/2022	6.1	Yes	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14Z	4.9	n/a	2/4/2022	3.6	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15R	4.9	n/a	2/4/2022	1.2	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15Z	4.9	n/a	2/7/2022	0.6J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-44	4.9	n/a	1/31/2022	4.2	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45	4.9	n/a	2/1/2022	0.79J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45R	4.9	n/a	2/1/2022	4.3	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-46R	4.9	n/a	1/31/2022	1.7	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47	4.9	n/a	2/1/2022	2	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47R	4.9	n/a	2/1/2022	2.3	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-48	4.9	n/a	1/31/2022	4.8	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49R	4.9	n/a	2/1/2022	1.1	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49Z	4.9	n/a	2/1/2022	0.93J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-5	4.9	n/a	2/2/2022	0.66J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6	4.9	n/a	2/2/2022	1.1	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6RZ	4.9	n/a	2/2/2022	1.3	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7Z	4.9	n/a	2/2/2022	0.76J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8RR	4.9	n/a	2/2/2022	0.77J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8Z	4.9	n/a	2/2/2022	1.4	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-9	4.9	n/a	2/2/2022	2.1	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10	8.04	5.07	2/4/2022	6.53	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10R	8.04	5.07	2/4/2022	7.69	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11	8.04	5.07	2/4/2022	7.2	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11R	8.04	5.07	2/4/2022	7.58	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-12	8.04	5.07	2/2/2022	6.35	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	5.07	2/17/2022	7.24	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13RZ	8.04	5.07	2/4/2022	7.46	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-14Z	8.04	5.07	2/4/2022	6.06	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15R	8.04	5.07	2/4/2022	7.61	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15Z	8.04	5.07	2/7/2022	7.83	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	5.07	1/31/2022	4.78	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	5.07	2/1/2022	4.88	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45R	8.04	5.07	2/1/2022	7.15	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-46R	8.04	5.07	1/31/2022	7.48	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47	8.04	5.07	2/1/2022	7.55	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47R	8.04	5.07	2/1/2022	7.54	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	5.07	1/31/2022	4.86	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49R	8.04	5.07	2/1/2022	7.63	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49Z	8.04	5.07	2/1/2022	5	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-5	8.04	5.07	2/2/2022	5.9	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6	8.04	5.07	2/2/2022	7.4	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6RZ	8.04	5.07	2/2/2022	6.8	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-7Z	8.04	5.07	2/2/2022	7.54	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8RR	8.04	5.07	2/2/2022	8.13	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8Z	8.04	5.07	2/2/2022	8.92	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	5.07	2/2/2022	4.81	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Exceeds Limit: GWC-13RZ

Prediction Limit
 Interwell Non-parametric

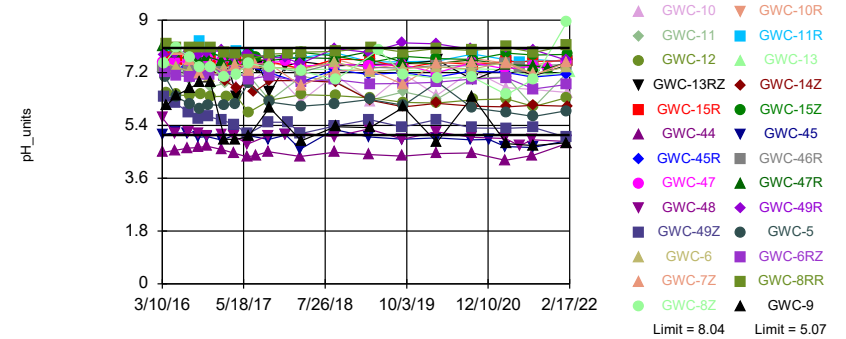


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 269 background values. 2.23% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Chloride, Total Analysis Run 10/20/2022 12:05 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limits: GWC-44, GWC-45, GWC-48, GWC-49Z, GWC-8RR, GWC-8Z, GWC-9

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 280 background values. Annual per-constituent alpha = 0.005086. Individual comparison alpha = 0.00009793 (1 of 2). Comparing 26 points to limit.

Constituent: pH Analysis Run 10/20/2022 12:05 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWC-45	GWC-45R	GWC-44	GWC-49R	GWC-49Z	GWC-8Z	GWA-1 (bg)	GWA-2 (bg)
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016	1.1671								
3/16/2016		0.9445 (D)	3.0774 (D)	6.505					
3/17/2016					1.4476	1.0624			
3/22/2016							1.4231	1.5101	
3/23/2016									2.4904
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016	0.8763								
5/12/2016									
5/13/2016									
5/16/2016		0.9104 (D)	3 (D)	5.08					
5/17/2016									
5/18/2016					1.43	1.41			
5/19/2016								1.5	
5/20/2016									1.71
5/23/2016									
5/24/2016									
5/25/2016							1.11		
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016	1.4								
7/22/2016									
7/25/2016		1.2 (D)	3 (D)	1.2					
7/26/2016									
7/27/2016					1.6				
7/28/2016						1.4			
7/29/2016								1.7	2
8/1/2016									
8/2/2016							1.5		
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016	1.1	1.1 (D)	3 (D)	1.9					
9/20/2016									
9/21/2016					1.6	1.2			
9/22/2016									
9/23/2016								1.8	1.8
9/26/2016							1.6		

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWC-45	GWC-45R	GWC-44	GWC-49R	GWC-49Z	GWC-8Z	GWA-1 (bg)	GWA-2 (bg)
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016	1.2		3 (D)	2					
11/4/2016		1 (D)			1.6				
11/7/2016						1.4			
11/9/2016								2	1.6
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016							1.5		
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017	1								
1/18/2017									
1/19/2017				2.6					
1/20/2017			3.3 (D)						
1/23/2017		1.2 (D)							
1/24/2017					1.7	<0.99 (*)			
1/30/2017								1.5	
1/31/2017									1.3
2/1/2017									
2/3/2017							1.8		
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017	1.2								
3/27/2017									
3/28/2017				5.7					
3/29/2017		1.1 (D)	3.2 (D)		1.6				
3/30/2017						1.2		1.8	1.6
4/3/2017									
4/6/2017									
4/7/2017							1.5		
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017	1.5								
6/5/2017				7.8					
6/6/2017									
6/7/2017		1	3.1						
6/8/2017					1.6				
6/9/2017						1.1		1.6	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWC-5	GWA-50R (bg)	GWC-6RZ	GWC-6	GWC-9	GWC-8RR
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	1.6092	0.9079							
3/28/2016			1.14	0.8659	0.9204				
3/29/2016						1.6645	1.3977		
3/30/2016								2.21	0.9409
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016		0.9136							
5/20/2016									
5/23/2016	1.52		1.19						
5/24/2016						1.58	1.33		0.92
5/25/2016				0.8639	1.04				
5/26/2016								2.1	
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	1.5	1.1							
8/1/2016			1.2	0.93	0.85	1.4	1.2		
8/2/2016									1.2
8/3/2016									
8/4/2016									
8/5/2016								2.4	
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016	1.4	1							
9/23/2016									
9/26/2016			1.1		0.87	1.4	1.1		

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWC-5	GWA-50R (bg)	GWC-6RZ	GWC-6	GWC-9	GWC-8RR
9/27/2016				0.8					1.1
9/28/2016								2.1	
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016	1.6	1.2	1.3						
11/11/2016				0.95	0.99				
11/14/2016						1.6			
11/18/2016							1.2		
11/21/2016								2.2	
11/22/2016									1.2
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017			1.2		0.95				
1/31/2017	1.6	1.2		0.99					
2/1/2017						1.4	1.3		
2/3/2017									
2/6/2017								2.5	1.1
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	1.4								
4/3/2017		0.99		0.93	0.88				
4/6/2017						1.5	1.1	2.2	1.2
4/7/2017			1.2						
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017		0.87							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10	GWC-13	GWC-11R	GWC-11	GWC-12	GWC-13RZ	GWC-14Z	GWC-15Z
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019	2.8	2.4		1.4	1.1	0.835 (JD)		3.8	0.78 (X)
9/18/2019			4				7.6		
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020									
3/12/2020	3	2.3		1.5	1	0.84 (J)			
3/13/2020			3.3					4.2	0.7 (J)
3/16/2020									
3/17/2020							7.7		
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020									
9/16/2020									
9/17/2020	2.9	2.5							
9/21/2020				1.3	1	0.71 (J)		3.5	0.64 (J)
9/22/2020			3.5				7		
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021	2.5	2.1	3.4					4	0.67 (J)
3/19/2021				1.4	1.1	0.79 (J)	7.4		
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021									
8/10/2021		1.9							
8/11/2021	2.1		2.9	1.3	0.9 (J)	0.72 (J)		3.4	<1
8/12/2021							5.8		
1/31/2022									
2/1/2022									
2/2/2022						0.79 (J)			
2/3/2022									
2/4/2022	2.2	1.9		1.4	1.1		6.1	3.6	
2/7/2022									0.6 (J)
2/17/2022			3.1						

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWA-41R (bg)	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016		6.1465 (o)			
3/16/2016					
3/17/2016					
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016	2.08				
5/11/2016					
5/12/2016					
5/13/2016		3.08			
5/16/2016			1.74 (D)		
5/17/2016					
5/18/2016					
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016	1.51			1.33	
6/1/2016					
7/19/2016					
7/20/2016					
7/21/2016		3.7			
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016			2.1 (D)		
7/28/2016					
7/29/2016					
8/1/2016					
8/2/2016				1.5	
8/3/2016					
8/4/2016	1.7				
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016		2.4			
9/22/2016					
9/23/2016					
9/26/2016					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWA-41R (bg)	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
9/27/2016				1.4	
9/28/2016					
9/29/2016	1.5				
9/30/2016					
11/2/2016					
11/3/2016		3.4			
11/4/2016					
11/7/2016					
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				1.5	
11/22/2016					
11/23/2016	1.9				
11/28/2016					
1/17/2017		1.9			
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017					
1/30/2017					
1/31/2017					
2/1/2017				1.5	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017					
2/10/2017	1.5				
2/13/2017					
2/21/2017			4 (D)		
2/22/2017					3.7 (D)
3/24/2017					
3/27/2017		2.4	2.6 (D)		
3/28/2017					
3/29/2017					
3/30/2017					
4/3/2017					
4/6/2017				1.2	
4/7/2017					2.5 (D)
4/10/2017					
4/11/2017					
4/12/2017	1.7				
5/24/2017					
6/5/2017					
6/6/2017		4.5			
6/7/2017					
6/8/2017			2.1 (D)		
6/9/2017					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWA-41R (bg)	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
6/12/2017					
6/13/2017				0.98	
6/14/2017					2.6 (D)
6/15/2017	1.4				
6/16/2017					
7/12/2017					2.8 (D)
7/14/2017				1.1	
7/17/2017			1.9 (D)		
7/20/2017					2.3 (D)
7/26/2017					
7/27/2017			3 (D)		
7/28/2017					2 (D)
8/9/2017			2.5 (D)		1.8 (D)
8/10/2017					
8/24/2017					2.9 (D)
9/22/2017					
9/25/2017		2.5			
9/26/2017					
9/27/2017					
9/29/2017			2.7 (D)		
10/2/2017					
10/3/2017				1	2.8 (D)
10/4/2017					
10/5/2017					
10/6/2017	1.6				
10/9/2017					
12/28/2017					
3/14/2018		4 (J)			
3/15/2018					
3/16/2018			2.6		
3/19/2018					
3/20/2018				1.5	
3/21/2018					2.9
3/22/2018					
3/23/2018	1.5				
9/12/2018		2.1			
9/13/2018					
9/14/2018			1.9		
9/17/2018					
9/18/2018				1.3	3.1
9/19/2018	1.7				
9/20/2018					
3/13/2019					
3/14/2019		2.9	2.8		
3/15/2019					
3/18/2019					
3/19/2019					
3/20/2019					
3/21/2019				<1	3.6 (D)
3/22/2019					
3/23/2019					
3/25/2019	1.9				

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWA-41R (bg)	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019		1.7	2.3		
9/11/2019					
9/12/2019					2.1 (D)
9/13/2019				1	
9/16/2019					
9/17/2019	2				
9/18/2019					
3/6/2020					
3/9/2020		1.3	1.5		
3/10/2020					
3/11/2020					
3/12/2020				0.72 (J)	2.3
3/13/2020	1.6				
3/16/2020					
3/17/2020					
9/10/2020		1.4			
9/11/2020					
9/14/2020					
9/15/2020					
9/16/2020			1.7	0.79 (J)	
9/17/2020					2.4
9/21/2020	1.6				
9/22/2020					
3/10/2021		1.6			
3/11/2021					
3/12/2021					
3/15/2021					
3/16/2021			1.3		2.7
3/17/2021				0.79 (J)	
3/18/2021	1.7				
3/19/2021					
3/29/2021					
8/4/2021		1.3			
8/5/2021					
8/6/2021			1.3		
8/9/2021					
8/10/2021				0.68 (J)	2.8
8/11/2021	1.2				
8/12/2021					
1/31/2022		1			
2/1/2022					
2/2/2022			1.5	0.76 (J)	
2/3/2022					2.6
2/4/2022	1.2				
2/7/2022					
2/17/2022					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-46R	GWC-47	GWC-47R	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/11/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/19/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/8/2017									
8/9/2017									
8/10/2017									
8/23/2017									
8/24/2017									
9/22/2017					7.8	5.77			
9/25/2017									6.88
9/26/2017							7.59	7.05	
9/27/2017			7.55	7.62					
9/29/2017	5.06	7.42							
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017	5.07 (Y)		7.59 (Y)		7.78 (Y)			6.79 (Y)	
12/29/2017									
1/9/2018									
1/10/2018									
3/14/2018						5.85	7.6	7.42	7.04
3/15/2018	5.14	7.22	7.42		7.66				
3/16/2018				7.72					
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018					7.75	5.65		6.86	7.02
9/13/2018	5.02	7.52	7.49	7.68					
9/14/2018							7.37		
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019					7.84	5.63			
3/14/2019							7.57		6.93
3/15/2019	5.28		7.45					6.78	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-46R	GWC-47	GWC-47R	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)
3/18/2019		7.39							
3/19/2019				7.93					
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019								6.49	
9/10/2019							7.53		6.72
9/11/2019	4.93	7.36		7.55	7.75	5.53			
9/12/2019			7.48						
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020							7.42		
3/9/2020	5.18		7.19	7.51	7.73	5.5		5.9	6.7
3/10/2020		7.44							
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020							7.48	5.53	6.67
9/11/2020						6.25			
9/14/2020	5	7.43	7.54		7.76				
9/15/2020				7.64					
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
12/15/2020									
3/10/2021									7.3
3/11/2021	4.95	7.53	7.34	7.48	7.81	5.55	7.53		
3/12/2021								6.39	
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
5/26/2021	4.72	7.39							
8/4/2021	4.91						7.35	6.21	7.15
8/5/2021		7.44	7.41	7.45	7.75				
8/6/2021						5.52			
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
10/28/2021			7.34	7.36					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-40 (bg)	GWC-45	GWC-44	GWC-45R	GWC-49R	GWC-49Z	GWC-8Z	GWA-1 (bg)
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016	6.45	7.13		4.69	7.52				
11/4/2016			5.02			7.89			
11/7/2016							5.71		
11/9/2016									7.45
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016								7.4	
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017		7.51							
1/18/2017	6.34								
1/19/2017				4.58					
1/20/2017					7.3				
1/23/2017			4.9						
1/24/2017						7.97	5.58		
1/30/2017									7.64
1/31/2017									
2/1/2017									
2/3/2017								7.05	
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017	6.42	7.55							
3/27/2017									
3/28/2017				4.45					
3/29/2017			5.08		7.29	7.71			
3/30/2017							5.44		7.51
4/3/2017									
4/6/2017									
4/7/2017								7.14	
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017		7.6							
6/5/2017				4.33					
6/6/2017	6.82								
6/7/2017			5.06		7.43				
6/8/2017						7.86			
6/9/2017							5.11		7.6

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-9
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	6.7	5.96	7.45						
3/28/2016				6.45 (D)	6.22	7.04			
3/29/2016							7.54	7.24	
3/30/2016									6.07
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016			7.5						
5/20/2016	6.36								
5/23/2016		5.73			5.86				
5/24/2016							7.39	7.1	
5/25/2016				6.96		6.39			
5/26/2016									6.44
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	6.75	5.51	7.59						
8/1/2016				5.64	6.39	6.13	7.26	7.07	
8/2/2016									
8/3/2016									
8/4/2016									
8/5/2016									6.67
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016		5.45	7.44						
9/23/2016	6.62								
9/26/2016				6.26	5.74		7.19	7.15	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-9
9/27/2016						5.98			
9/28/2016									6.89
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016	6.42								
11/10/2016		5.51	7.55		5.78				
11/11/2016				5.62		6.11			
11/14/2016								7.15	
11/18/2016							7.04		
11/21/2016									6.89
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017				5.49	5.88				
1/31/2017	5.66	5.42	7.56			6.08			
2/1/2017							7.34	7.09	
2/3/2017									
2/6/2017									4.93
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	6.33	5.43							
4/3/2017			7.46	6.32		6.13			
4/6/2017							7.49	7.23	4.92
4/7/2017					5.94				
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017			7.24						

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-10R	GWC-10	GWC-11R	GWC-11	GWC-13	GWC-12	GWC-15R	GWA-39RZ (bg)
1/31/2022									
2/1/2022									
2/2/2022	8.13						6.35		6.89
2/3/2022									
2/4/2022		7.69	6.53	7.58	7.2			7.61	
2/7/2022									
2/17/2022						7.24			

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-15Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016					
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016				8.56 (o)	
4/5/2016		9.23 (o)	10.61 (o)		
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016					
5/17/2016					
5/18/2016					
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016	7.98	9.52 (o)			
6/1/2016			10.32 (o)	9.83 (o)	
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016					
7/28/2016					
7/29/2016					
8/1/2016					
8/2/2016	7.64				
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016			8.23 (o)		
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016					
9/22/2016					
9/23/2016					
9/26/2016					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-15Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
9/27/2016	7.18				
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016					
11/7/2016					
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016	7.49				
11/22/2016					
11/23/2016		7.88			
11/28/2016			7.29		
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017					
1/30/2017					
1/31/2017					
2/1/2017	7.2				
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017			6.91		
2/10/2017		7.72			
2/13/2017					
2/21/2017					
2/22/2017				7.45	7.38 (D)
3/24/2017					
3/27/2017					
3/28/2017					
3/29/2017					
3/30/2017					
4/3/2017					
4/6/2017	7.42				
4/7/2017					7.35 (D)
4/10/2017					
4/11/2017		7.83	6.68	6.37	
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017					
6/9/2017					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-15Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
6/12/2017					
6/13/2017	7.25				
6/14/2017			6.84		7.3 (D)
6/15/2017		7.86			
6/16/2017				7.33	
7/11/2017					7.39
7/12/2017		7.73	6.54	7.46	7.39 (D)
7/14/2017	7.5				
7/17/2017					
7/19/2017					7.44
7/20/2017					7.44 (D)
7/26/2017		7.71			
7/27/2017				7.37	7.5
7/28/2017				7.37	7.5
8/8/2017					7.52
8/9/2017				7.38	7.52
8/10/2017				7.38	
8/23/2017					7.5
8/24/2017					7.5
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017					
10/2/2017					
10/3/2017	7.5				7.51 (D)
10/4/2017					
10/5/2017			6.93		
10/6/2017		7.74		6.55	
10/9/2017					
12/28/2017				7.43 (Y)	7.32 (Y)
12/29/2017					
1/9/2018					
1/10/2018					
3/14/2018					
3/15/2018					
3/16/2018					
3/19/2018					
3/20/2018	6.76				
3/21/2018					7.3
3/22/2018			6.93		
3/23/2018		7.89		7.58	
9/12/2018					
9/13/2018					
9/14/2018					
9/17/2018					
9/18/2018	7.26				7.26
9/19/2018		7.77	6.88		
9/20/2018				7.43	
3/13/2019					
3/14/2019					
3/15/2019					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-15Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
3/18/2019					
3/19/2019					
3/20/2019					
3/21/2019	7.3				7.28 (D)
3/22/2019		7.55	6.27	7.49	
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019					
9/12/2019					7.2 (D)
9/13/2019	6.8				
9/16/2019					
9/17/2019		7.76	6.04		
9/18/2019				7.5	
3/6/2020					
3/9/2020					
3/10/2020					
3/11/2020					
3/12/2020	7.53				7.55
3/13/2020		7.68	6.16		
3/16/2020					
3/17/2020				7.62	
9/10/2020					
9/11/2020					
9/14/2020					
9/15/2020					
9/16/2020	7.56				
9/17/2020					7.42
9/21/2020		7.65	6.06		
9/22/2020				6.95	
12/15/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021					
3/16/2021					7.4
3/17/2021	7.52				
3/18/2021		7.87	6.04		
3/19/2021				7.42	
3/29/2021					
5/26/2021					
8/4/2021					
8/5/2021					
8/6/2021					
8/9/2021					
8/10/2021	7.13				7.2
8/11/2021		7.81	6.09		
8/12/2021				7.11	
10/28/2021					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-15Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
1/31/2022					
2/1/2022					
2/2/2022	7.54				
2/3/2022					7.2
2/4/2022			6.06	7.46	
2/7/2022		7.83			
2/17/2022					

Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

APPENDIX B

LABORATORY ANALYTICAL REPORTS



March 10, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Dear Joju Abraham:

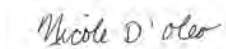
Enclosed are the analytical results for sample(s) received by the laboratory between January 28, 2022 and February 01, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA
- Pace Analytical Services - Minneapolis

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Michelle Barker, WOOD E&I
Anna Bottum, ERM
Andrea Brazell, ERM
Kristen Jurinko
Ms. Lauren Petty, Southern Company
Rhonda Quinn, WOOD E&I
Lacy Smith, ERM
Caitlin Tillema, ERM
Christine Weaver, ERM

Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Pace Analytical Services Peachtree Corners

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92585058001	GWA-38	Water	01/25/22 13:54	01/28/22 09:30
92585058002	GWA-52	Water	01/25/22 16:52	01/28/22 09:30
92585058003	GWA-54	Water	01/25/22 15:28	01/28/22 09:30
92585058004	FB-1	Water	01/25/22 16:18	01/28/22 09:30
92585058005	GWA-36RA	Water	01/26/22 10:35	01/28/22 09:30
92585058006	GWA-37	Water	01/26/22 13:10	01/28/22 09:30
92585058007	GWA-51RZ	Water	01/26/22 12:45	01/28/22 09:30
92585058008	GWA-53	Water	01/26/22 11:45	01/28/22 09:30
92585058009	GWA-53R	Water	01/26/22 14:20	01/28/22 09:30
92585058010	GWA-55	Water	01/26/22 15:30	01/28/22 09:30
92585058011	GWA-56	Water	01/26/22 16:01	01/28/22 09:30
92585058012	DUP-1	Water	01/26/22 00:00	01/28/22 09:30
92585058013	FB-2	Water	01/26/22 16:15	01/28/22 09:30
92585058014	EB-1	Water	01/26/22 16:10	01/28/22 09:30
92585058015	GWC-18R	Water	01/27/22 13:06	01/28/22 09:30
92585058016	GWC-19R	Water	01/27/22 14:20	01/28/22 09:30
92585058017	GWC-20R	Water	01/27/22 15:52	01/28/22 09:30
92585058018	GWC-22R	Water	01/27/22 16:00	01/28/22 09:30
92585058019	GWC-25R	Water	01/27/22 13:53	01/28/22 09:30
92585058020	GWA-55R	Water	01/27/22 12:30	01/28/22 09:30
92585058021	DUP-2	Water	01/27/22 00:00	01/28/22 09:30
92585058022	FB-3	Water	01/27/22 16:30	01/28/22 09:30
92585058023	GWC-16R	Water	01/28/22 09:38	02/01/22 11:22
92585058024	GWC-17R	Water	01/28/22 10:20	02/01/22 11:22
92585058025	GWC-18	Water	01/28/22 12:04	02/01/22 11:22
92585058026	GWC-21R	Water	01/28/22 12:17	02/01/22 11:22
92585058027	GWC-23R	Water	01/28/22 11:07	02/01/22 11:22
92585058028	GWC-24R	Water	01/28/22 10:35	02/01/22 11:22
92585058029	DUP-3	Water	01/28/22 00:00	02/01/22 11:22
92585058030	FB-4	Water	01/28/22 11:55	02/01/22 11:22

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585058001	GWA-38	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585058002	GWA-52	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058003	GWA-54	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92585058004	FB-1	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92585058005	GWA-36RA	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
92585058006	GWA-37	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92585058007	GWA-51RZ	EPA 6010D	KH	5	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585058008	GWA-53	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585058009	GWA-53R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92585058010	GWA-55	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
92585058011	GWA-56	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585058012	DUP-1	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92585058013	FB-2	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585058014	EB-1	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058015	GWC-18R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92585058016	GWC-19R	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92585058017	GWC-20R	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058018	GWC-22R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92585058019	GWC-25R	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585058020	GWA-55R	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058021	DUP-2	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585058022	FB-3	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92585058023	GWC-16R	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
92585058024	GWC-17R	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92585058025	GWC-18	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585058026	GWC-21R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058027	GWC-23R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058028	GWC-24R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058029	DUP-3	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058030	FB-4	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058001	GWA-38					
	Performed by	CUSTOME			01/28/22 14:43	
		R				
	pH	5.14	Std. Units		01/28/22 14:43	
EPA 6010D	Calcium	1.1	mg/L	1.0	02/07/22 20:35	
EPA 6010D	Potassium	0.46	mg/L	0.20	02/07/22 20:35	BC
EPA 6010D	Sodium	3.5	mg/L	1.0	02/07/22 20:35	
EPA 6010D	Magnesium	0.44	mg/L	0.050	02/07/22 20:35	
EPA 6020B	Barium	0.012	mg/L	0.0050	02/11/22 18:36	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	02/11/22 18:36	
EPA 6020B	Cobalt	0.0011J	mg/L	0.0050	02/11/22 18:36	
EPA 6020B	Nickel	0.00093J	mg/L	0.0050	02/11/22 18:36	
SM 2540C-2015	Total Dissolved Solids	27.0	mg/L	10.0	02/01/22 14:07	
SM 2320B	Alkalinity, Total as CaCO3	4.9J	mg/L	5.0	02/03/22 18:02	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	4.9J	mg/L	5.0	02/03/22 18:02	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	02/02/22 01:13	
EPA 300.0 Rev 2.1 1993	Sulfate	0.58J	mg/L	1.0	02/02/22 01:13	
92585058002	GWA-52					
	Performed by	CUSTOME			01/28/22 14:43	
		R				
	pH	7.44	Std. Units		01/28/22 14:43	
EPA 6010D	Calcium	28.6	mg/L	1.0	02/07/22 20:54	
EPA 6010D	Potassium	1.2	mg/L	0.20	02/07/22 20:54	BC
EPA 6010D	Sodium	5.1	mg/L	1.0	02/07/22 20:54	
EPA 6010D	Magnesium	14.6	mg/L	0.050	02/07/22 20:54	
EPA 6020B	Arsenic	0.0030J	mg/L	0.0050	02/11/22 18:42	
EPA 6020B	Barium	0.023	mg/L	0.0050	02/11/22 18:42	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	02/11/22 18:42	
SM 2540C-2015	Total Dissolved Solids	136	mg/L	10.0	02/01/22 14:07	
SM 2320B	Alkalinity, Total as CaCO3	132	mg/L	5.0	02/03/22 17:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	02/03/22 17:20	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/02/22 01:27	
EPA 300.0 Rev 2.1 1993	Sulfate	8.6	mg/L	1.0	02/02/22 01:27	
92585058003	GWA-54					
	Performed by	CUSTOME			01/28/22 14:44	
		R				
	pH	7.38	Std. Units		01/28/22 14:44	
EPA 6010D	Calcium	24.3	mg/L	1.0	02/07/22 21:09	
EPA 6010D	Potassium	0.87	mg/L	0.20	02/07/22 21:09	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/07/22 21:09	
EPA 6010D	Magnesium	13.9	mg/L	0.050	02/07/22 21:09	
EPA 6020B	Barium	0.031	mg/L	0.0050	02/11/22 19:06	
EPA 6020B	Chromium	0.0013J	mg/L	0.0050	02/11/22 19:06	
SM 2540C-2015	Total Dissolved Solids	113	mg/L	10.0	02/01/22 14:07	
SM 2320B	Alkalinity, Total as CaCO3	116	mg/L	5.0	02/03/22 17:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	116	mg/L	5.0	02/03/22 17:36	
EPA 300.0 Rev 2.1 1993	Chloride	0.81J	mg/L	1.0	02/02/22 01:41	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/02/22 01:41	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058004	FB-1					
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	02/11/22 19:12	
92585058005	GWA-36RA					
	Performed by	CUSTOMER			01/28/22 14:44	
	pH	7.01	Std. Units		01/28/22 14:44	
EPA 6010D	Calcium	41.0	mg/L	1.0	02/07/22 21:18	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/07/22 21:18	
EPA 6010D	Sodium	2.0	mg/L	1.0	02/07/22 21:18	
EPA 6010D	Magnesium	21.4	mg/L	0.050	02/07/22 21:18	
EPA 6020B	Barium	0.035	mg/L	0.0050	02/11/22 19:18	
EPA 6020B	Boron	0.012J	mg/L	0.040	02/11/22 19:18	
SM 2540C-2015	Total Dissolved Solids	184	mg/L	10.0	02/02/22 17:22	
SM 2320B	Alkalinity, Total as CaCO3	182	mg/L	5.0	02/03/22 22:13	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	182	mg/L	5.0	02/03/22 22:13	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	02/02/22 02:09	
EPA 300.0 Rev 2.1 1993	Sulfate	7.5	mg/L	1.0	02/02/22 02:09	
92585058006	GWA-37					
	Performed by	CUSTOMER			01/28/22 14:44	
	pH	4.69	Std. Units		01/28/22 14:44	
EPA 6010D	Calcium	0.70J	mg/L	1.0	02/07/22 21:23	
EPA 6010D	Potassium	0.38	mg/L	0.20	02/07/22 21:23	
EPA 6010D	Sodium	3.1	mg/L	1.0	02/07/22 21:23	
EPA 6010D	Magnesium	0.29	mg/L	0.050	02/07/22 21:23	
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/11/22 19:36	
EPA 6020B	Barium	0.0046J	mg/L	0.0050	02/11/22 19:36	
EPA 6020B	Copper	0.013	mg/L	0.0050	02/11/22 19:36	
EPA 6020B	Nickel	0.016	mg/L	0.0050	02/11/22 19:36	
SM 2540C-2015	Total Dissolved Solids	26.0	mg/L	10.0	02/02/22 17:22	
SM 2320B	Alkalinity, Total as CaCO3	6.8	mg/L	5.0	02/03/22 23:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	6.8	mg/L	5.0	02/03/22 23:14	
EPA 300.0 Rev 2.1 1993	Chloride	0.88J	mg/L	1.0	02/02/22 02:23	
92585058007	GWA-51RZ					
	Performed by	CUSTOMER			01/28/22 14:44	
	pH	7.78	Std. Units		01/28/22 14:44	
EPA 6010D	Calcium	50.5	mg/L	1.0	02/07/22 21:28	
EPA 6010D	Potassium	1.0	mg/L	0.20	02/07/22 21:28	
EPA 6010D	Sodium	3.6	mg/L	1.0	02/07/22 21:28	
EPA 6010D	Magnesium	23.5	mg/L	0.050	02/07/22 21:28	
EPA 6020B	Arsenic	0.0047J	mg/L	0.0050	02/11/22 19:42	
EPA 6020B	Barium	0.034	mg/L	0.0050	02/11/22 19:42	
EPA 6020B	Boron	0.0088J	mg/L	0.040	02/11/22 19:42	
SM 2540C-2015	Total Dissolved Solids	190	mg/L	10.0	02/02/22 17:22	
SM 2320B	Alkalinity, Total as CaCO3	184	mg/L	5.0	02/03/22 22:21	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	184	mg/L	5.0	02/03/22 22:21	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058007	GWA-51RZ					
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	02/02/22 02:37	
EPA 300.0 Rev 2.1 1993	Sulfate	22.2	mg/L	1.0	02/02/22 02:37	
92585058008	GWA-53					
	Performed by	CUSTOMER			01/28/22 14:45	
	pH	7.72	Std. Units		01/28/22 14:45	
EPA 6010D	Calcium	29.6	mg/L	1.0	02/07/22 21:33	
EPA 6010D	Potassium	0.68	mg/L	0.20	02/07/22 21:33	
EPA 6010D	Sodium	1.7	mg/L	1.0	02/07/22 21:33	
EPA 6010D	Magnesium	16.3	mg/L	0.050	02/07/22 21:33	
EPA 6020B	Barium	0.013	mg/L	0.0050	02/11/22 19:48	
EPA 6020B	Beryllium	0.000070J	mg/L	0.00050	02/11/22 19:48	
SM 2540C-2015	Total Dissolved Solids	131	mg/L	10.0	02/02/22 17:22	
SM 2320B	Alkalinity, Total as CaCO3	132	mg/L	5.0	02/03/22 22:26	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	02/03/22 22:26	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	02/02/22 03:18	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/02/22 03:18	
92585058009	GWA-53R					
	Performed by	CUSTOMER			01/28/22 14:45	
	pH	7.78	Std. Units		01/28/22 14:45	
EPA 6010D	Calcium	30.4	mg/L	1.0	02/07/22 21:37	
EPA 6010D	Potassium	0.67	mg/L	0.20	02/07/22 21:37	
EPA 6010D	Sodium	1.5	mg/L	1.0	02/07/22 21:37	
EPA 6010D	Magnesium	16.5	mg/L	0.050	02/07/22 21:37	
EPA 6020B	Barium	0.014	mg/L	0.0050	02/11/22 19:53	
SM 2540C-2015	Total Dissolved Solids	144	mg/L	10.0	02/02/22 17:23	
SM 2320B	Alkalinity, Total as CaCO3	139	mg/L	5.0	02/03/22 22:39	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	139	mg/L	5.0	02/03/22 22:39	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	02/02/22 04:00	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	02/02/22 04:00	
92585058010	GWA-55					
	Performed by	CUSTOMER			01/28/22 14:45	
	pH	7.21	Std. Units		01/28/22 14:45	
EPA 6010D	Calcium	53.2	mg/L	1.0	02/07/22 21:42	
EPA 6010D	Potassium	1.4	mg/L	0.20	02/07/22 21:42	
EPA 6010D	Sodium	0.97J	mg/L	1.0	02/07/22 21:42	
EPA 6010D	Magnesium	27.9	mg/L	0.050	02/07/22 21:42	
EPA 6020B	Barium	0.026	mg/L	0.0050	02/11/22 19:59	
EPA 6020B	Cobalt	0.0035J	mg/L	0.0050	02/11/22 19:59	
EPA 6020B	Selenium	0.0025J	mg/L	0.0050	02/11/22 19:59	
SM 2540C-2015	Total Dissolved Solids	244	mg/L	10.0	02/02/22 17:23	
SM 2320B	Alkalinity, Total as CaCO3	190	mg/L	5.0	02/03/22 22:44	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	190	mg/L	5.0	02/03/22 22:44	
EPA 300.0 Rev 2.1 1993	Chloride	5.8	mg/L	1.0	02/02/22 04:42	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058010	GWA-55					
EPA 300.0 Rev 2.1 1993	Sulfate	32.5	mg/L	1.0	02/02/22 04:42	
92585058011	GWA-56					
	Performed by	CUSTOMER			01/28/22 14:45	
	pH	7.45	Std. Units		01/28/22 14:45	
EPA 6010D	Calcium	37.6	mg/L	1.0	02/07/22 21:47	
EPA 6010D	Potassium	3.6	mg/L	0.20	02/07/22 21:47	
EPA 6010D	Sodium	39.4	mg/L	1.0	02/07/22 21:47	
EPA 6010D	Magnesium	22.4	mg/L	0.050	02/07/22 21:47	
EPA 6020B	Arsenic	0.0015J	mg/L	0.0050	02/11/22 20:05	
EPA 6020B	Barium	0.032	mg/L	0.0050	02/11/22 20:05	
EPA 6020B	Boron	0.014J	mg/L	0.040	02/11/22 20:05	
SM 2540C-2015	Total Dissolved Solids	278	mg/L	10.0	02/02/22 17:23	
SM 2320B	Alkalinity, Total as CaCO3	216	mg/L	5.0	02/03/22 22:50	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	216	mg/L	5.0	02/03/22 22:50	
EPA 300.0 Rev 2.1 1993	Chloride	5.2	mg/L	1.0	02/02/22 04:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	02/02/22 04:56	
EPA 300.0 Rev 2.1 1993	Sulfate	47.1	mg/L	1.0	02/02/22 04:56	
92585058012	DUP-1					
EPA 6010D	Calcium	53.7	mg/L	1.0	02/07/22 21:52	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/07/22 21:52	
EPA 6010D	Sodium	1.0	mg/L	1.0	02/07/22 21:52	
EPA 6010D	Magnesium	28.3	mg/L	0.050	02/07/22 21:52	
EPA 6020B	Arsenic	0.0020J	mg/L	0.0050	02/11/22 20:11	
EPA 6020B	Barium	0.029	mg/L	0.0050	02/11/22 20:11	
EPA 6020B	Cobalt	0.0039J	mg/L	0.0050	02/11/22 20:11	
EPA 6020B	Selenium	0.0025J	mg/L	0.0050	02/11/22 20:11	
SM 2540C-2015	Total Dissolved Solids	226	mg/L	10.0	02/02/22 17:23	
SM 2320B	Alkalinity, Total as CaCO3	193	mg/L	5.0	02/03/22 22:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	193	mg/L	5.0	02/03/22 22:57	
EPA 300.0 Rev 2.1 1993	Chloride	5.8	mg/L	1.0	02/02/22 05:10	
EPA 300.0 Rev 2.1 1993	Sulfate	32.7	mg/L	1.0	02/02/22 05:10	
92585058013	FB-2					
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	02/11/22 20:17	
92585058015	GWC-18R					
	Performed by	CUSTOMER			01/28/22 14:46	
	pH	7.76	Std. Units		01/28/22 14:46	
EPA 6010D	Potassium	0.63	mg/L	0.20	02/10/22 17:15	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/10/22 17:15	
EPA 6010D	Calcium	29.3	mg/L	1.0	02/10/22 17:15	M1
EPA 6010D	Magnesium	16.4	mg/L	0.050	02/10/22 17:15	M1
EPA 6020B	Barium	0.014	mg/L	0.0050	02/11/22 20:29	
EPA 6020B	Beryllium	0.000055J	mg/L	0.00050	02/11/22 20:29	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	02/11/22 20:29	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058015	GWC-18R					
SM 2540C-2015	Total Dissolved Solids	146	mg/L	10.0	02/02/22 17:43	
SM 2320B	Alkalinity, Total as CaCO3	141	mg/L	5.0	02/04/22 15:23	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	141	mg/L	5.0	02/04/22 15:23	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	02/02/22 06:20	
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	02/02/22 06:20	
92585058016	GWC-19R					
	Performed by	CUSTOMER			01/28/22 14:46	
	pH	7.74	Std. Units		01/28/22 14:46	
EPA 6010D	Potassium	0.76	mg/L	0.20	02/10/22 17:35	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/10/22 17:35	
EPA 6010D	Calcium	33.2	mg/L	1.0	02/10/22 17:35	
EPA 6010D	Magnesium	18.3	mg/L	0.050	02/10/22 17:35	
EPA 6020B	Barium	0.016	mg/L	0.0050	02/11/22 20:47	
SM 2540C-2015	Total Dissolved Solids	149	mg/L	10.0	02/02/22 17:43	
SM 2320B	Alkalinity, Total as CaCO3	149	mg/L	5.0	02/04/22 15:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	149	mg/L	5.0	02/04/22 15:29	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	02/02/22 06:34	
EPA 300.0 Rev 2.1 1993	Sulfate	3.9	mg/L	1.0	02/02/22 06:34	
92585058017	GWC-20R					
	Performed by	CUSTOMER			01/28/22 14:46	
	pH	7.73	Std. Units		01/28/22 14:46	
EPA 6010D	Potassium	0.72	mg/L	0.20	02/10/22 17:39	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/10/22 17:39	
EPA 6010D	Calcium	36.2	mg/L	1.0	02/10/22 17:39	
EPA 6010D	Magnesium	20.0	mg/L	0.050	02/10/22 17:39	
EPA 6020B	Barium	0.028	mg/L	0.0050	02/11/22 20:53	
SM 2540C-2015	Total Dissolved Solids	176	mg/L	10.0	02/02/22 17:43	
SM 2320B	Alkalinity, Total as CaCO3	171	mg/L	5.0	02/04/22 15:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	02/04/22 15:34	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	02/02/22 06:47	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/02/22 06:47	
92585058018	GWC-22R					
	Performed by	CUSTOMER			01/28/22 14:46	
	pH	7.28	Std. Units		01/28/22 14:46	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/10/22 17:44	
EPA 6010D	Sodium	1.8	mg/L	1.0	02/10/22 17:44	
EPA 6010D	Calcium	36.9	mg/L	1.0	02/10/22 17:44	
EPA 6010D	Magnesium	20.0	mg/L	0.050	02/10/22 17:44	
EPA 6020B	Arsenic	0.0045J	mg/L	0.0050	02/11/22 20:59	
EPA 6020B	Barium	0.060	mg/L	0.0050	02/11/22 20:59	
EPA 6020B	Cobalt	0.0011J	mg/L	0.0050	02/11/22 20:59	
EPA 6020B	Nickel	0.00076J	mg/L	0.0050	02/11/22 20:59	
SM 2540C-2015	Total Dissolved Solids	167	mg/L	10.0	02/02/22 17:44	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058018	GWC-22R					
SM 2320B	Alkalinity, Total as CaCO ₃	176	mg/L	5.0	02/04/22 15:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO ₃)	176	mg/L	5.0	02/04/22 15:40	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	02/02/22 07:01	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	02/02/22 07:01	
92585058019	GWC-25R					
	Performed by	CUSTOMER			01/28/22 14:46	
	pH	7.46	Std. Units		01/28/22 14:46	
EPA 6010D	Potassium	0.66	mg/L	0.20	02/10/22 17:49	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/10/22 17:49	
EPA 6010D	Calcium	34.4	mg/L	1.0	02/10/22 17:49	
EPA 6010D	Magnesium	19.7	mg/L	0.050	02/10/22 17:49	
EPA 6020B	Barium	0.017	mg/L	0.0050	02/11/22 21:05	
SM 2540C-2015	Total Dissolved Solids	168	mg/L	10.0	02/02/22 17:44	
SM 2320B	Alkalinity, Total as CaCO ₃	164	mg/L	5.0	02/04/22 15:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO ₃)	164	mg/L	5.0	02/04/22 15:45	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	02/04/22 13:50	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	02/04/22 13:50	
92585058020	GWA-55R					
	Performed by	CUSTOMER			01/28/22 14:47	
	pH	7.27	Std. Units		01/28/22 14:47	
EPA 6010D	Potassium	1.0	mg/L	0.20	02/10/22 17:54	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/10/22 17:54	
EPA 6010D	Calcium	44.4	mg/L	1.0	02/10/22 17:54	
EPA 6010D	Magnesium	24.8	mg/L	0.050	02/10/22 17:54	
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/11/22 21:11	
EPA 6020B	Barium	0.032	mg/L	0.0050	02/11/22 21:11	
EPA 6020B	Selenium	0.0016J	mg/L	0.0050	02/11/22 21:11	
SM 2540C-2015	Total Dissolved Solids	207	mg/L	10.0	02/02/22 17:44	
SM 2320B	Alkalinity, Total as CaCO ₃	181	mg/L	5.0	02/04/22 16:15	
SM 2320B	Alkalinity,Bicarbonate (CaCO ₃)	181	mg/L	5.0	02/04/22 16:15	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	02/04/22 14:04	
EPA 300.0 Rev 2.1 1993	Sulfate	20.7	mg/L	1.0	02/04/22 14:04	
92585058021	DUP-2					
EPA 6010D	Potassium	0.72	mg/L	0.20	02/10/22 17:58	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/10/22 17:58	
EPA 6010D	Calcium	30.8	mg/L	1.0	02/10/22 17:58	
EPA 6010D	Magnesium	16.8	mg/L	0.050	02/10/22 17:58	
EPA 6020B	Antimony	0.00090J	mg/L	0.0030	02/14/22 14:55	B
EPA 6020B	Barium	0.015	mg/L	0.0050	02/14/22 14:55	
EPA 6020B	Beryllium	0.000056J	mg/L	0.00050	02/14/22 14:55	
SM 2540C-2015	Total Dissolved Solids	147	mg/L	10.0	02/02/22 17:45	
SM 2320B	Alkalinity, Total as CaCO ₃	141	mg/L	5.0	02/04/22 16:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO ₃)	141	mg/L	5.0	02/04/22 16:20	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	02/04/22 14:18	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058021	DUP-2					
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	02/04/22 14:18	
92585058023	GWC-16R					
	Performed by	CUSTOMER			02/01/22 17:21	
	pH	7.31	Std. Units		02/01/22 17:21	
EPA 6010D	Zinc	0.026	mg/L	0.020	02/10/22 18:17	
EPA 6010D	Potassium	5.7	mg/L	0.20	02/10/22 18:17	
EPA 6010D	Sodium	28.5	mg/L	1.0	02/10/22 18:17	
EPA 6010D	Calcium	68.5	mg/L	1.0	02/10/22 18:17	
EPA 6010D	Magnesium	23.9	mg/L	0.050	02/10/22 18:17	
EPA 6020B	Antimony	0.027	mg/L	0.0030	02/14/22 15:21	
EPA 6020B	Barium	0.049	mg/L	0.0050	02/14/22 15:21	
EPA 6020B	Boron	0.021J	mg/L	0.040	02/14/22 15:21	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	02/14/22 15:21	
EPA 6020B	Copper	0.00088J	mg/L	0.0050	02/14/22 15:21	
EPA 6020B	Nickel	0.0063	mg/L	0.0050	02/14/22 15:21	
SM 2540C-2015	Total Dissolved Solids	317	mg/L	10.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	315	mg/L	5.0	02/08/22 21:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	315	mg/L	5.0	02/08/22 21:45	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/06/22 04:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	02/06/22 04:03	
EPA 300.0 Rev 2.1 1993	Sulfate	11.9	mg/L	1.0	02/06/22 04:03	
92585058024	GWC-17R					
	Performed by	CUSTOMER			02/01/22 17:21	
	pH	7.34	Std. Units		02/01/22 17:21	
EPA 6010D	Potassium	0.73	mg/L	0.20	02/10/22 18:22	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/10/22 18:22	
EPA 6010D	Calcium	64.7	mg/L	1.0	02/10/22 18:22	
EPA 6010D	Magnesium	35.4	mg/L	0.050	02/10/22 18:22	
EPA 6020B	Barium	0.018	mg/L	0.0050	02/14/22 15:45	
SM 2540C-2015	Total Dissolved Solids	302	mg/L	10.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	300	mg/L	5.0	02/08/22 21:53	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	300	mg/L	5.0	02/08/22 21:53	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	02/06/22 04:17	
EPA 300.0 Rev 2.1 1993	Sulfate	7.6	mg/L	1.0	02/06/22 04:17	
92585058025	GWC-18					
	Performed by	CUSTOMER			02/01/22 17:21	
	pH	6.60	Std. Units		02/01/22 17:21	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/10/22 18:27	
EPA 6010D	Sodium	1.5	mg/L	1.0	02/10/22 18:27	
EPA 6010D	Calcium	19.1	mg/L	1.0	02/10/22 18:27	
EPA 6010D	Magnesium	10.7	mg/L	0.050	02/10/22 18:27	
EPA 6020B	Barium	0.044	mg/L	0.0050	02/14/22 15:51	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	02/14/22 15:51	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058025	GWC-18					
SM 2540C-2015	Total Dissolved Solids	99.0	mg/L	10.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	84.7	mg/L	5.0	02/08/22 22:00	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	84.7	mg/L	5.0	02/08/22 22:00	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	02/06/22 04:31	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	02/06/22 04:31	
92585058026	GWC-21R					
	Performed by	CUSTOME			02/01/22 17:21	
		R				
	pH	6.69	Std. Units		02/01/22 17:21	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/10/22 18:32	
EPA 6010D	Sodium	15.1	mg/L	1.0	02/10/22 18:32	
EPA 6010D	Calcium	60.0	mg/L	1.0	02/10/22 18:32	
EPA 6010D	Magnesium	29.9	mg/L	0.050	02/10/22 18:32	
EPA 6020B	Antimony	0.0061	mg/L	0.0030	02/14/22 18:21	B
EPA 6020B	Arsenic	0.0031J	mg/L	0.0050	02/14/22 18:21	
EPA 6020B	Barium	0.037	mg/L	0.0050	02/14/22 18:21	
EPA 6020B	Boron	0.011J	mg/L	0.040	02/14/22 18:21	
EPA 6020B	Nickel	0.0014J	mg/L	0.0050	02/14/22 18:21	
EPA 6020B	Thallium	0.00021J	mg/L	0.0010	02/14/22 18:21	
SM 2540C-2015	Total Dissolved Solids	290	mg/L	10.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	288	mg/L	5.0	02/08/22 22:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	288	mg/L	5.0	02/08/22 22:05	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	02/06/22 04:45	
EPA 300.0 Rev 2.1 1993	Sulfate	13.7	mg/L	1.0	02/06/22 04:45	
92585058027	GWC-23R					
	Performed by	CUSTOME			02/01/22 17:22	
		R				
	pH	7.38	Std. Units		02/01/22 17:22	
EPA 6010D	Zinc	0.0099J	mg/L	0.020	02/10/22 18:36	
EPA 6010D	Potassium	1.4	mg/L	0.20	02/10/22 18:36	
EPA 6010D	Sodium	74.7	mg/L	1.0	02/10/22 18:36	
EPA 6010D	Calcium	64.9	mg/L	1.0	02/10/22 18:36	
EPA 6010D	Magnesium	34.0	mg/L	0.050	02/10/22 18:36	
EPA 6020B	Arsenic	0.0026J	mg/L	0.0050	02/14/22 18:27	
EPA 6020B	Barium	0.036	mg/L	0.0050	02/14/22 18:27	
EPA 6020B	Copper	0.00068J	mg/L	0.0050	02/14/22 18:27	
SM 2540C-2015	Total Dissolved Solids	454	mg/L	20.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	345	mg/L	5.0	02/08/22 22:12	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	345	mg/L	5.0	02/08/22 22:12	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	02/06/22 04:59	
EPA 300.0 Rev 2.1 1993	Sulfate	98.4	mg/L	2.0	02/06/22 07:35	
92585058028	GWC-24R					
	Performed by	CUSTOME			02/01/22 17:22	
		R				
	pH	7.68	Std. Units		02/01/22 17:22	
EPA 6010D	Potassium	0.87	mg/L	0.20	02/10/22 18:41	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92585058028	GWC-24R					
EPA 6010D	Sodium	1.5	mg/L	1.0	02/10/22 18:41	
EPA 6010D	Calcium	34.4	mg/L	1.0	02/10/22 18:41	
EPA 6010D	Magnesium	18.9	mg/L	0.050	02/10/22 18:41	
EPA 6020B	Arsenic	0.0021J	mg/L	0.0050	02/14/22 18:33	
EPA 6020B	Barium	0.025	mg/L	0.0050	02/14/22 18:33	
SM 2540C-2015	Total Dissolved Solids	159	mg/L	10.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	148	mg/L	5.0	02/08/22 22:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	02/08/22 22:20	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	02/06/22 05:41	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	02/06/22 05:41	
92585058029	DUP-3					
EPA 6010D	Potassium	0.83	mg/L	0.20	02/10/22 18:46	
EPA 6010D	Sodium	1.6	mg/L	1.0	02/10/22 18:46	
EPA 6010D	Calcium	33.5	mg/L	1.0	02/10/22 18:46	
EPA 6010D	Magnesium	18.5	mg/L	0.050	02/10/22 18:46	
EPA 6020B	Arsenic	0.0015J	mg/L	0.0050	02/14/22 18:39	
EPA 6020B	Barium	0.023	mg/L	0.0050	02/14/22 18:39	
EPA 6020B	Copper	0.00054J	mg/L	0.0050	02/14/22 18:39	
SM 2540C-2015	Total Dissolved Solids	156	mg/L	10.0	02/03/22 12:42	
SM 2320B	Alkalinity, Total as CaCO3	148	mg/L	5.0	02/08/22 22:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	02/08/22 22:25	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	02/06/22 05:55	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	02/06/22 05:55	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWA-38		Lab ID: 92585058001		Collected: 01/25/22 13:54		Received: 01/28/22 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:43		
pH	5.14	Std. Units			1		01/28/22 14:43		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 20:35	7440-66-6	
Calcium	1.1	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 20:35	7440-70-2	
Potassium	0.46	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 20:35	7440-09-7	BC
Sodium	3.5	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 20:35	7440-23-5	
Magnesium	0.44	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 20:35	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 18:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 18:36	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 18:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 18:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 18:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 18:36	7440-43-9	
Chromium	0.0014J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 18:36	7440-47-3	
Cobalt	0.0011J	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 18:36	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 18:36	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 18:36	7439-92-1	
Nickel	0.00093J	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 18:36	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 18:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 18:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 18:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 18:36	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:19	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	27.0	mg/L	10.0	10.0	1		02/01/22 14:07		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	4.9J	mg/L	5.0	1.8	1		02/03/22 18:02		
Alkalinity,Bicarbonate (CaCO3)	4.9J	mg/L	5.0	1.8	1		02/03/22 18:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 18:02		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-38 **Lab ID: 92585058001** Collected: 01/25/22 13:54 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.2	mg/L	1.0	0.60	1		02/02/22 01:13	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 01:13	16984-48-8	
Sulfate	0.58J	mg/L	1.0	0.50	1		02/02/22 01:13	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-52		Lab ID: 92585058002		Collected: 01/25/22 16:52		Received: 01/28/22 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:43		
pH	7.44	Std. Units			1		01/28/22 14:43		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 20:54	7440-66-6	
Calcium	28.6	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 20:54	7440-70-2	
Potassium	1.2	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 20:54	7440-09-7	BC
Sodium	5.1	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 20:54	7440-23-5	
Magnesium	14.6	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 20:54	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 18:42	7440-36-0	
Arsenic	0.0030J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 18:42	7440-38-2	
Barium	0.023	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 18:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 18:42	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 18:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 18:42	7440-43-9	
Chromium	0.0012J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 18:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 18:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 18:42	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 18:42	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 18:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 18:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 18:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 18:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 18:42	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:22	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	136	mg/L	10.0	10.0	1		02/01/22 14:07		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	132	mg/L	5.0	1.8	1		02/03/22 17:20		
Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	1.8	1		02/03/22 17:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 17:20		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-52 **Lab ID: 92585058002** Collected: 01/25/22 16:52 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		02/02/22 01:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 01:27	16984-48-8	
Sulfate	8.6	mg/L	1.0	0.50	1		02/02/22 01:27	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-54 **Lab ID: 92585058003** Collected: 01/25/22 15:28 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:44		
pH	7.38	Std. Units			1		01/28/22 14:44		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:09	7440-66-6	
Calcium	24.3	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:09	7440-70-2	
Potassium	0.87	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:09	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:09	7440-23-5	
Magnesium	13.9	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:09	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:06	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:06	7440-43-9	
Chromium	0.0013J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:06	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:06	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:06	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:24	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	113	mg/L	10.0	10.0	1		02/01/22 14:07		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	116	mg/L	5.0	1.8	1		02/03/22 17:36		
Alkalinity,Bicarbonate (CaCO3)	116	mg/L	5.0	1.8	1		02/03/22 17:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 17:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-54 **Lab ID: 92585058003** Collected: 01/25/22 15:28 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.81J	mg/L	1.0	0.60	1		02/02/22 01:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 01:41	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		02/02/22 01:41	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: FB-1		Lab ID: 92585058004		Collected: 01/25/22 16:18	Received: 01/28/22 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:13	7440-66-6		
Calcium	ND	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:13	7440-70-2		
Potassium	ND	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:13	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:13	7440-23-5		
Magnesium	ND	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:13	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:12	7440-36-0		
Arsenic	0.0013J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:12	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:12	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:12	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:12	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:12	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:12	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:12	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:12	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:12	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:12	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:12	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:12	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:12	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:12	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:32	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/01/22 14:08			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/03/22 17:41			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 17:41			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 17:41			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/02/22 01:55	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 01:55	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/02/22 01:55	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-36RA		Lab ID: 92585058005		Collected: 01/26/22 10:35		Received: 01/28/22 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:44		
pH	7.01	Std. Units			1		01/28/22 14:44		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:18	7440-66-6	
Calcium	41.0	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:18	7440-70-2	
Potassium	1.1	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:18	7440-09-7	
Sodium	2.0	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:18	7440-23-5	
Magnesium	21.4	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:18	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:18	7440-38-2	
Barium	0.035	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:18	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:18	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:18	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:18	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:18	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:35	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	184	mg/L	10.0	10.0	1		02/02/22 17:22		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	182	mg/L	5.0	1.8	1		02/03/22 22:13		
Alkalinity,Bicarbonate (CaCO3)	182	mg/L	5.0	1.8	1		02/03/22 22:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:13		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-36RA **Lab ID: 92585058005** Collected: 01/26/22 10:35 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		02/02/22 02:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 02:09	16984-48-8	
Sulfate	7.5	mg/L	1.0	0.50	1		02/02/22 02:09	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-37		Lab ID: 92585058006		Collected: 01/26/22 13:10		Received: 01/28/22 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:44		
pH	4.69	Std. Units			1		01/28/22 14:44		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:23	7440-66-6	
Calcium	0.70J	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:23	7440-70-2	
Potassium	0.38	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:23	7440-09-7	
Sodium	3.1	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:23	7440-23-5	
Magnesium	0.29	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:23	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:36	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:36	7440-38-2	
Barium	0.0046J	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:36	7440-48-4	
Copper	0.013	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:36	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:36	7439-92-1	
Nickel	0.016	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:36	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:36	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:37	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	26.0	mg/L	10.0	10.0	1		02/02/22 17:22		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	6.8	mg/L	5.0	1.8	1		02/03/22 23:14		
Alkalinity,Bicarbonate (CaCO3)	6.8	mg/L	5.0	1.8	1		02/03/22 23:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 23:14		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-37 **Lab ID: 92585058006** Collected: 01/26/22 13:10 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.88J	mg/L	1.0	0.60	1		02/02/22 02:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 02:23	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/02/22 02:23	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWA-51RZ		Lab ID: 92585058007		Collected: 01/26/22 12:45		Received: 01/28/22 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:44		
pH	7.78	Std. Units			1		01/28/22 14:44		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:28	7440-66-6	
Calcium	50.5	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:28	7440-70-2	
Potassium	1.0	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:28	7440-09-7	
Sodium	3.6	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:28	7440-23-5	
Magnesium	23.5	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:28	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:42	7440-36-0	
Arsenic	0.0047J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:42	7440-38-2	
Barium	0.034	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:42	7440-41-7	
Boron	0.0088J	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:42	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:42	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:42	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:40	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	190	mg/L	10.0	10.0	1		02/02/22 17:22		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	184	mg/L	5.0	1.8	1		02/03/22 22:21		
Alkalinity,Bicarbonate (CaCO3)	184	mg/L	5.0	1.8	1		02/03/22 22:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:21		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-51RZ **Lab ID: 92585058007** Collected: 01/26/22 12:45 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.9	mg/L	1.0	0.60	1		02/02/22 02:37	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 02:37	16984-48-8	
Sulfate	22.2	mg/L	1.0	0.50	1		02/02/22 02:37	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: **GWA-53** Lab ID: **92585058008** Collected: 01/26/22 11:45 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:45		
pH	7.72	Std. Units			1		01/28/22 14:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:33	7440-66-6	
Calcium	29.6	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:33	7440-70-2	
Potassium	0.68	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:33	7440-09-7	
Sodium	1.7	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:33	7440-23-5	
Magnesium	16.3	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:33	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:48	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:48	7440-39-3	
Beryllium	0.000070J	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:48	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:48	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:48	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:48	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:48	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:48	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:48	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:48	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:48	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:48	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:48	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:48	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:43	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	131	mg/L	10.0	10.0	1		02/02/22 17:22		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	132	mg/L	5.0	1.8	1		02/03/22 22:26		
Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	1.8	1		02/03/22 22:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:26		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-53 **Lab ID: 92585058008** Collected: 01/26/22 11:45 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.2	mg/L	1.0	0.60	1		02/02/22 03:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 03:18	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		02/02/22 03:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-53R		Lab ID: 92585058009		Collected: 01/26/22 14:20		Received: 01/28/22 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:45		
pH	7.78	Std. Units			1		01/28/22 14:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:37	7440-66-6	
Calcium	30.4	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:37	7440-70-2	
Potassium	0.67	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:37	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:37	7440-23-5	
Magnesium	16.5	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:37	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:53	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:53	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:53	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:53	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:45	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	144	mg/L	10.0	10.0	1		02/02/22 17:23		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	139	mg/L	5.0	1.8	1		02/03/22 22:39		
Alkalinity,Bicarbonate (CaCO3)	139	mg/L	5.0	1.8	1		02/03/22 22:39		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:39		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-53R **Lab ID: 92585058009** Collected: 01/26/22 14:20 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		02/02/22 04:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 04:00	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		02/02/22 04:00	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWA-55	Lab ID: 92585058010	Collected: 01/26/22 15:30	Received: 01/28/22 09:30	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:45		
pH	7.21	Std. Units			1		01/28/22 14:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:42	7440-66-6	
Calcium	53.2	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:42	7440-70-2	
Potassium	1.4	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:42	7440-09-7	
Sodium	0.97J	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:42	7440-23-5	
Magnesium	27.9	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:42	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:59	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:59	7440-47-3	
Cobalt	0.0035J	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:59	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:59	7440-02-0	
Selenium	0.0025J	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 08:45	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	244	mg/L	10.0	10.0	1		02/02/22 17:23		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	190	mg/L	5.0	1.8	1		02/03/22 22:44		
Alkalinity,Bicarbonate (CaCO3)	190	mg/L	5.0	1.8	1		02/03/22 22:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:44		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-55 **Lab ID: 92585058010** Collected: 01/26/22 15:30 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.8	mg/L	1.0	0.60	1		02/02/22 04:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 04:42	16984-48-8	
Sulfate	32.5	mg/L	1.0	0.50	1		02/02/22 04:42	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWA-56		Lab ID: 92585058011		Collected: 01/26/22 16:01		Received: 01/28/22 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:45		
pH	7.45	Std. Units			1		01/28/22 14:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:47	7440-66-6	
Calcium	37.6	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:47	7440-70-2	
Potassium	3.6	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:47	7440-09-7	
Sodium	39.4	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:47	7440-23-5	
Magnesium	22.4	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:47	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:05	7440-36-0	
Arsenic	0.0015J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:05	7440-38-2	
Barium	0.032	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:05	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:05	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:05	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:05	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 08:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	278	mg/L	10.0	10.0	1		02/02/22 17:23		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	216	mg/L	5.0	1.8	1		02/03/22 22:50		
Alkalinity,Bicarbonate (CaCO3)	216	mg/L	5.0	1.8	1		02/03/22 22:50		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:50		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-56 **Lab ID: 92585058011** Collected: 01/26/22 16:01 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.2	mg/L	1.0	0.60	1		02/02/22 04:56	16887-00-6	
Fluoride	0.076J	mg/L	0.10	0.050	1		02/02/22 04:56	16984-48-8	
Sulfate	47.1	mg/L	1.0	0.50	1		02/02/22 04:56	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: DUP-1 **Lab ID: 92585058012** Collected: 01/26/22 00:00 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:52	7440-66-6	
Calcium	53.7	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:52	7440-70-2	
Potassium	1.5	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:52	7440-09-7	
Sodium	1.0	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:52	7440-23-5	
Magnesium	28.3	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:52	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:11	7440-36-0	
Arsenic	0.0020J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:11	7440-38-2	
Barium	0.029	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:11	7440-47-3	
Cobalt	0.0039J	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:11	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:11	7440-02-0	
Selenium	0.0025J	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:11	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 08:58	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	226	mg/L	10.0	10.0	1		02/02/22 17:23		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	193	mg/L	5.0	1.8	1		02/03/22 22:57		
Alkalinity,Bicarbonate (CaCO3)	193	mg/L	5.0	1.8	1		02/03/22 22:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:57		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.8	mg/L	1.0	0.60	1		02/02/22 05:10	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 05:10	16984-48-8	
Sulfate	32.7	mg/L	1.0	0.50	1		02/02/22 05:10	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: FB-2		Lab ID: 92585058013		Collected: 01/26/22 16:15	Received: 01/28/22 09:30	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 16:39	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 16:39	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 16:39	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 16:39	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 16:39	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:17	7440-36-0		
Arsenic	0.0013J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:17	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:17	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:17	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:17	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:17	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:17	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:17	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:17	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:17	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:17	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:17	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:17	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:17	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:17	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:01	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/02/22 17:23			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/03/22 23:03			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 23:03			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 23:03			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/02/22 05:24	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 05:24	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/02/22 05:24	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: EB-1		Lab ID: 92585058014		Collected: 01/26/22 16:10	Received: 01/28/22 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 16:44	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 16:44	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 16:44	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 16:44	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 16:44	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:23	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:23	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:23	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:23	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:23	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:23	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:23	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:23	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:09	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/02/22 17:42		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/03/22 23:07		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 23:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 23:07		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		02/02/22 06:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 06:06	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/02/22 06:06	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWC-18R		Lab ID: 92585058015		Collected: 01/27/22 13:06	Received: 01/28/22 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:46		
pH	7.76	Std. Units			1		01/28/22 14:46		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:15	7440-66-6	
Potassium	0.63	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:15	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:15	7440-23-5	
Calcium	29.3	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:15	7440-70-2	M1
Magnesium	16.4	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:15	7439-95-4	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:29	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:29	7440-39-3	
Beryllium	0.000055J	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:29	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:29	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:29	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:29	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:29	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:29	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:29	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:29	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	146	mg/L	10.0	10.0	1		02/02/22 17:43		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	141	mg/L	5.0	1.8	1		02/04/22 15:23		
Alkalinity,Bicarbonate (CaCO3)	141	mg/L	5.0	1.8	1		02/04/22 15:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 15:23		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-18R **Lab ID: 92585058015** Collected: 01/27/22 13:06 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		02/02/22 06:20	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 06:20	16984-48-8	
Sulfate	2.1	mg/L	1.0	0.50	1		02/02/22 06:20	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWC-19R		Lab ID: 92585058016		Collected: 01/27/22 14:20	Received: 01/28/22 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:46		
pH	7.74	Std. Units			1		01/28/22 14:46		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:35	7440-66-6	
Potassium	0.76	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:35	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:35	7440-23-5	
Calcium	33.2	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:35	7440-70-2	
Magnesium	18.3	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:35	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:47	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:47	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:47	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:47	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:47	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:47	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:47	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:47	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:14	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	149	mg/L	10.0	10.0	1		02/02/22 17:43		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	149	mg/L	5.0	1.8	1		02/04/22 15:29		
Alkalinity,Bicarbonate (CaCO3)	149	mg/L	5.0	1.8	1		02/04/22 15:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 15:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-19R **Lab ID: 92585058016** Collected: 01/27/22 14:20 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		02/02/22 06:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 06:34	16984-48-8	
Sulfate	3.9	mg/L	1.0	0.50	1		02/02/22 06:34	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-20R		Lab ID: 92585058017		Collected: 01/27/22 15:52	Received: 01/28/22 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:46		
pH	7.73	Std. Units			1		01/28/22 14:46		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:39	7440-66-6	
Potassium	0.72	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:39	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:39	7440-23-5	
Calcium	36.2	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:39	7440-70-2	
Magnesium	20.0	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:39	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:53	7440-38-2	
Barium	0.028	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:53	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:53	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:53	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:17	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	176	mg/L	10.0	10.0	1		02/02/22 17:43		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	171	mg/L	5.0	1.8	1		02/04/22 15:34		
Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	1.8	1		02/04/22 15:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 15:34		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-20R **Lab ID: 92585058017** Collected: 01/27/22 15:52 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		02/02/22 06:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 06:47	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/02/22 06:47	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-22R		Lab ID: 92585058018		Collected: 01/27/22 16:00		Received: 01/28/22 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:46		
pH	7.28	Std. Units			1		01/28/22 14:46		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:44	7440-66-6	
Potassium	1.5	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:44	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:44	7440-23-5	
Calcium	36.9	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:44	7440-70-2	
Magnesium	20.0	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:44	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:59	7440-36-0	
Arsenic	0.0045J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:59	7440-38-2	
Barium	0.060	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:59	7440-47-3	
Cobalt	0.0011J	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:59	7439-92-1	
Nickel	0.00076J	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:19	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	167	mg/L	10.0	10.0	1		02/02/22 17:44		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	176	mg/L	5.0	1.8	1		02/04/22 15:40		
Alkalinity,Bicarbonate (CaCO3)	176	mg/L	5.0	1.8	1		02/04/22 15:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 15:40		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-22R **Lab ID: 92585058018** Collected: 01/27/22 16:00 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		02/02/22 07:01	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 07:01	16984-48-8	
Sulfate	1.3	mg/L	1.0	0.50	1		02/02/22 07:01	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-25R **Lab ID: 92585058019** Collected: 01/27/22 13:53 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:46		
pH	7.46	Std. Units			1		01/28/22 14:46		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:49	7440-66-6	
Potassium	0.66	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:49	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:49	7440-23-5	
Calcium	34.4	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:49	7440-70-2	
Magnesium	19.7	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:49	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 21:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 21:05	7440-38-2	
Barium	0.017	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 21:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 21:05	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 21:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 21:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 21:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 21:05	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 21:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 21:05	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 21:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 21:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 21:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 21:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 21:05	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:22	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	168	mg/L	10.0	10.0	1		02/02/22 17:44		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	164	mg/L	5.0	1.8	1		02/04/22 15:45		
Alkalinity,Bicarbonate (CaCO3)	164	mg/L	5.0	1.8	1		02/04/22 15:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 15:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-25R **Lab ID: 92585058019** Collected: 01/27/22 13:53 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		02/04/22 13:50	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/04/22 13:50	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		02/04/22 13:50	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWA-55R **Lab ID: 92585058020** Collected: 01/27/22 12:30 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:47		
pH	7.27	Std. Units			1		01/28/22 14:47		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:54	7440-66-6	
Potassium	1.0	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:54	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:54	7440-23-5	
Calcium	44.4	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:54	7440-70-2	
Magnesium	24.8	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:54	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 21:11	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 21:11	7440-38-2	
Barium	0.032	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 21:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 21:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 21:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 21:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 21:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 21:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 21:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 21:11	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 21:11	7440-02-0	
Selenium	0.0016J	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 21:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 21:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 21:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 21:11	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:25	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	207	mg/L	10.0	10.0	1		02/02/22 17:44		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	181	mg/L	5.0	1.8	1		02/04/22 16:15		
Alkalinity,Bicarbonate (CaCO3)	181	mg/L	5.0	1.8	1		02/04/22 16:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 16:15		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-55R **Lab ID: 92585058020** Collected: 01/27/22 12:30 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.5	mg/L	1.0	0.60	1		02/04/22 14:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/04/22 14:04	16984-48-8	
Sulfate	20.7	mg/L	1.0	0.50	1		02/04/22 14:04	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: DUP-2		Lab ID: 92585058021		Collected: 01/27/22 00:00		Received: 01/28/22 09:30		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:58	7440-66-6	
Potassium	0.72	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:58	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:58	7440-23-5	
Calcium	30.8	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:58	7440-70-2	
Magnesium	16.8	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:58	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00090J	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 14:55	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 14:55	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 14:55	7440-39-3	
Beryllium	0.000056J	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 14:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 14:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 14:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 14:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 14:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 14:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 14:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 14:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 14:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 14:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 14:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 14:55	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:27	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	147	mg/L	10.0	10.0	1		02/02/22 17:45		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	141	mg/L	5.0	1.8	1		02/04/22 16:20		
Alkalinity,Bicarbonate (CaCO3)	141	mg/L	5.0	1.8	1		02/04/22 16:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 16:20		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		02/04/22 14:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/04/22 14:18	16984-48-8	
Sulfate	2.1	mg/L	1.0	0.50	1		02/04/22 14:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: FB-3 **Lab ID: 92585058022** Collected: 01/27/22 16:30 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:13	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:13	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:13	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:13	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:13	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 15:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:01	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 15:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 15:01	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 15:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 15:01	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 15:01	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 15:01	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 15:01	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 15:01	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 15:01	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 15:01	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 15:01	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 15:01	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:30	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/02/22 17:45		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/04/22 16:24		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 16:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 16:24		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/04/22 15:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/04/22 15:00	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/04/22 15:00	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWC-16R		Lab ID: 92585058023		Collected: 01/28/22 09:38		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/01/22 17:21		
pH	7.31	Std. Units			1		02/01/22 17:21		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.026	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:17	7440-66-6	
Potassium	5.7	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:17	7440-09-7	
Sodium	28.5	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:17	7440-23-5	
Calcium	68.5	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:17	7440-70-2	
Magnesium	23.9	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:17	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.027	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 15:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:21	7440-38-2	
Barium	0.049	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 15:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 15:21	7440-41-7	
Boron	0.021J	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 15:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 15:21	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 15:21	7440-48-4	
Copper	0.00088J	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 15:21	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 15:21	7439-92-1	
Nickel	0.0063	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 15:21	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 15:21	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 15:21	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 15:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 15:21	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:38	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	317	mg/L	10.0	10.0	1		02/03/22 12:41		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	315	mg/L	5.0	1.8	1		02/08/22 21:45		
Alkalinity,Bicarbonate (CaCO3)	315	mg/L	5.0	1.8	1		02/08/22 21:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 21:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-16R **Lab ID: 92585058023** Collected: 01/28/22 09:38 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		02/06/22 04:03	16887-00-6	
Fluoride	0.17	mg/L	0.10	0.050	1		02/06/22 04:03	16984-48-8	
Sulfate	11.9	mg/L	1.0	0.50	1		02/06/22 04:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWC-17R		Lab ID: 92585058024		Collected: 01/28/22 10:20		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/01/22 17:21		
pH	7.34	Std. Units			1		02/01/22 17:21		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:22	7440-66-6	
Potassium	0.73	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:22	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:22	7440-23-5	
Calcium	64.7	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:22	7440-70-2	
Magnesium	35.4	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:22	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 15:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:45	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 15:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 15:45	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 15:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 15:45	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 15:45	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 15:45	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 15:45	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 15:45	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 15:45	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 15:45	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 15:45	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 15:45	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:40	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	302	mg/L	10.0	10.0	1		02/03/22 12:41		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	300	mg/L	5.0	1.8	1		02/08/22 21:53		
Alkalinity,Bicarbonate (CaCO3)	300	mg/L	5.0	1.8	1		02/08/22 21:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 21:53		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-17R **Lab ID: 92585058024** Collected: 01/28/22 10:20 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.6	mg/L	1.0	0.60	1		02/06/22 04:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 04:17	16984-48-8	
Sulfate	7.6	mg/L	1.0	0.50	1		02/06/22 04:17	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWC-18		Lab ID: 92585058025		Collected: 01/28/22 12:04		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/01/22 17:21		
pH	6.60	Std. Units			1		02/01/22 17:21		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:27	7440-66-6	
Potassium	1.1	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:27	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:27	7440-23-5	
Calcium	19.1	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:27	7440-70-2	
Magnesium	10.7	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:27	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 15:51	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:51	7440-38-2	
Barium	0.044	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 15:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 15:51	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 15:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 15:51	7440-43-9	
Chromium	0.0014J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 15:51	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 15:51	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 15:51	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 15:51	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 15:51	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 15:51	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 15:51	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 15:51	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:43	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	99.0	mg/L	10.0	10.0	1		02/03/22 12:41		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	84.7	mg/L	5.0	1.8	1		02/08/22 22:00		
Alkalinity,Bicarbonate (CaCO3)	84.7	mg/L	5.0	1.8	1		02/08/22 22:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:00		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-18 **Lab ID: 92585058025** Collected: 01/28/22 12:04 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.1	mg/L	1.0	0.60	1		02/06/22 04:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 04:31	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		02/06/22 04:31	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-21R		Lab ID: 92585058026		Collected: 01/28/22 12:17		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/01/22 17:21		
pH	6.69	Std. Units			1		02/01/22 17:21		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:32	7440-66-6	
Potassium	1.5	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:32	7440-09-7	
Sodium	15.1	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:32	7440-23-5	
Calcium	60.0	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:32	7440-70-2	
Magnesium	29.9	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:32	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0061	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 18:21	7440-36-0	B
Arsenic	0.0031J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:21	7440-38-2	
Barium	0.037	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 18:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 18:21	7440-41-7	
Boron	0.011J	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 18:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 18:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 18:21	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 18:21	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 18:21	7439-92-1	
Nickel	0.0014J	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 18:21	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 18:21	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 18:21	7440-22-4	
Thallium	0.00021J	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 18:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 18:21	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	290	mg/L	10.0	10.0	1		02/03/22 12:41		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	288	mg/L	5.0	1.8	1		02/08/22 22:05		
Alkalinity,Bicarbonate (CaCO3)	288	mg/L	5.0	1.8	1		02/08/22 22:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-21R **Lab ID: 92585058026** Collected: 01/28/22 12:17 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.6	mg/L	1.0	0.60	1		02/06/22 04:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 04:45	16984-48-8	
Sulfate	13.7	mg/L	1.0	0.50	1		02/06/22 04:45	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-23R		Lab ID: 92585058027		Collected: 01/28/22 11:07		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/01/22 17:22		
pH	7.38	Std. Units			1		02/01/22 17:22		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.0099J	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:36	7440-66-6	
Potassium	1.4	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:36	7440-09-7	
Sodium	74.7	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:36	7440-23-5	
Calcium	64.9	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:36	7440-70-2	
Magnesium	34.0	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:36	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 18:27	7440-36-0	
Arsenic	0.0026J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:27	7440-38-2	
Barium	0.036	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 18:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 18:27	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 18:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 18:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 18:27	7440-48-4	
Copper	0.00068J	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 18:27	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 18:27	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 18:27	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 18:27	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 18:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 18:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 18:27	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:48	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	454	mg/L	20.0	20.0	1		02/03/22 12:41		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	345	mg/L	5.0	1.8	1		02/08/22 22:12		
Alkalinity,Bicarbonate (CaCO3)	345	mg/L	5.0	1.8	1		02/08/22 22:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:12		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-23R **Lab ID: 92585058027** Collected: 01/28/22 11:07 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.7	mg/L	1.0	0.60	1		02/06/22 04:59	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 04:59	16984-48-8	
Sulfate	98.4	mg/L	2.0	1.0	2		02/06/22 07:35	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: GWC-24R		Lab ID: 92585058028		Collected: 01/28/22 10:35	Received: 02/01/22 11:22	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/01/22 17:22		
pH	7.68	Std. Units			1		02/01/22 17:22		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:41	7440-66-6	
Potassium	0.87	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:41	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:41	7440-23-5	
Calcium	34.4	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:41	7440-70-2	
Magnesium	18.9	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:41	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 18:33	7440-36-0	
Arsenic	0.0021J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:33	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 18:33	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 18:33	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 18:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 18:33	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 18:33	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 18:33	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 18:33	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 18:33	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 18:33	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 18:33	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 18:33	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 18:33	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:51	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	159	mg/L	10.0	10.0	1		02/03/22 12:41		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	148	mg/L	5.0	1.8	1		02/08/22 22:20		
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	1.8	1		02/08/22 22:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:20		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-24R **Lab ID: 92585058028** Collected: 01/28/22 10:35 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.2	mg/L	1.0	0.60	1		02/06/22 05:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 05:41	16984-48-8	
Sulfate	2.3	mg/L	1.0	0.50	1		02/06/22 05:41	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: DUP-3		Lab ID: 92585058029		Collected: 01/28/22 00:00	Received: 02/01/22 11:22	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:46	7440-66-6	
Potassium	0.83	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:46	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:46	7440-23-5	
Calcium	33.5	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:46	7440-70-2	
Magnesium	18.5	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:46	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 18:39	7440-36-0	
Arsenic	0.0015J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:39	7440-38-2	
Barium	0.023	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 18:39	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 18:39	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 18:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 18:39	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 18:39	7440-48-4	
Copper	0.00054J	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 18:39	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 18:39	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 18:39	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 18:39	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 18:39	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 18:39	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 18:39	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:53	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	156	mg/L	10.0	10.0	1		02/03/22 12:42		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	148	mg/L	5.0	1.8	1		02/08/22 22:25		
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	1.8	1		02/08/22 22:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:25		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	2.2	mg/L	1.0	0.60	1		02/06/22 05:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 05:55	16984-48-8	
Sulfate	2.3	mg/L	1.0	0.50	1		02/06/22 05:55	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Sample: FB-4		Lab ID: 92585058030		Collected: 01/28/22 11:55	Received: 02/01/22 11:22	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:56	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:56	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:56	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:56	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:56	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 18:45	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:45	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 18:45	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 18:45	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 18:45	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 18:45	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:45	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 18:45	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 18:45	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 18:45	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 18:45	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 18:45	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 18:45	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 18:45	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 18:45	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 11:00	02/09/22 15:40	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/03/22 12:42			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	1.8	1		02/08/22 22:37			
Alkalinity,Bicarbonate (CaCO ₃)	ND	mg/L	5.0	1.8	1		02/08/22 22:37			
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	1.8	1		02/08/22 22:37			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/07/22 00:27	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 00:27	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/07/22 00:27	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch:	676146	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012		

METHOD BLANK:	3539086	Matrix:	Water
Associated Lab Samples:	92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/07/22 20:25	
Magnesium	mg/L	ND	0.050	0.012	02/07/22 20:25	
Potassium	mg/L	ND	0.20	0.15	02/07/22 20:25	
Sodium	mg/L	ND	1.0	0.58	02/07/22 20:25	
Zinc	mg/L	ND	0.020	0.0085	02/07/22 20:25	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.98J	98	80-120	
Magnesium	mg/L	1	1.0	103	80-120	
Potassium	mg/L	1	0.99	99	80-120	
Sodium	mg/L	1	1.1	106	80-120	
Zinc	mg/L	1	0.98	98	80-120	

Parameter	Units	3539088		3539089		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Result	MSD Result						
Calcium	mg/L	1.1	1	1	2.1	2.1	102	100	75-125	1	20
Magnesium	mg/L	0.44	1	1	1.5	1.5	102	103	75-125	1	20
Potassium	mg/L	0.46	1	1	1.4	1.4	94	96	75-125	1	20
Sodium	mg/L	3.5	1	1	4.6	4.5	104	97	75-125	2	20
Zinc	mg/L	ND	1	1	0.98	0.98	98	98	75-125	0	20

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch: 677117 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

METHOD BLANK: 3543806 Matrix: Water
Associated Lab Samples: 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/10/22 16:30	
Magnesium	mg/L	ND	0.050	0.012	02/10/22 16:30	
Potassium	mg/L	ND	0.20	0.15	02/10/22 16:30	
Sodium	mg/L	ND	1.0	0.58	02/10/22 16:30	
Zinc	mg/L	ND	0.020	0.0085	02/10/22 16:30	

LABORATORY CONTROL SAMPLE: 3543807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	107	80-120	
Magnesium	mg/L	1	1.1	110	80-120	
Potassium	mg/L	1	1.0	104	80-120	
Sodium	mg/L	1	1.1	110	80-120	
Zinc	mg/L	1	1.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3543808 3543809

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result	% Rec	% Rec						
Calcium	mg/L	1	29.3	1	31.1	174	218	75-125	1	20	M1		
Magnesium	mg/L	1	16.4	1	18.1	172	172	75-125	0	20	M1		
Potassium	mg/L	1	0.63	1	1.7	104	108	75-125	3	20			
Sodium	mg/L	1	1.4	1	2.4	99	105	75-125	2	20			
Zinc	mg/L	1	ND	1	0.96	96	100	75-125	4	20			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch: 677120 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020

METHOD BLANK: 3543812 Matrix: Water
Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/11/22 18:24	
Arsenic	mg/L	ND	0.0050	0.0011	02/11/22 18:24	
Barium	mg/L	ND	0.0050	0.00067	02/11/22 18:24	
Beryllium	mg/L	ND	0.00050	0.000054	02/11/22 18:24	
Boron	mg/L	ND	0.040	0.0086	02/11/22 18:24	
Cadmium	mg/L	ND	0.00050	0.00011	02/11/22 18:24	
Chromium	mg/L	ND	0.0050	0.0011	02/11/22 18:24	
Cobalt	mg/L	ND	0.0050	0.00039	02/11/22 18:24	
Copper	mg/L	ND	0.0050	0.00050	02/11/22 18:24	
Lead	mg/L	ND	0.0010	0.00089	02/11/22 18:24	
Nickel	mg/L	ND	0.0050	0.00071	02/11/22 18:24	
Selenium	mg/L	ND	0.0050	0.0014	02/11/22 18:24	
Silver	mg/L	ND	0.0050	0.00044	02/11/22 18:24	
Thallium	mg/L	ND	0.0010	0.00018	02/11/22 18:24	
Vanadium	mg/L	ND	0.010	0.0019	02/11/22 18:24	

LABORATORY CONTROL SAMPLE: 3543813

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	108	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.10	105	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Copper	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.094	94	80-120	
Nickel	mg/L	0.1	0.11	106	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.10	104	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Parameter	Units	3543814		3543815		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92585058002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	104	110	75-125	6	20	
Arsenic	mg/L	0.0030J	0.1	0.1	0.10	0.10	97	97	75-125	1	20	
Barium	mg/L	0.023	0.1	0.1	0.13	0.14	106	122	75-125	11	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.11	102	108	75-125	6	20	
Boron	mg/L	ND	1	1	1.0	1.1	102	109	75-125	7	20	
Cadmium	mg/L	ND	0.1	0.1	0.099	0.10	99	101	75-125	2	20	
Chromium	mg/L	0.0012J	0.1	0.1	0.098	0.10	97	99	75-125	3	20	
Cobalt	mg/L	ND	0.1	0.1	0.095	0.10	95	100	75-125	5	20	
Copper	mg/L	ND	0.1	0.1	0.095	0.099	94	99	75-125	4	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.099	94	99	75-125	5	20	
Nickel	mg/L	ND	0.1	0.1	0.096	0.10	96	102	75-125	6	20	
Selenium	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	3	20	
Silver	mg/L	ND	0.1	0.1	0.099	0.11	99	105	75-125	6	20	
Thallium	mg/L	ND	0.1	0.1	0.096	0.10	96	100	75-125	5	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	98	102	75-125	4	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch:	677647	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

METHOD BLANK: 3546468 Matrix: Water
Associated Lab Samples: 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00078J	0.0030	0.00078	02/14/22 14:43	
Arsenic	mg/L	ND	0.0050	0.0011	02/14/22 14:43	
Barium	mg/L	ND	0.0050	0.00067	02/14/22 14:43	
Beryllium	mg/L	ND	0.00050	0.000054	02/14/22 14:43	
Boron	mg/L	ND	0.040	0.0086	02/14/22 14:43	
Cadmium	mg/L	ND	0.00050	0.00011	02/14/22 14:43	
Chromium	mg/L	ND	0.0050	0.0011	02/14/22 14:43	
Cobalt	mg/L	ND	0.0050	0.00039	02/14/22 14:43	
Copper	mg/L	ND	0.0050	0.00050	02/14/22 14:43	
Lead	mg/L	ND	0.0010	0.00089	02/14/22 14:43	
Nickel	mg/L	ND	0.0050	0.00071	02/14/22 14:43	
Selenium	mg/L	ND	0.0050	0.0014	02/14/22 14:43	
Silver	mg/L	ND	0.0050	0.00044	02/14/22 14:43	
Thallium	mg/L	ND	0.0010	0.00018	02/14/22 14:43	
Vanadium	mg/L	ND	0.010	0.0019	02/14/22 14:43	

LABORATORY CONTROL SAMPLE: 3546469

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	109	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.11	107	80-120	
Chromium	mg/L	0.1	0.11	107	80-120	
Cobalt	mg/L	0.1	0.11	108	80-120	
Copper	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.11	107	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	102	80-120	
Vanadium	mg/L	0.1	0.11	105	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Parameter	Units	92585058023		3546470		3546471		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	0.027	0.1	0.1	0.13	0.14	107	110	75-125	3	20			
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	1	20			
Barium	mg/L	0.049	0.1	0.1	0.16	0.17	115	119	75-125	3	20			
Beryllium	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20			
Boron	mg/L	0.021J	1	1	0.95	0.96	93	94	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	105	105	75-125	0	20			
Chromium	mg/L	0.0011J	0.1	0.1	0.10	0.10	104	100	75-125	3	20			
Cobalt	mg/L	ND	0.1	0.1	0.10	0.095	100	95	75-125	6	20			
Copper	mg/L	0.00088J	0.1	0.1	0.097	0.091	96	91	75-125	6	20			
Lead	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	0	20			
Nickel	mg/L	0.0063	0.1	0.1	0.11	0.099	99	92	75-125	7	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	99	102	75-125	3	20			
Silver	mg/L	ND	0.1	0.1	0.099	0.10	99	101	75-125	3	20			
Thallium	mg/L	ND	0.1	0.1	0.096	0.098	96	98	75-125	2	20			
Vanadium	mg/L	ND	0.1	0.1	0.11	0.10	106	101	75-125	5	20			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch:	676529	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008, 92585058009

METHOD BLANK: 3541084 Matrix: Water
Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008, 92585058009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/08/22 14:45	

LABORATORY CONTROL SAMPLE: 3541085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3541086 3541087

Parameter	Units	92583955017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0023	90	87	75-125	3	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch:	676728	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058010, 92585058011, 92585058012, 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029

METHOD BLANK: 3541855 Matrix: Water

Associated Lab Samples: 92585058010, 92585058011, 92585058012, 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/09/22 08:40	

LABORATORY CONTROL SAMPLE: 3541856

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0022	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3541857 3541858

Parameter	Units	92585058010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0024	92	94	75-125	2	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch: 677024	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058030

METHOD BLANK: 3543214 Matrix: Water
Associated Lab Samples: 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/09/22 15:30	

LABORATORY CONTROL SAMPLE: 3543215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3543216 3543217

Parameter	Units	3543216		3543217		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	92585717001 ND	0.0025	0.0025	0.0025	0.0024	98	95	75-125	4	20

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch: 675202	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004

METHOD BLANK: 3533883 Matrix: Water
Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/01/22 14:06	

LABORATORY CONTROL SAMPLE: 3533884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	80-120	

SAMPLE DUPLICATE: 3533885

Parameter	Units	92584543008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	57.0	52.0	9	25	

SAMPLE DUPLICATE: 3533886

Parameter	Units	92585000001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	56.0	66.0	16	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch: 675522 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013

METHOD BLANK: 3535377 Matrix: Water
Associated Lab Samples: 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/02/22 17:20	

LABORATORY CONTROL SAMPLE: 3535378

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	382	96	80-120	

SAMPLE DUPLICATE: 3535379

Parameter	Units	92583955021 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	290	301	4	25	

SAMPLE DUPLICATE: 3535380

Parameter	Units	92584814001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	4960000 ug/L	4580	8	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch:	675523	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022

METHOD BLANK: 3535385 Matrix: Water
Associated Lab Samples: 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/02/22 17:42	

LABORATORY CONTROL SAMPLE: 3535386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	382	96	80-120	

SAMPLE DUPLICATE: 3535387

Parameter	Units	92585058014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 3535388

Parameter	Units	92585058019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	168	193	14	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 675783

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

METHOD BLANK: 3536822

Matrix: Water

Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/03/22 12:37	

LABORATORY CONTROL SAMPLE: 3536823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	376	94	80-120	

SAMPLE DUPLICATE: 3536824

Parameter	Units	92584785018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	274	288	5	25	

SAMPLE DUPLICATE: 3536825

Parameter	Units	92583603003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	155	146	6	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 796924

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004

METHOD BLANK: 4235804

Matrix: Water

Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/03/22 14:42	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/03/22 14:42	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/03/22 14:42	

LABORATORY CONTROL SAMPLE & LCSD: 4235805

4235806

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	41.8	42.0	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4235807

4235808

Parameter	Units	10595854005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	127	40	40	166	166	99	98	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4235809

4235810

Parameter	Units	92585058002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	132	40	40	171	170	98	97	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch:	797156	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014

METHOD BLANK: 4236642 Matrix: Water
Associated Lab Samples: 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/03/22 20:09	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/03/22 20:09	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/03/22 20:09	

LABORATORY CONTROL SAMPLE & LCSD: 4236643 4236644

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	42.2	42.2	106	106	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4236645 4236646

Parameter	Units	10595801002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	73.8	40	40	114	114	101	102	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4236647 4236648

Parameter	Units	10595871007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	884	40	40	923	924	98	100	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 797193

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022

METHOD BLANK: 4236738

Matrix: Water

Associated Lab Samples: 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	5.0	1.8	02/04/22 14:59	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	5.0	1.8	02/04/22 14:59	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	5.0	1.8	02/04/22 14:59	

LABORATORY CONTROL SAMPLE & LCSD: 4236739

4236740

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	40	42.0	41.9	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4236741

4236742

Parameter	Units	10595930001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	191	40	40	229	231	95	99	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4236743

4236744

Parameter	Units	10595930002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	82.0	40	40	121	121	98	98	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch:	797866	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

METHOD BLANK: 4239372 Matrix: Water
Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/08/22 21:36	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/08/22 21:36	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/08/22 21:36	

LABORATORY CONTROL SAMPLE & LCSD: 4239373 4239374

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	41.8	41.3	104	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4239375 4239376

Parameter	Units	10596751001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	22.6	40	40	53.6	59.6	78	93	80-120	10	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4239377 4239378

Parameter	Units	92585555002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	84.2	40	40	121	124	92	100	80-120	2	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch:	675177	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008

METHOD BLANK: 3533812 Matrix: Water
Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/01/22 19:53	
Fluoride	mg/L	ND	0.10	0.050	02/01/22 19:53	
Sulfate	mg/L	ND	1.0	0.50	02/01/22 19:53	

LABORATORY CONTROL SAMPLE: 3533813

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.1	106	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3533814 3533815

Parameter	Units	92584984011		3533815		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	5.8	50	50	56.4	57.4	101	103	90-110	2	10
Fluoride	mg/L	0.48	2.5	2.5	2.9	3.0	98	100	90-110	2	10
Sulfate	mg/L	27.5	50	50	77.3	79.0	99	103	90-110	2	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3533816 3533817

Parameter	Units	92584984021		3533817		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	7.7	50	50	59.9	57.3	104	99	90-110	4	10
Fluoride	mg/L	0.19	2.5	2.5	2.6	2.4	95	90	90-110	5	10
Sulfate	mg/L	87.5	50	50	115	114	56	52	90-110	1	10 M1

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch:	675178	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018

METHOD BLANK:	3533818	Matrix:	Water
---------------	---------	---------	-------

Associated Lab Samples: 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/02/22 03:33	
Fluoride	mg/L	ND	0.10	0.050	02/02/22 03:33	
Sulfate	mg/L	ND	1.0	0.50	02/02/22 03:33	

LABORATORY CONTROL SAMPLE: 3533819						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.5	99	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	48.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3533820												3533821	
Parameter	Units	92585058009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	2.4	50	50	56.3	53.9	108	103	90-110	4	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.4	101	96	90-110	5	10		
Sulfate	mg/L	1.6	50	50	55.3	54.4	107	106	90-110	2	10		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch: 675484 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92585058019, 92585058020, 92585058021, 92585058022

METHOD BLANK: 3535178 Matrix: Water
Associated Lab Samples: 92585058019, 92585058020, 92585058021, 92585058022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/04/22 12:13	
Fluoride	mg/L	ND	0.10	0.050	02/04/22 12:13	
Sulfate	mg/L	ND	1.0	0.50	02/04/22 12:13	

LABORATORY CONTROL SAMPLE: 3535179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	49.3	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3535180 3535181

Parameter	Units	92585451002		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	65.5	50	50	50	101	102	71	74	90-110	1	10	M1
Fluoride	mg/L	0.46	2.5	2.5	2.5	2.9	2.9	97	97	90-110	0	10	
Sulfate	mg/L	122	50	50	50	169	170	94	96	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3535182 3535183

Parameter	Units	92584785016		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	4.9	50	50	50	57.1	56.8	104	104	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	2.5	100	100	90-110	0	10	
Sulfate	mg/L	89.9	50	50	50	117	117	54	55	90-110	0	10	M1

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch:	676288	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029

METHOD BLANK: 3539901 Matrix: Water
Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/06/22 17:16	
Fluoride	mg/L	ND	0.10	0.050	02/06/22 17:16	
Sulfate	mg/L	ND	1.0	0.50	02/06/22 17:16	

LABORATORY CONTROL SAMPLE: 3539902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.2	104	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3539903 3539904

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92586144012 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	4.2	50	50	63.7	64.4	119	120	90-110	1	10	M1	
Fluoride	mg/L	ND	2.5	2.5	2.9	2.9	113	116	90-110	2	10	M1	
Sulfate	mg/L	3.0	50	50	62.0	62.7	118	119	90-110	1	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3539905 3539906

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92586259001 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	46.0	50	50	84.0	85.4	76	79	90-110	2	10	M1	
Fluoride	mg/L	9.9	2.5	2.5	11.5	10.9	64	38	90-110	6	10	M1	
Sulfate	mg/L	750	50	50	782	783	64	65	90-110	0	10	M1	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch: 676332 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92585058030

METHOD BLANK: 3540061 Matrix: Water
Associated Lab Samples: 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/06/22 23:27	
Fluoride	mg/L	ND	0.10	0.050	02/06/22 23:27	
Sulfate	mg/L	ND	1.0	0.50	02/06/22 23:27	

LABORATORY CONTROL SAMPLE: 3540062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.3	95	90-110	
Fluoride	mg/L	2.5	2.3	92	90-110	
Sulfate	mg/L	50	45.8	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3540063 3540064

Parameter	Units	92585058030		3540063		3540064		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	ND	ND	50	50	48.9	49.4	98	99	90-110	1	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.3	2.3	92	93	90-110	1	10	
Sulfate	mg/L	ND	ND	50	50	48.2	48.7	96	97	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3540065 3540066

Parameter	Units	9258555010		3540065		3540066		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	4.8	4.8	50	50	55.6	55.1	102	101	90-110	1	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.5	2.5	100	100	90-110	0	10	
Sulfate	mg/L	1.2	1.2	50	50	51.6	51.1	101	100	90-110	1	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

BC The same analyte was detected in an associated blank at a concentration above 1/2 the reporting limit but below the laboratory reporting limit.

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585058001	GWA-38				
92585058002	GWA-52				
92585058003	GWA-54				
92585058005	GWA-36RA				
92585058006	GWA-37				
92585058007	GWA-51RZ				
92585058008	GWA-53				
92585058009	GWA-53R				
92585058010	GWA-55				
92585058011	GWA-56				
92585058015	GWC-18R				
92585058016	GWC-19R				
92585058017	GWC-20R				
92585058018	GWC-22R				
92585058019	GWC-25R				
92585058020	GWA-55R				
92585058023	GWC-16R				
92585058024	GWC-17R				
92585058025	GWC-18				
92585058026	GWC-21R				
92585058027	GWC-23R				
92585058028	GWC-24R				
92585058001	GWA-38	EPA 3010A	676146	EPA 6010D	676271
92585058002	GWA-52	EPA 3010A	676146	EPA 6010D	676271
92585058003	GWA-54	EPA 3010A	676146	EPA 6010D	676271
92585058004	FB-1	EPA 3010A	676146	EPA 6010D	676271
92585058005	GWA-36RA	EPA 3010A	676146	EPA 6010D	676271
92585058006	GWA-37	EPA 3010A	676146	EPA 6010D	676271
92585058007	GWA-51RZ	EPA 3010A	676146	EPA 6010D	676271
92585058008	GWA-53	EPA 3010A	676146	EPA 6010D	676271
92585058009	GWA-53R	EPA 3010A	676146	EPA 6010D	676271
92585058010	GWA-55	EPA 3010A	676146	EPA 6010D	676271
92585058011	GWA-56	EPA 3010A	676146	EPA 6010D	676271
92585058012	DUP-1	EPA 3010A	676146	EPA 6010D	676271
92585058013	FB-2	EPA 3010A	677117	EPA 6010D	677432
92585058014	EB-1	EPA 3010A	677117	EPA 6010D	677432
92585058015	GWC-18R	EPA 3010A	677117	EPA 6010D	677432
92585058016	GWC-19R	EPA 3010A	677117	EPA 6010D	677432
92585058017	GWC-20R	EPA 3010A	677117	EPA 6010D	677432
92585058018	GWC-22R	EPA 3010A	677117	EPA 6010D	677432
92585058019	GWC-25R	EPA 3010A	677117	EPA 6010D	677432
92585058020	GWA-55R	EPA 3010A	677117	EPA 6010D	677432
92585058021	DUP-2	EPA 3010A	677117	EPA 6010D	677432
92585058022	FB-3	EPA 3010A	677117	EPA 6010D	677432
92585058023	GWC-16R	EPA 3010A	677117	EPA 6010D	677432
92585058024	GWC-17R	EPA 3010A	677117	EPA 6010D	677432
92585058025	GWC-18	EPA 3010A	677117	EPA 6010D	677432
92585058026	GWC-21R	EPA 3010A	677117	EPA 6010D	677432

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585058027	GWC-23R	EPA 3010A	677117	EPA 6010D	677432
92585058028	GWC-24R	EPA 3010A	677117	EPA 6010D	677432
92585058029	DUP-3	EPA 3010A	677117	EPA 6010D	677432
92585058030	FB-4	EPA 3010A	677117	EPA 6010D	677432
92585058001	GWA-38	EPA 3005A	677120	EPA 6020B	677422
92585058002	GWA-52	EPA 3005A	677120	EPA 6020B	677422
92585058003	GWA-54	EPA 3005A	677120	EPA 6020B	677422
92585058004	FB-1	EPA 3005A	677120	EPA 6020B	677422
92585058005	GWA-36RA	EPA 3005A	677120	EPA 6020B	677422
92585058006	GWA-37	EPA 3005A	677120	EPA 6020B	677422
92585058007	GWA-51RZ	EPA 3005A	677120	EPA 6020B	677422
92585058008	GWA-53	EPA 3005A	677120	EPA 6020B	677422
92585058009	GWA-53R	EPA 3005A	677120	EPA 6020B	677422
92585058010	GWA-55	EPA 3005A	677120	EPA 6020B	677422
92585058011	GWA-56	EPA 3005A	677120	EPA 6020B	677422
92585058012	DUP-1	EPA 3005A	677120	EPA 6020B	677422
92585058013	FB-2	EPA 3005A	677120	EPA 6020B	677422
92585058014	EB-1	EPA 3005A	677120	EPA 6020B	677422
92585058015	GWC-18R	EPA 3005A	677120	EPA 6020B	677422
92585058016	GWC-19R	EPA 3005A	677120	EPA 6020B	677422
92585058017	GWC-20R	EPA 3005A	677120	EPA 6020B	677422
92585058018	GWC-22R	EPA 3005A	677120	EPA 6020B	677422
92585058019	GWC-25R	EPA 3005A	677120	EPA 6020B	677422
92585058020	GWA-55R	EPA 3005A	677120	EPA 6020B	677422
92585058021	DUP-2	EPA 3005A	677647	EPA 6020B	677773
92585058022	FB-3	EPA 3005A	677647	EPA 6020B	677773
92585058023	GWC-16R	EPA 3005A	677647	EPA 6020B	677773
92585058024	GWC-17R	EPA 3005A	677647	EPA 6020B	677773
92585058025	GWC-18	EPA 3005A	677647	EPA 6020B	677773
92585058026	GWC-21R	EPA 3005A	677647	EPA 6020B	677773
92585058027	GWC-23R	EPA 3005A	677647	EPA 6020B	677773
92585058028	GWC-24R	EPA 3005A	677647	EPA 6020B	677773
92585058029	DUP-3	EPA 3005A	677647	EPA 6020B	677773
92585058030	FB-4	EPA 3005A	677647	EPA 6020B	677773
92585058001	GWA-38	EPA 7470A	676529	EPA 7470A	676769
92585058002	GWA-52	EPA 7470A	676529	EPA 7470A	676769
92585058003	GWA-54	EPA 7470A	676529	EPA 7470A	676769
92585058004	FB-1	EPA 7470A	676529	EPA 7470A	676769
92585058005	GWA-36RA	EPA 7470A	676529	EPA 7470A	676769
92585058006	GWA-37	EPA 7470A	676529	EPA 7470A	676769
92585058007	GWA-51RZ	EPA 7470A	676529	EPA 7470A	676769
92585058008	GWA-53	EPA 7470A	676529	EPA 7470A	676769
92585058009	GWA-53R	EPA 7470A	676529	EPA 7470A	676769
92585058010	GWA-55	EPA 7470A	676728	EPA 7470A	676959
92585058011	GWA-56	EPA 7470A	676728	EPA 7470A	676959
92585058012	DUP-1	EPA 7470A	676728	EPA 7470A	676959
92585058013	FB-2	EPA 7470A	676728	EPA 7470A	676959

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585058014	EB-1	EPA 7470A	676728	EPA 7470A	676959
92585058015	GWC-18R	EPA 7470A	676728	EPA 7470A	676959
92585058016	GWC-19R	EPA 7470A	676728	EPA 7470A	676959
92585058017	GWC-20R	EPA 7470A	676728	EPA 7470A	676959
92585058018	GWC-22R	EPA 7470A	676728	EPA 7470A	676959
92585058019	GWC-25R	EPA 7470A	676728	EPA 7470A	676959
92585058020	GWA-55R	EPA 7470A	676728	EPA 7470A	676959
92585058021	DUP-2	EPA 7470A	676728	EPA 7470A	676959
92585058022	FB-3	EPA 7470A	676728	EPA 7470A	676959
92585058023	GWC-16R	EPA 7470A	676728	EPA 7470A	676959
92585058024	GWC-17R	EPA 7470A	676728	EPA 7470A	676959
92585058025	GWC-18	EPA 7470A	676728	EPA 7470A	676959
92585058026	GWC-21R	EPA 7470A	676728	EPA 7470A	676959
92585058027	GWC-23R	EPA 7470A	676728	EPA 7470A	676959
92585058028	GWC-24R	EPA 7470A	676728	EPA 7470A	676959
92585058029	DUP-3	EPA 7470A	676728	EPA 7470A	676959
92585058030	FB-4	EPA 7470A	677024	EPA 7470A	677121
92585058001	GWA-38	SM 2540C-2015	675202		
92585058002	GWA-52	SM 2540C-2015	675202		
92585058003	GWA-54	SM 2540C-2015	675202		
92585058004	FB-1	SM 2540C-2015	675202		
92585058005	GWA-36RA	SM 2540C-2015	675522		
92585058006	GWA-37	SM 2540C-2015	675522		
92585058007	GWA-51RZ	SM 2540C-2015	675522		
92585058008	GWA-53	SM 2540C-2015	675522		
92585058009	GWA-53R	SM 2540C-2015	675522		
92585058010	GWA-55	SM 2540C-2015	675522		
92585058011	GWA-56	SM 2540C-2015	675522		
92585058012	DUP-1	SM 2540C-2015	675522		
92585058013	FB-2	SM 2540C-2015	675522		
92585058014	EB-1	SM 2540C-2015	675523		
92585058015	GWC-18R	SM 2540C-2015	675523		
92585058016	GWC-19R	SM 2540C-2015	675523		
92585058017	GWC-20R	SM 2540C-2015	675523		
92585058018	GWC-22R	SM 2540C-2015	675523		
92585058019	GWC-25R	SM 2540C-2015	675523		
92585058020	GWA-55R	SM 2540C-2015	675523		
92585058021	DUP-2	SM 2540C-2015	675523		
92585058022	FB-3	SM 2540C-2015	675523		
92585058023	GWC-16R	SM 2540C-2015	675783		
92585058024	GWC-17R	SM 2540C-2015	675783		
92585058025	GWC-18	SM 2540C-2015	675783		
92585058026	GWC-21R	SM 2540C-2015	675783		
92585058027	GWC-23R	SM 2540C-2015	675783		
92585058028	GWC-24R	SM 2540C-2015	675783		
92585058029	DUP-3	SM 2540C-2015	675783		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585058030	FB-4	SM 2540C-2015	675783		
92585058001	GWA-38	SM 2320B	796924		
92585058002	GWA-52	SM 2320B	796924		
92585058003	GWA-54	SM 2320B	796924		
92585058004	FB-1	SM 2320B	796924		
92585058005	GWA-36RA	SM 2320B	797156		
92585058006	GWA-37	SM 2320B	797156		
92585058007	GWA-51RZ	SM 2320B	797156		
92585058008	GWA-53	SM 2320B	797156		
92585058009	GWA-53R	SM 2320B	797156		
92585058010	GWA-55	SM 2320B	797156		
92585058011	GWA-56	SM 2320B	797156		
92585058012	DUP-1	SM 2320B	797156		
92585058013	FB-2	SM 2320B	797156		
92585058014	EB-1	SM 2320B	797156		
92585058015	GWC-18R	SM 2320B	797193		
92585058016	GWC-19R	SM 2320B	797193		
92585058017	GWC-20R	SM 2320B	797193		
92585058018	GWC-22R	SM 2320B	797193		
92585058019	GWC-25R	SM 2320B	797193		
92585058020	GWA-55R	SM 2320B	797193		
92585058021	DUP-2	SM 2320B	797193		
92585058022	FB-3	SM 2320B	797193		
92585058023	GWC-16R	SM 2320B	797866		
92585058024	GWC-17R	SM 2320B	797866		
92585058025	GWC-18	SM 2320B	797866		
92585058026	GWC-21R	SM 2320B	797866		
92585058027	GWC-23R	SM 2320B	797866		
92585058028	GWC-24R	SM 2320B	797866		
92585058029	DUP-3	SM 2320B	797866		
92585058030	FB-4	SM 2320B	797866		
92585058001	GWA-38	EPA 300.0 Rev 2.1 1993	675177		
92585058002	GWA-52	EPA 300.0 Rev 2.1 1993	675177		
92585058003	GWA-54	EPA 300.0 Rev 2.1 1993	675177		
92585058004	FB-1	EPA 300.0 Rev 2.1 1993	675177		
92585058005	GWA-36RA	EPA 300.0 Rev 2.1 1993	675177		
92585058006	GWA-37	EPA 300.0 Rev 2.1 1993	675177		
92585058007	GWA-51RZ	EPA 300.0 Rev 2.1 1993	675177		
92585058008	GWA-53	EPA 300.0 Rev 2.1 1993	675177		
92585058009	GWA-53R	EPA 300.0 Rev 2.1 1993	675178		
92585058010	GWA-55	EPA 300.0 Rev 2.1 1993	675178		
92585058011	GWA-56	EPA 300.0 Rev 2.1 1993	675178		
92585058012	DUP-1	EPA 300.0 Rev 2.1 1993	675178		
92585058013	FB-2	EPA 300.0 Rev 2.1 1993	675178		
92585058014	EB-1	EPA 300.0 Rev 2.1 1993	675178		
92585058015	GWC-18R	EPA 300.0 Rev 2.1 1993	675178		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585058016	GWC-19R	EPA 300.0 Rev 2.1 1993	675178		
92585058017	GWC-20R	EPA 300.0 Rev 2.1 1993	675178		
92585058018	GWC-22R	EPA 300.0 Rev 2.1 1993	675178		
92585058019	GWC-25R	EPA 300.0 Rev 2.1 1993	675484		
92585058020	GWA-55R	EPA 300.0 Rev 2.1 1993	675484		
92585058021	DUP-2	EPA 300.0 Rev 2.1 1993	675484		
92585058022	FB-3	EPA 300.0 Rev 2.1 1993	675484		
92585058023	GWC-16R	EPA 300.0 Rev 2.1 1993	676288		
92585058024	GWC-17R	EPA 300.0 Rev 2.1 1993	676288		
92585058025	GWC-18	EPA 300.0 Rev 2.1 1993	676288		
92585058026	GWC-21R	EPA 300.0 Rev 2.1 1993	676288		
92585058027	GWC-23R	EPA 300.0 Rev 2.1 1993	676288		
92585058028	GWC-24R	EPA 300.0 Rev 2.1 1993	676288		
92585058029	DUP-3	EPA 300.0 Rev 2.1 1993	676288		
92585058030	FB-4	EPA 300.0 Rev 2.1 1993	676332		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92585058



Courier: Commercial Fed Ex UPS USPS Client Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: MS 1/29/22

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gu# ID: 214 Type of Ice: Wet Blue None

Cooler Temp:

5.0 Correction Factor: Add/Subtract (°C) 0.1

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.1

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix: <u>WT</u>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Email To: Kevin.Stephenson@Resoluteenv.com Phone: (678)5489415 Fax: Requested Due Date/TAT: 10 Day	Section B Required Project Information: Report To: Kristen Jurjko Copy To: Rhonda Quinn Purchase Order No.: Project Name: Plant Bowen Landfill Project Number:	Section C Invoice Information: Attention: Southern Co. Company Name: Address: POC Name: POC Project Reference: POC Project Message: POC Profile #: 2828
REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> CER		
Site Location: _____ STATE: GA		

ITEM #	Valid Matrix Codes MATRIX CODE (see valid codes to left)	Sample Type (G=GRAB C=COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Analysis Test Metals + State Metals Cl, F, SO4 Total/Carb/Bicarb Alk TDS	Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
											COLLECTED	COMPARE		
1	GWA-36													
2	GWA-36R													
3	GWA-37													
4	GWA-38		1/15/12	12:54				4	3	1				5114
5	GWG-16R													
6	GWG-17R													
7	GWG-18													
8	GWG-18R													
9	GWG-19R													
10	GWE-20R													
11	GWE-21R													
12	GWC-22R													

Additional Comments: _____

Relinquished by / Affiliation: _____ DATE: _____ TIME: _____

Accepted by / Affiliation: *ML* DATE: *1/29* TIME: *0930*

Sampler Name and Signature: _____ Print Name of Sampler: _____ Signature of Sampler: _____	Date Signed (MM/DD/YYYY): <i>1/25/12</i>
Temp in °C	Received on Ice (Y/N)
Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to the charges of 1.5% per month for any invoice not paid within 30 days

F-ALL-Q-020rev 07-15-Feb-2007



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188	Section B Required Project Information: Report To: Kristen Juniko Copy To: Rhonda Quinn
Section C Invoice Information: Attention: Southern Co. Company Name: Address: Phone: Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day	Section D Required Client Information: Name: (678)5489415 Fax: Email: Kevin.Stephenson@Resoluteenv.com Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day

Section A Required Client Information: Name: (678)5489415 Fax: Email: Kevin.Stephenson@Resoluteenv.com Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day	Section B Required Project Information: Report To: Kristen Juniko Copy To: Rhonda Quinn
Section C Invoice Information: Attention: Southern Co. Company Name: Address: Phone: Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day	Section D Required Client Information: Name: (678)5489415 Fax: Email: Kevin.Stephenson@Resoluteenv.com Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day

ITEM #	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Page Project No./ Lab I.D.	
			DATE	TIME	DATE			TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃					Methanol
1	GWS-23R						4												
2	GWS-24R						4												
3	GWC-25R						4												
4	GWA-51RZ						4												
5	GWA-52						4												
6	GWA-53						4												
7	GWA-56R						4												
8	GWA-54						4												
9	GWA-55						4												
10	GWA-55R						4												
11	GWA-58						4												
12	GG-1						4												

Section A Required Client Information: Name: (678)5489415 Fax: Email: Kevin.Stephenson@Resoluteenv.com Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day	Section B Required Project Information: Report To: Kristen Juniko Copy To: Rhonda Quinn
Section C Invoice Information: Attention: Southern Co. Company Name: Address: Phone: Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day	Section D Required Client Information: Name: (678)5489415 Fax: Email: Kevin.Stephenson@Resoluteenv.com Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day

Section A Required Client Information: Name: (678)5489415 Fax: Email: Kevin.Stephenson@Resoluteenv.com Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day	Section B Required Project Information: Report To: Kristen Juniko Copy To: Rhonda Quinn
Section C Invoice Information: Attention: Southern Co. Company Name: Address: Phone: Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day	Section D Required Client Information: Name: (678)5489415 Fax: Email: Kevin.Stephenson@Resoluteenv.com Project Name: Plant Bowen Landfill Project Number: Requested Due Date/TAT: 10 Day



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 City: Woodstock, Ga 30188
 Contact: Kevin Stephenson @ Resoluteenv.com
 Phone: (678) 5489415
 Fax: [Blank]
 Requested Due Date/TAT: 10 Day

Section B Required Project Information
 Report To: Kristen Juritko
 Copy To: Rhonda Quinn
 Purchase Order No.: [Blank]
 Project Name: Plant Bowen Landfill
 Project Number: [Blank]

Section C Invoice Information
 Attention: Southern Co.
 Company Name: [Blank]
 Address: [Blank]
 POC Name: Nicole Dolco
 POC Title: Project Manager
 POC Phone #: 2928

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER COR
 Site Location: [Blank]
 STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Page Project No./ Lab I.D.
				DATE	TIME	DATE	TIME							
1	BUP-1													
2	BUP-2													
3	BUP-3													
4	FBL-1			1/28/12	12:18			4	3	1				
5	EGBL													
6	FBL													
7	EGBL													
8	FBL													
9														
10														
11														
12														

ADDITIONAL COMMENTS
 Materials include Sn, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl, V, Zn, Co

REINQUISHED BY / AFFILIATION
 DATE: [Blank] TIME: [Blank]

ACCEPTED BY / AFFILIATION
 [Signature] DATE: 1/28/12 TIME: 0930

SAMPLE CONDITIONS
 Temp in °C: [Blank]
 Received on Ice (Y/N): [Blank]
 Custody Sealed Cooler (Y/N): [Blank]
 Samples Intact (Y/N): [Blank]

SAMPLER NAME AND SIGNATURE
 PRINT NAME OF SAMPLER: [Blank]
 SIGNATURE OF SAMPLER: [Signature]

DATE SIGNED (MM/DD/YY): 1/28/12



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188		Section B Required Project Information Report To: Kristen Jurinko Copy To: Rhonda Quinn		Section C Invoice Information: Attention: Southern Co. Company Name: Address: Pace Client Reference: Pace Project Manager: Pace Profile #: 2928	
Email To: Kevin.Stephenson@Resoluteenv.com Phone: (678)5489415 Fac: 10 day Requested Due Date/TAT:		Purchase Order No.: Project Name: Plant Bowen Landfill Project Number:		REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>	
Site Location STATE: GA		Requested Analysis Filtered (Y/N)			

ITEM #	Section B Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				DATE	TIME	DATE			TIME	DATE	TIME	DATE	TIME	DATE				
1	-GWA-99-																	
2	GWA-36RA			6/14/12	10:25			43	1								7.01	
3	GWA-37			6/14/12	13:10			43	1								4.69	
4	-GWA-99-																	
5	-GWA-46R																	
6	-GWA-47R																	
7	-GWA-48R																	
8	-GWA-19R																	
9	-GWA-19R																	
10	-GWA-20R																	
11	-GWA-21R																	
12	-GWA-22R																	

ADDITIONAL COMMENTS: Materials include Sn, As, Ba, Be, Cd, Cr, Cu, Pb, Pt, Se, Tl, V, Zn, Co

RELINQUISHED BY / AFFILIATION: [Signature] DATE: 1/28/12 TIME: 0930

ACCEPTED BY / AFFILIATION: [Signature] DATE: 1/28/12 TIME: 0930

SAMPLER NAME AND SIGNATURE: [Signature] PRINT Name of SAMPLER: [Name] SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YYYY): 1/24/12

Temp in °C: [] Received on Ice (Y/N): [] Custody Sealed Cooler (Y/N): [] Samples Intact (Y/N): []



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:

Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188
 Email To: Kevin.Stephenson@PaceAnalytical.com
 Phone: (678)5489415
 Requested Due Date/TAT: 18 Day

Section B
Required Project Information:

Report To: Kristen Juriniko
 Copy To: Rhonda Quinn
 Purchase Order No.:
 Project Name: Plant Bowen Landfill
 Project Number:

Section C
Invoice Information:

Attention: Southern Co.
 Company Name:
 Address:
 Invoice Number:
 Reference: Nicole D'Orto
 Manager:
 Pace Profile #: 2928

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

Site Location: GA
 STATE:

ITEM #	Section D Required Client Information	Vial Matrix Code MATRIX CODE	Sample Type (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				DATE	TIME							
1	-GWA-36-											
2	-GWA-36R-											
3	-GWA-37-											
4	-GWA-38-											
5	-GWA-16R-											
6	-GWA-17R-											
7	-GWA-18R-											
8	-GWA-19R-											
9	-GWA-19R-											
10	-GWA-20R-											
11	-GWA-21R-											
12	-GWA-22R-											

ADDITIONAL COMMENTS

Relinquished by / Affiliation: *McIntire* DATE: *1/28/12* TIME: *0430*

Accepted by / Affiliation: DATE: TIME:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: *Kevin Stephenson*
 SIGNATURE of SAMPLER: *Kevin Stephenson*
 DATE SIGNED (MM/DD/YYYY): *1/28/12*

Temp in °C: _____
 Received on Ice (Y/N): _____
 Custody Sealed Cooler (Y/N): _____
 Samples Intact (Y/N): _____



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
 Required Client Information:
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188
 Phone: (678)5489415
 Fax: [Blank]
 E-mail: Kevin.Stephenson@Resoluteenv.com
 Requested Due Date/TIME: 10 Day

Section B
 Required Project Information:
 Report To: Kristen Jurinko
 Copy To: Rhonda Quinn
 Purchase Order No.: [Blank]
 Project Name: Plant Bowen Landfill
 Project Number: [Blank]

Section C
 Invoice Information:
 Attention: Southern Co.
 Company Name: [Blank]
 Address: [Blank]
 Reference: [Blank]
 Plant Name: Nicolle D'Orto
 Plant Address: [Blank]
 Plant Phone #: 2928

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER CER
 Site Location: [Blank]
 STATE: GA

Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analytes Filtered (Y/N)	Residual Chlorine (Y/N)	Page Project No./ Lab I.D.	
								Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol					Other
GWC-25R	GWC-25R	11/28/12	12:30	11/28/12	09:40	4	3	1											
GWA-51RZ	GWA-51RZ	11/28/12	12:30	11/28/12	09:40	4	3	1											
GWA-53R	GWA-53R																		
GWA-54R	GWA-54R																		
GWA-55R	GWA-55R																		
GWA-56R	GWA-56R																		
GWA-58R	GWA-58R																		

ADDITIONAL COMMENTS: [Blank]

RELINQUISHED BY / AFFILIATION: [Blank] DATE: [Blank] TIME: [Blank]

ACCEPTED BY / AFFILIATION: *NR* DATE: 11/28 TIME: 0940

SAMPLER NAME AND SIGNATURE: [Blank]

PRINT Name of SAMPLER: [Blank]

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed (MM/DD/YYYY): 11/28/12

Temp in °C: [Blank]

Received on Ice (Y/N): [Blank]

Custody Sealed Cooler (Y/N): [Blank]

Samples Intact (Y/N): [Blank]



CHAIN-OF-CUSTODY / Analytical Request Document


Section A Required Client Information: Section B Required Project Information: Section C Invoice Information:

Client and project details including name (Kevin Stephenson), address (1003 Weatherstone Parkway), and project name (Plant Bowen Landfill).

Table with columns for Matrix Code, Sample Type, Date, Time, Sample Temp, # of Containers, and Analysis Test results.

Main data table with columns for Item #, Matrix Code, Sample Type, Date, Time, Sample Temp, # of Containers, Analysis Test, and Sample Conditions.

Sampler Name and Signature section with handwritten signature and date (11/21/22).

	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: November 15, 2021 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.08	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Got Power

Project #

WO# : 92585058

PM: NMG

Due Date: 02/11/22

CLIENT: GA-GA Power

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *2/11/22*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? *COH*

Thermometer: IR Gun ID: *230* Type of Ice: Wet Blue None

Cooler Temp:

4.7 Correction Factor: *+0.2*
4.9

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	<i>W</i>	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____

Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information
Company: GA Power
Address: 1003 Weatherstone Parkway
Woodstock, Ga 30188

Section B Requested Project Information
Report To: Kristen Juriniko
Copy To: Rhonda Quinn

Section C Analytical Information
Attention: Southern Co.
Company Name:
Address:
Phone: (878)5489415
Fac: Project Name: Plant Bowen Landfill Cells 3 and 4
Requested Date Data/TAT: 10 Day Project Number:
Pres. Quote Reference: Nicole D'Elia
Face Project Manager:
Face Profile #: 2928

REGULATORY AGENCY
NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER **com**

Site Location: GA STATE: GA

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DOMESTIC WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID S OIL O WIRE W AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)		
					DATE	TIME					Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃				Methanol	Other
1	GWA-30																				
2	GWA-36R																				
3	GWA-37																				
4	GWA-88																				
5	GWC-16R																				
6	GWC-17R																				
7	GWC-18																				
8	GWC-18R																				
9	GWC-18R																				
10	GWC-20R																				
11	GWC-21R																				
12	GWC-22R																				

ADDITIONAL COMMENTS
GTL V. Zn, Co

RELINQUISHED BY / AFFILIATION
Date: 2/1/22 Time: 0800
Signature: *William Leaker*

ACCEPTED BY / AFFILIATION
Date: 2/1/22 Time: 0800
Signature: *Arya Garner*

RELINQUISHED BY / AFFILIATION
Date: 2/1/22 Time: 11:22
Signature: *Arya Garner*

ACCEPTED BY / AFFILIATION
Date: 2/1/22 Time: 1122
Signature: *Kyan Williams*

RELINQUISHED BY / AFFILIATION
Date: 2/1/22 Time: 1700
Signature: *Ryan Williams*

ACCEPTED BY / AFFILIATION
Date: 2/1/22 Time: 1700
Signature: *Shaunice Paul*

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Meredith Dacca / Kevin Stephenson / William Leaker / Ryan Williams
SIGNATURE OF SAMPLER: *Meredith Dacca* / *Kevin Stephenson* / *William Leaker* / *Ryan Williams*

DATE SIGNED (MM/DD/YY): 01/28/22

Temp in °C

Received on Ice? (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

Stephenson

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Email To: Kevin.Stephenson@Resoluteenr.com Phone: (678)5489415 Requested Date Data/TAT: 10 Day	Section B Required Project Information: Report To: Kristen Jurmko Copy To: Rhonda Quinn Purchase Order No.: Project Name: Plant Bowen Landfill Project Number: Cells 3 and 4
Section C Invoice Information: Address: Southern Co. Company Name: Address: POC Name: Reference: Manager: POC Phone #: 2928	REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER See Site Location: GA STATE:

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol			
1	GWC-23R	WTG	1/26/22	11:07		4										
2	GWC-24R	WTG	1/28/22	10:35		4										
3	GWC-25R					3										
4	GWA-540Z					1										
5	GWA-59															
6	GWC-23R															
7	GWA-59R															
8	GWA-54															
9	GWA-59															
10	GWA-59R															
11	GWA-59															
12	GWA-59															

ADDITIONAL COMMENTS William Labeer Atoya Garner Ryan Williams Pace	RELINQUISHED BY / AFFILIATION William Labeer Atoya Garner Ryan Williams Pace
DATE 2/1/22 2/1/22 2/1/22	TIME 0800 11:22 1700
ACCEPTED BY / AFFILIATION Atoya Garner Ryan Williams Pace	DATE 2/1/22 2/1/22 2/1/22
TIME 0800 11:22 1700	SAMPLE CONDITIONS Pace Project No./Lab I.D. 7.38 7.68

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Meredith Doocey SIGNATURE of SAMPLER: <i>Meredith Doocey</i>	DATE signed (MM/DD/YYYY): 01/28/22 Robert Hull
Temp in °C	Received on Ice (Y/N)
Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
 Required Client Information:
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188

Section B
 Required Project Information:
 Report To: Kristen Jurinko
 Copy To: Rhonda Quinn

Section C
 Invoice Information:
 Attention: Southern Co.
 Company Name:
 Address:
 State: GA

Page: 3 of 3

Section D
 Required Client Information:
 Email To: Kevrn.Stephenson@Resolutions.com
 Phone: (678)5489415
 Fax:
 Requested Due Date/TIME: 10 Day

Purchase Order No.:
 Project Name: Plant Bowen Landfill
 Project Number:
 Cells 3 and 4

Face Quote:
 Purchase Project Manager:
 Price Point #: 2928

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location: GA
 STATE: GA

ITEM #	Section D Required Client Information	VALID Matrix Codes DW WT P SL WP AN OT TSIDE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					DATE	TIME							
1	DUP-1												
2	DUP-2												
3	DUP-3		WT G 1/28/22				4			X			
4	FBL-1		WT G 1/28/22	1155			4			X			
5	FBL-2						3			X			
6	FBL-3						1			X			
7	FBL-4												
8	FBL-5												
9	FBL-6												
10	FBL-7												
11	FBL-8												
12	FBL-9												

ADDITIONAL COMMENTS
 No Metals include Sr, Ar, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Tl, V, Zn, Co

REMOVED BY / AFFILIATION: William Loaker
 DATE: 2/1/22
 TIME: 0800

ACCEPTED BY / AFFILIATION: Atya Garner
 DATE: 2/1/22
 TIME: 1122

Signature: Atya Garner
 Signature: Ryan Williams
 Date: 2/1/22
 Time: 1200

PRINT Name of SAMPLER: Meredith Donckert
 SIGNATURE of SAMPLER: Meredith Donckert
 DATE signed (MM/DD/YYYY): 01/28/22

Temp in °C
 Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)

February 17, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between February 01, 2022 and February 04, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA
- Pace Analytical Services - Minneapolis

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Michelle Barker, WOOD E&I
Anna Bottum, ERM
Andrea Brazell, ERM
Kristen Jurinko
Ms. Lauren Petty, Southern Company
Rhonda Quinn, WOOD E&I
Lacy Smith, ERM
Caitlin Tillema, ERM
Christine Weaver, ERM

Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Pace Analytical Services Peachtree Corners
South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92585555001	GWA-39Z	Water	01/31/22 13:50	02/01/22 11:22
92585555002	GWA-40	Water	01/31/22 14:25	02/01/22 11:22
92585555003	GWA-41	Water	01/31/22 12:55	02/01/22 11:22
92585555004	GWA-41R	Water	01/31/22 10:45	02/01/22 11:22
92585555005	GWA-42	Water	01/31/22 14:48	02/01/22 11:22
92585555006	GWA-43	Water	01/31/22 13:15	02/01/22 11:22
92585555007	GWA-43R	Water	01/31/22 12:05	02/01/22 11:22
92585555008	GWC-44	Water	01/31/22 15:30	02/01/22 11:22
92585555009	GWC-46R	Water	01/31/22 15:30	02/01/22 11:22
92585555010	GWC-48	Water	01/31/22 16:14	02/01/22 11:22
92585555011	DUP-1	Water	01/31/22 00:00	02/01/22 11:22
92585555012	FB-1	Water	01/31/22 15:50	02/01/22 11:22
92585555013	GWC-45	Water	02/01/22 12:55	02/04/22 11:45
92585555014	GWC-45R	Water	02/01/22 10:30	02/04/22 11:45
92585555015	GWC-47	Water	02/01/22 12:03	02/04/22 11:45
92585555016	GWC-47R	Water	02/01/22 10:40	02/04/22 11:45
92585555017	GWC-49Z	Water	02/01/22 12:23	02/04/22 11:45
92585555018	GWC-49R	Water	02/01/22 10:34	02/04/22 11:45
92585555019	DUP-2	Water	02/01/22 00:00	02/04/22 11:45
92585555020	FB-2	Water	02/01/22 15:45	02/04/22 11:45
92585555021	GWA-39RZ	Water	02/02/22 10:16	02/04/22 11:45
92585555022	FB-3	Water	02/02/22 16:04	02/04/22 11:45
92585555023	EB-1	Water	02/02/22 16:08	02/04/22 11:45

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585555001	GWA-39Z	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585555002	GWA-40	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585555003	GWA-41	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92585555004	GWA-41R	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92585555005	GWA-42	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
92585555006	GWA-43	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92585555007	GWA-43R	EPA 6010D	KH	5	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9258555008	GWC-44	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
9258555009	GWC-46R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
9258555010	GWC-48	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
9258555011	DUP-1	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
9258555012	FB-1	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
9258555013	GWC-45	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9258555014	GWC-45R	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
9258555015	GWC-47	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
9258555016	GWC-47R	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
9258555017	GWC-49Z	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
9258555018	GWC-49R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
9258555019	DUP-2	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585555020	FB-2	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585555021	GWA-39RZ	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
92585555022	FB-3	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92585555023	EB-1	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M

PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte
PASI-GA = Pace Analytical Services - Peachtree Corners, GA
PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555001	GWA-39Z					
	Performed by	CUSTOMER			02/06/22 11:28	
	pH	6.41	Std. Units		02/06/22 11:28	
EPA 6010D	Potassium	1.3	mg/L	0.20	02/14/22 14:43	
EPA 6010D	Sodium	2.4	mg/L	1.0	02/14/22 14:43	
EPA 6010D	Calcium	12.7	mg/L	1.0	02/14/22 14:43	
EPA 6010D	Magnesium	7.0	mg/L	0.050	02/14/22 14:43	
EPA 6020B	Arsenic	0.0021J	mg/L	0.0050	02/12/22 15:55	
EPA 6020B	Barium	0.013	mg/L	0.0050	02/12/22 15:55	
SM 2540C-2015	Total Dissolved Solids	61.0	mg/L	10.0	02/03/22 16:06	
SM 2320B	Alkalinity, Total as CaCO3	60.6	mg/L	5.0	02/08/22 22:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	60.6	mg/L	5.0	02/08/22 22:40	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/07/22 01:12	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	02/07/22 01:12	
9258555002	GWA-40					
	Performed by	CUSTOMER			02/06/22 11:29	
	pH	6.85	Std. Units		02/06/22 11:29	
EPA 6010D	Potassium	0.97	mg/L	0.20	02/14/22 14:48	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/14/22 14:48	
EPA 6010D	Calcium	18.5	mg/L	1.0	02/14/22 14:48	M1
EPA 6010D	Magnesium	10.3	mg/L	0.050	02/14/22 14:48	M1
EPA 6020B	Antimony	0.0014J	mg/L	0.0030	02/12/22 16:19	
EPA 6020B	Barium	0.0081	mg/L	0.0050	02/12/22 16:19	
SM 2540C-2015	Total Dissolved Solids	81.0	mg/L	10.0	02/03/22 16:06	
SM 2320B	Alkalinity, Total as CaCO3	84.2	mg/L	5.0	02/08/22 22:44	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	84.2	mg/L	5.0	02/08/22 22:44	
EPA 300.0 Rev 2.1 1993	Chloride	0.71J	mg/L	1.0	02/07/22 01:27	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	02/07/22 01:27	
9258555003	GWA-41					
	Performed by	CUSTOMER			02/06/22 11:30	
	pH	6.02	Std. Units		02/06/22 11:30	
EPA 6010D	Potassium	0.56	mg/L	0.20	02/14/22 15:07	
EPA 6010D	Sodium	0.90J	mg/L	1.0	02/14/22 15:07	
EPA 6010D	Calcium	14.5	mg/L	1.0	02/14/22 15:07	
EPA 6010D	Magnesium	7.2	mg/L	0.050	02/14/22 15:07	
EPA 6020B	Barium	0.022	mg/L	0.0050	02/12/22 16:25	
SM 2540C-2015	Total Dissolved Solids	63.0	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	66.1	mg/L	5.0	02/08/22 22:58	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	66.1	mg/L	5.0	02/08/22 22:58	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/07/22 01:42	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/07/22 01:42	
9258555004	GWA-41R					
	Performed by	CUSTOMER			02/06/22 11:30	
	pH	6.63	Std. Units		02/06/22 11:30	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555004	GWA-41R					
EPA 6010D	Potassium	2.5	mg/L	0.20	02/14/22 15:23	
EPA 6010D	Calcium	39.3	mg/L	1.0	02/14/22 15:23	
EPA 6010D	Magnesium	20.1	mg/L	0.050	02/14/22 15:23	
EPA 6020B	Antimony	0.0011J	mg/L	0.0030	02/12/22 16:31	
EPA 6020B	Barium	0.031	mg/L	0.0050	02/12/22 16:31	
EPA 6020B	Boron	0.016J	mg/L	0.040	02/12/22 16:31	
EPA 6020B	Copper	0.0028J	mg/L	0.0050	02/12/22 16:31	
EPA 6020B	Nickel	0.00091J	mg/L	0.0050	02/12/22 16:31	
SM 2540C-2015	Total Dissolved Solids	184	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	185	mg/L	5.0	02/08/22 23:02	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	185	mg/L	5.0	02/08/22 23:02	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/07/22 01:57	
EPA 300.0 Rev 2.1 1993	Sulfate	8.5	mg/L	1.0	02/07/22 01:57	
9258555005	GWA-42					
	Performed by	CUSTOMER			02/06/22 11:30	
	pH	7.17	Std. Units		02/06/22 11:30	
EPA 6010D	Potassium	0.26	mg/L	0.20	02/14/22 15:27	
EPA 6010D	Sodium	1.8	mg/L	1.0	02/14/22 15:27	
EPA 6010D	Calcium	37.3	mg/L	1.0	02/14/22 15:27	
EPA 6010D	Magnesium	15.2	mg/L	0.050	02/14/22 15:27	
EPA 6020B	Barium	0.0063	mg/L	0.0050	02/12/22 16:49	
EPA 6020B	Beryllium	0.00014J	mg/L	0.00050	02/12/22 16:49	
EPA 6020B	Cadmium	0.00018J	mg/L	0.00050	02/12/22 16:49	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	02/12/22 16:49	
SM 2540C-2015	Total Dissolved Solids	132	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	142	mg/L	5.0	02/08/22 23:07	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	142	mg/L	5.0	02/08/22 23:07	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/07/22 02:12	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	02/07/22 02:12	
9258555006	GWA-43					
	Performed by	CUSTOMER			02/06/22 11:31	
	pH	5.71	Std. Units		02/06/22 11:31	
EPA 6010D	Potassium	0.31	mg/L	0.20	02/14/22 15:32	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/14/22 15:32	
EPA 6010D	Calcium	2.2	mg/L	1.0	02/14/22 15:32	
EPA 6010D	Magnesium	0.45	mg/L	0.050	02/14/22 15:32	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	02/12/22 16:55	
EPA 6020B	Barium	0.014	mg/L	0.0050	02/12/22 16:55	
EPA 6020B	Copper	0.0014J	mg/L	0.0050	02/12/22 16:55	
EPA 6020B	Nickel	0.00077J	mg/L	0.0050	02/12/22 16:55	
SM 2540C-2015	Total Dissolved Solids	25.0	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	6.4	mg/L	5.0	02/08/22 23:55	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	6.4	mg/L	5.0	02/08/22 23:55	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/07/22 02:27	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555007	GWA-43R					
	Performed by	CUSTOME			02/06/22 11:31	
		R				
	pH	8.04	Std. Units		02/06/22 11:31	
EPA 6010D	Potassium	0.48	mg/L	0.20	02/14/22 15:37	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/14/22 15:37	
EPA 6010D	Calcium	30.6	mg/L	1.0	02/14/22 15:37	
EPA 6010D	Magnesium	16.9	mg/L	0.050	02/14/22 15:37	
EPA 6020B	Barium	0.0076	mg/L	0.0050	02/12/22 17:01	
EPA 6020B	Boron	0.011J	mg/L	0.040	02/12/22 17:01	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	02/12/22 17:01	
SM 2540C-2015	Total Dissolved Solids	128	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	140	mg/L	5.0	02/08/22 23:15	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	140	mg/L	5.0	02/08/22 23:15	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	02/07/22 02:42	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/07/22 02:42	
9258555008	GWC-44					
	Performed by	CUSTOME			02/06/22 11:31	
		R				
	pH	4.78	Std. Units		02/06/22 11:31	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/14/22 15:42	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/14/22 15:42	
EPA 6010D	Calcium	11.2	mg/L	1.0	02/14/22 15:42	
EPA 6010D	Magnesium	2.0	mg/L	0.050	02/14/22 15:42	
EPA 6020B	Barium	0.047	mg/L	0.0050	02/12/22 17:07	
EPA 6020B	Beryllium	0.000065J	mg/L	0.00050	02/12/22 17:07	
EPA 6020B	Boron	0.015J	mg/L	0.040	02/12/22 17:07	
EPA 6020B	Cobalt	0.0017J	mg/L	0.0050	02/12/22 17:07	
EPA 6020B	Copper	0.00053J	mg/L	0.0050	02/12/22 17:07	
EPA 6020B	Selenium	0.0018J	mg/L	0.0050	02/12/22 17:07	
SM 2540C-2015	Total Dissolved Solids	63.0	mg/L	10.0	02/03/22 16:07	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	02/07/22 03:27	
EPA 300.0 Rev 2.1 1993	Sulfate	29.7	mg/L	1.0	02/07/22 03:27	
9258555009	GWC-46R					
	Performed by	CUSTOME			02/06/22 11:32	
		R				
	pH	7.48	Std. Units		02/06/22 11:32	
EPA 6010D	Potassium	1.6	mg/L	0.20	02/14/22 15:46	
EPA 6010D	Sodium	13.0	mg/L	1.0	02/14/22 15:46	
EPA 6010D	Calcium	39.9	mg/L	1.0	02/14/22 15:46	
EPA 6010D	Magnesium	22.0	mg/L	0.050	02/14/22 15:46	
EPA 6020B	Barium	0.011	mg/L	0.0050	02/12/22 17:13	
EPA 6020B	Chromium	0.0051	mg/L	0.0050	02/12/22 17:13	
SM 2540C-2015	Total Dissolved Solids	197	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	212	mg/L	5.0	02/08/22 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	212	mg/L	5.0	02/08/22 23:29	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	02/07/22 03:42	
EPA 300.0 Rev 2.1 1993	Sulfate	5.2	mg/L	1.0	02/07/22 03:42	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555010	GWC-48					
	Performed by	CUSTOMER			02/06/22 11:32	
	pH	4.86	Std. Units		02/06/22 11:32	
EPA 6010D	Potassium	0.26	mg/L	0.20	02/14/22 15:51	
EPA 6010D	Sodium	4.2	mg/L	1.0	02/14/22 15:51	
EPA 6010D	Calcium	2.8	mg/L	1.0	02/14/22 15:51	
EPA 6010D	Magnesium	0.67	mg/L	0.050	02/14/22 15:51	
EPA 6020B	Barium	0.038	mg/L	0.0050	02/12/22 17:19	
EPA 6020B	Beryllium	0.00036J	mg/L	0.00050	02/12/22 17:19	
EPA 6020B	Cadmium	0.00020J	mg/L	0.00050	02/12/22 17:19	
EPA 6020B	Chromium	0.0020J	mg/L	0.0050	02/12/22 17:19	
EPA 6020B	Cobalt	0.0021J	mg/L	0.0050	02/12/22 17:19	
EPA 6020B	Nickel	0.0052	mg/L	0.0050	02/12/22 17:19	
EPA 7470A	Mercury	0.00039	mg/L	0.00020	02/09/22 17:33	
SM 2540C-2015	Total Dissolved Solids	31.0	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	8.1	mg/L	5.0	02/09/22 14:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	8.1	mg/L	5.0	02/09/22 14:48	
EPA 300.0 Rev 2.1 1993	Chloride	4.8	mg/L	1.0	02/07/22 03:57	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	02/07/22 03:57	
9258555011	DUP-1					
EPA 6010D	Potassium	2.7	mg/L	0.20	02/14/22 15:56	
EPA 6010D	Calcium	42.7	mg/L	1.0	02/14/22 15:56	
EPA 6010D	Magnesium	21.6	mg/L	0.050	02/14/22 15:56	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	02/14/22 20:27	B
EPA 6020B	Barium	0.029	mg/L	0.0050	02/14/22 20:27	
EPA 6020B	Boron	0.020J	mg/L	0.040	02/14/22 20:27	
EPA 6020B	Copper	0.0028J	mg/L	0.0050	02/14/22 20:27	
EPA 6020B	Nickel	0.00095J	mg/L	0.0050	02/14/22 20:27	
SM 2540C-2015	Total Dissolved Solids	180	mg/L	10.0	02/03/22 16:08	
SM 2320B	Alkalinity, Total as CaCO3	188	mg/L	5.0	02/09/22 14:52	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	02/09/22 14:52	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/07/22 04:42	
EPA 300.0 Rev 2.1 1993	Sulfate	8.5	mg/L	1.0	02/07/22 04:42	
9258555012	FB-1					
EPA 6020B	Antimony	0.0014J	mg/L	0.0030	02/14/22 20:50	
9258555013	GWC-45					
	Performed by	CUSTOMER			02/07/22 10:38	
	pH	4.88	Std. Units		02/07/22 10:38	
EPA 6010D	Potassium	0.22	mg/L	0.20	02/14/22 16:34	
EPA 6010D	Sodium	1.6	mg/L	1.0	02/14/22 16:34	
EPA 6010D	Calcium	1.1	mg/L	1.0	02/14/22 16:34	
EPA 6010D	Magnesium	0.65	mg/L	0.050	02/14/22 16:34	
EPA 6020B	Antimony	0.0020J	mg/L	0.0030	02/14/22 21:50	
EPA 6020B	Barium	0.0072	mg/L	0.0050	02/14/22 21:50	
EPA 6020B	Boron	0.019J	mg/L	0.040	02/14/22 21:50	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555013	GWC-45					
EPA 6020B	Cobalt	0.0013J	mg/L	0.0050	02/14/22 21:50	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	02/14/22 21:50	
SM 2540C-2015	Total Dissolved Solids	70.0	mg/L	10.0	02/07/22 16:44	
SM 2320B	Alkalinity, Total as CaCO3	2.7J	mg/L	5.0	02/09/22 22:15	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	2.7J	mg/L	5.0	02/09/22 22:15	
EPA 300.0 Rev 2.1 1993	Chloride	0.79J	mg/L	1.0	02/11/22 13:42	
9258555014	GWC-45R					
	Performed by	CUSTOME			02/07/22 10:38	
		R				
	pH	7.15	Std. Units		02/07/22 10:38	
EPA 6010D	Potassium	0.82	mg/L	0.20	02/14/22 16:39	
EPA 6010D	Sodium	1.5	mg/L	1.0	02/14/22 16:39	
EPA 6010D	Calcium	43.9	mg/L	1.0	02/14/22 16:39	
EPA 6010D	Magnesium	23.8	mg/L	0.050	02/14/22 16:39	
EPA 6020B	Barium	0.026	mg/L	0.0050	02/14/22 21:56	
EPA 6020B	Boron	0.022J	mg/L	0.040	02/14/22 21:56	
SM 2540C-2015	Total Dissolved Solids	201	mg/L	10.0	02/07/22 16:44	
SM 2320B	Alkalinity, Total as CaCO3	188	mg/L	5.0	02/09/22 21:08	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	02/09/22 21:08	
EPA 300.0 Rev 2.1 1993	Chloride	4.3	mg/L	1.0	02/12/22 16:39	M1
EPA 300.0 Rev 2.1 1993	Sulfate	6.1	mg/L	1.0	02/12/22 16:39	M1
9258555015	GWC-47					
	Performed by	CUSTOME			02/07/22 10:38	
		R				
	pH	7.55	Std. Units		02/07/22 10:38	
EPA 6010D	Zinc	0.038	mg/L	0.020	02/14/22 16:44	
EPA 6010D	Potassium	0.55	mg/L	0.20	02/14/22 16:44	
EPA 6010D	Sodium	3.4	mg/L	1.0	02/14/22 16:44	
EPA 6010D	Calcium	21.3	mg/L	1.0	02/14/22 16:44	
EPA 6010D	Magnesium	12.0	mg/L	0.050	02/14/22 16:44	
EPA 6020B	Barium	0.0081	mg/L	0.0050	02/14/22 22:02	
EPA 6020B	Boron	0.011J	mg/L	0.040	02/14/22 22:02	
EPA 6020B	Cadmium	0.00014J	mg/L	0.00050	02/14/22 22:02	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	02/14/22 22:02	
SM 2540C-2015	Total Dissolved Solids	107	mg/L	10.0	02/07/22 16:45	
SM 2320B	Alkalinity, Total as CaCO3	100	mg/L	5.0	02/09/22 21:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	100	mg/L	5.0	02/09/22 21:14	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/12/22 17:21	
EPA 300.0 Rev 2.1 1993	Sulfate	4.3	mg/L	1.0	02/12/22 17:21	
9258555016	GWC-47R					
	Performed by	CUSTOME			02/07/22 10:38	
		R				
	pH	7.54	Std. Units		02/07/22 10:38	
EPA 6010D	Zinc	0.029	mg/L	0.020	02/14/22 22:17	
EPA 6010D	Potassium	1.7	mg/L	0.20	02/14/22 22:17	
EPA 6010D	Sodium	3.6	mg/L	1.0	02/14/22 22:17	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555016	GWC-47R					
EPA 6010D	Calcium	29.4	mg/L	1.0	02/14/22 22:17	
EPA 6010D	Magnesium	14.6	mg/L	0.050	02/14/22 22:17	
EPA 6020B	Antimony	0.0024J	mg/L	0.0030	02/14/22 22:08	
EPA 6020B	Barium	0.0077	mg/L	0.0050	02/14/22 22:08	
EPA 6020B	Boron	0.010J	mg/L	0.040	02/14/22 22:08	
EPA 6020B	Chromium	0.0022J	mg/L	0.0050	02/14/22 22:08	
SM 2540C-2015	Total Dissolved Solids	157	mg/L	10.0	02/07/22 16:45	
SM 2320B	Alkalinity, Total as CaCO3	132	mg/L	5.0	02/09/22 21:18	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	02/09/22 21:18	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	02/12/22 17:35	
EPA 300.0 Rev 2.1 1993	Sulfate	9.4	mg/L	1.0	02/12/22 17:35	
9258555017	GWC-49Z					
	Performed by	CUSTOME			02/07/22 10:39	
		R				
	pH	5.00	Std. Units		02/07/22 10:39	
EPA 6010D	Potassium	0.38	mg/L	0.20	02/14/22 22:22	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/14/22 22:22	
EPA 6010D	Calcium	0.62J	mg/L	1.0	02/14/22 22:22	
EPA 6010D	Magnesium	0.29	mg/L	0.050	02/14/22 22:22	
EPA 6020B	Antimony	0.00097J	mg/L	0.0030	02/14/22 22:14	
EPA 6020B	Barium	0.0030J	mg/L	0.0050	02/14/22 22:14	
EPA 6020B	Boron	0.0087J	mg/L	0.040	02/14/22 22:14	
EPA 6020B	Cobalt	0.00066J	mg/L	0.0050	02/14/22 22:14	
EPA 6020B	Nickel	0.0014J	mg/L	0.0050	02/14/22 22:14	
SM 2540C-2015	Total Dissolved Solids	27.0	mg/L	10.0	02/07/22 16:45	
SM 2320B	Alkalinity, Total as CaCO3	3.4J	mg/L	5.0	02/09/22 22:18	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	3.4J	mg/L	5.0	02/09/22 22:18	
EPA 300.0 Rev 2.1 1993	Chloride	0.93J	mg/L	1.0	02/12/22 18:17	
EPA 300.0 Rev 2.1 1993	Sulfate	0.93J	mg/L	1.0	02/12/22 18:17	
9258555018	GWC-49R					
	Performed by	CUSTOME			02/07/22 10:39	
		R				
	pH	7.63	Std. Units		02/07/22 10:39	
EPA 6010D	Potassium	0.78	mg/L	0.20	02/14/22 22:27	
EPA 6010D	Sodium	2.3	mg/L	1.0	02/14/22 22:27	
EPA 6010D	Calcium	26.0	mg/L	1.0	02/14/22 22:27	
EPA 6010D	Magnesium	14.5	mg/L	0.050	02/14/22 22:27	
EPA 6020B	Barium	0.011	mg/L	0.0050	02/14/22 22:20	
SM 2540C-2015	Total Dissolved Solids	125	mg/L	10.0	02/07/22 16:45	
SM 2320B	Alkalinity, Total as CaCO3	121	mg/L	5.0	02/09/22 21:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	121	mg/L	5.0	02/09/22 21:36	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/12/22 18:31	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/12/22 18:31	
9258555019	DUP-2					
EPA 6010D	Potassium	0.73	mg/L	0.20	02/14/22 22:32	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/14/22 22:32	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
9258555019	DUP-2					
EPA 6010D	Calcium	38.8	mg/L	1.0	02/14/22 22:32	
EPA 6010D	Magnesium	21.2	mg/L	0.050	02/14/22 22:32	
EPA 6020B	Barium	0.026	mg/L	0.0050	02/14/22 22:38	
EPA 6020B	Boron	0.013J	mg/L	0.040	02/14/22 22:38	
SM 2540C-2015	Total Dissolved Solids	180	mg/L	10.0	02/07/22 17:20	
SM 2320B	Alkalinity, Total as CaCO3	190	mg/L	5.0	02/09/22 21:42	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	190	mg/L	5.0	02/09/22 21:42	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	02/12/22 18:45	
EPA 300.0 Rev 2.1 1993	Sulfate	6.1	mg/L	1.0	02/12/22 18:45	
9258555021	GWA-39RZ					
	Performed by	CUSTOME			02/07/22 10:39	
		R				
	pH	6.89	Std. Units		02/07/22 10:39	
EPA 6010D	Potassium	0.95	mg/L	0.20	02/14/22 22:41	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/14/22 22:41	
EPA 6010D	Calcium	32.6	mg/L	1.0	02/14/22 22:41	
EPA 6010D	Magnesium	17.1	mg/L	0.050	02/14/22 22:41	
EPA 6020B	Barium	0.013	mg/L	0.0050	02/14/22 22:50	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	02/14/22 22:50	
SM 2540C-2015	Total Dissolved Solids	143	mg/L	10.0	02/08/22 11:12	
SM 2320B	Alkalinity, Total as CaCO3	146	mg/L	5.0	02/09/22 21:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	146	mg/L	5.0	02/09/22 21:57	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/12/22 19:12	
EPA 300.0 Rev 2.1 1993	Sulfate	4.5	mg/L	1.0	02/12/22 19:12	
9258555022	FB-3					
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	02/14/22 23:02	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWA-39Z		Lab ID: 9258555001		Collected: 01/31/22 13:50		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:28		
pH	6.41	Std. Units			1		02/06/22 11:28		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 14:43	7440-66-6	
Potassium	1.3	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 14:43	7440-09-7	
Sodium	2.4	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 14:43	7440-23-5	
Calcium	12.7	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 14:43	7440-70-2	
Magnesium	7.0	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 14:43	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 15:55	7440-36-0	
Arsenic	0.0021J	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 15:55	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 15:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 15:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 15:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 15:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 15:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 15:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 15:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 15:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 15:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 15:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 15:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 15:55	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 16:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	61.0	mg/L	10.0	10.0	1		02/03/22 16:06		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	60.6	mg/L	5.0	1.8	1		02/08/22 22:40		
Alkalinity,Bicarbonate (CaCO3)	60.6	mg/L	5.0	1.8	1		02/08/22 22:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:40		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-39Z **Lab ID: 92585555001** Collected: 01/31/22 13:50 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/07/22 01:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 01:12	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		02/07/22 01:12	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWA-40		Lab ID: 9258555002		Collected: 01/31/22 14:25		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:29		
pH	6.85	Std. Units			1		02/06/22 11:29		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 14:48	7440-66-6	
Potassium	0.97	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 14:48	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 14:48	7440-23-5	
Calcium	18.5	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 14:48	7440-70-2	M1
Magnesium	10.3	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 14:48	7439-95-4	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0014J	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 16:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:19	7440-38-2	
Barium	0.0081	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 16:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 16:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 16:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 16:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 16:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 16:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 16:19	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 16:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 16:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 16:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 16:19	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	81.0	mg/L	10.0	10.0	1		02/03/22 16:06		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	84.2	mg/L	5.0	1.8	1		02/08/22 22:44		
Alkalinity,Bicarbonate (CaCO3)	84.2	mg/L	5.0	1.8	1		02/08/22 22:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:44		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-40 **Lab ID: 92585555002** Collected: 01/31/22 14:25 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.71J	mg/L	1.0	0.60	1		02/07/22 01:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 01:27	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		02/07/22 01:27	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWA-41		Lab ID: 9258555003		Collected: 01/31/22 12:55	Received: 02/01/22 11:22	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:30		
pH	6.02	Std. Units			1		02/06/22 11:30		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:07	7440-66-6	
Potassium	0.56	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:07	7440-09-7	
Sodium	0.90J	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:07	7440-23-5	
Calcium	14.5	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:07	7440-70-2	
Magnesium	7.2	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:07	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 16:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:25	7440-38-2	
Barium	0.022	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 16:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 16:25	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 16:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 16:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 16:25	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 16:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 16:25	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 16:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 16:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 16:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 16:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:15	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	63.0	mg/L	10.0	10.0	1		02/03/22 16:07		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	66.1	mg/L	5.0	1.8	1		02/08/22 22:58		
Alkalinity,Bicarbonate (CaCO3)	66.1	mg/L	5.0	1.8	1		02/08/22 22:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:58		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-41 **Lab ID: 92585555003** Collected: 01/31/22 12:55 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/07/22 01:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 01:42	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		02/07/22 01:42	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWA-41R		Lab ID: 9258555004		Collected: 01/31/22 10:45		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:30		
pH	6.63	Std. Units			1		02/06/22 11:30		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:23	7440-66-6	
Potassium	2.5	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:23	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:23	7440-23-5	
Calcium	39.3	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:23	7440-70-2	
Magnesium	20.1	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:23	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0011J	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 16:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:31	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 16:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 16:31	7440-41-7	
Boron	0.016J	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 16:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 16:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 16:31	7440-48-4	
Copper	0.0028J	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 16:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 16:31	7439-92-1	
Nickel	0.00091J	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 16:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 16:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 16:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 16:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:17	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	184	mg/L	10.0	10.0	1		02/03/22 16:07		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	185	mg/L	5.0	1.8	1		02/08/22 23:02		
Alkalinity,Bicarbonate (CaCO3)	185	mg/L	5.0	1.8	1		02/08/22 23:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:02		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-41R **Lab ID: 92585555004** Collected: 01/31/22 10:45 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/07/22 01:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 01:57	16984-48-8	
Sulfate	8.5	mg/L	1.0	0.50	1		02/07/22 01:57	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-42		Lab ID: 92585555005		Collected: 01/31/22 14:48		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:30		
pH	7.17	Std. Units			1		02/06/22 11:30		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:27	7440-66-6	
Potassium	0.26	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:27	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:27	7440-23-5	
Calcium	37.3	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:27	7440-70-2	
Magnesium	15.2	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:27	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 16:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:49	7440-38-2	
Barium	0.0063	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 16:49	7440-39-3	
Beryllium	0.00014J	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 16:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 16:49	7440-42-8	
Cadmium	0.00018J	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 16:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 16:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 16:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 16:49	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 16:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 16:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 16:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:41	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 16:49	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:20	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	132	mg/L	10.0	10.0	1		02/03/22 16:07		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	142	mg/L	5.0	1.8	1		02/08/22 23:07		
Alkalinity,Bicarbonate (CaCO3)	142	mg/L	5.0	1.8	1		02/08/22 23:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:07		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-42 **Lab ID: 92585555005** Collected: 01/31/22 14:48 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/07/22 02:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 02:12	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		02/07/22 02:12	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWA-43		Lab ID: 9258555006		Collected: 01/31/22 13:15	Received: 02/01/22 11:22	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:31		
pH	5.71	Std. Units			1		02/06/22 11:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:32	7440-66-6	
Potassium	0.31	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:32	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:32	7440-23-5	
Calcium	2.2	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:32	7440-70-2	
Magnesium	0.45	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:32	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 16:55	7440-36-0	
Arsenic	0.0013J	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:55	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 16:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 16:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 16:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 16:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 16:55	7440-48-4	
Copper	0.0014J	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 16:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 16:55	7439-92-1	
Nickel	0.00077J	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 16:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 16:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 16:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 16:55	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:23	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	25.0	mg/L	10.0	10.0	1		02/03/22 16:07		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	6.4	mg/L	5.0	1.8	1		02/08/22 23:55		
Alkalinity,Bicarbonate (CaCO3)	6.4	mg/L	5.0	1.8	1		02/08/22 23:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:55		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-43 **Lab ID: 92585555006** Collected: 01/31/22 13:15 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/07/22 02:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 02:27	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/07/22 02:27	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWA-43R	Lab ID: 9258555007	Collected: 01/31/22 12:05	Received: 02/01/22 11:22	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:31		
pH	8.04	Std. Units			1		02/06/22 11:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:37	7440-66-6	
Potassium	0.48	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:37	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:37	7440-23-5	
Calcium	30.6	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:37	7440-70-2	
Magnesium	16.9	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:37	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 17:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:01	7440-38-2	
Barium	0.0076	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 17:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 17:01	7440-41-7	
Boron	0.011J	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 17:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 17:01	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 17:01	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 17:01	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 17:01	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 17:01	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 17:01	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 17:01	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 15:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 17:01	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:25	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	128	mg/L	10.0	10.0	1		02/03/22 16:07		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	140	mg/L	5.0	1.8	1		02/08/22 23:15		
Alkalinity,Bicarbonate (CaCO3)	140	mg/L	5.0	1.8	1		02/08/22 23:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:15		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-43R **Lab ID: 9258555007** Collected: 01/31/22 12:05 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.7	mg/L	1.0	0.60	1		02/07/22 02:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 02:42	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/07/22 02:42	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-44		Lab ID: 9258555008		Collected: 01/31/22 15:30	Received: 02/01/22 11:22	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:31		
pH	4.78	Std. Units			1		02/06/22 11:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:42	7440-66-6	
Potassium	1.5	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:42	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:42	7440-23-5	
Calcium	11.2	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:42	7440-70-2	
Magnesium	2.0	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:42	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 17:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:07	7440-38-2	
Barium	0.047	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 17:07	7440-39-3	
Beryllium	0.000065J	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 17:07	7440-41-7	
Boron	0.015J	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 17:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 17:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:07	7440-47-3	
Cobalt	0.0017J	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 17:07	7440-48-4	
Copper	0.00053J	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 17:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 17:07	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 17:07	7440-02-0	
Selenium	0.0018J	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 17:07	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 17:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 15:44	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 17:07	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:28	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	63.0	mg/L	10.0	10.0	1		02/03/22 16:07		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/08/22 23:58		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:58		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-44 **Lab ID: 92585555008** Collected: 01/31/22 15:30 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.2	mg/L	1.0	0.60	1		02/07/22 03:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 03:27	16984-48-8	
Sulfate	29.7	mg/L	1.0	0.50	1		02/07/22 03:27	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-46R		Lab ID: 9258555009		Collected: 01/31/22 15:30		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:32		
pH	7.48	Std. Units			1		02/06/22 11:32		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:46	7440-66-6	
Potassium	1.6	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:46	7440-09-7	
Sodium	13.0	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:46	7440-23-5	
Calcium	39.9	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:46	7440-70-2	
Magnesium	22.0	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:46	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 17:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:13	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 17:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 17:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 17:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 17:13	7440-43-9	
Chromium	0.0051	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 17:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 17:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 17:13	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 17:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 17:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 17:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 15:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 17:13	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	197	mg/L	10.0	10.0	1		02/03/22 16:07		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	212	mg/L	5.0	1.8	1		02/08/22 23:29		
Alkalinity,Bicarbonate (CaCO3)	212	mg/L	5.0	1.8	1		02/08/22 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:29		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-46R **Lab ID: 92585555009** Collected: 01/31/22 15:30 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.7	mg/L	1.0	0.60	1		02/07/22 03:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 03:42	16984-48-8	
Sulfate	5.2	mg/L	1.0	0.50	1		02/07/22 03:42	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWC-48		Lab ID: 9258555010		Collected: 01/31/22 16:14	Received: 02/01/22 11:22	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:32		
pH	4.86	Std. Units			1		02/06/22 11:32		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:51	7440-66-6	
Potassium	0.26	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:51	7440-09-7	
Sodium	4.2	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:51	7440-23-5	
Calcium	2.8	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:51	7440-70-2	
Magnesium	0.67	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:51	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 17:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:19	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 17:19	7440-39-3	
Beryllium	0.00036J	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 17:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 17:19	7440-42-8	
Cadmium	0.00020J	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 17:19	7440-43-9	
Chromium	0.0020J	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:19	7440-47-3	
Cobalt	0.0021J	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 17:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 17:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 17:19	7439-92-1	
Nickel	0.0052	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 17:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 17:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 17:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 15:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 17:19	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00039	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:33	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	31.0	mg/L	10.0	10.0	1		02/03/22 16:07		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	8.1	mg/L	5.0	1.8	1		02/09/22 14:48		
Alkalinity,Bicarbonate (CaCO3)	8.1	mg/L	5.0	1.8	1		02/09/22 14:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 14:48		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-48 **Lab ID: 9258555010** Collected: 01/31/22 16:14 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.8	mg/L	1.0	0.60	1		02/07/22 03:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 03:57	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		02/07/22 03:57	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: DUP-1 Lab ID: 9258555011 Collected: 01/31/22 00:00 Received: 02/01/22 11:22 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:56	7440-66-6	
Potassium	2.7	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:56	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:56	7440-23-5	
Calcium	42.7	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:56	7440-70-2	
Magnesium	21.6	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:56	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 20:27	7440-36-0	
Arsenic	0.0012J	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 20:27	7440-38-2	B
Barium	0.029	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 20:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 20:27	7440-41-7	
Boron	0.020J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 20:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 20:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 20:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 20:27	7440-48-4	
Copper	0.0028J	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 20:27	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 20:27	7439-92-1	
Nickel	0.00095J	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 20:27	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 20:27	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 20:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 20:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/14/22 20:27	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:36	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	180	mg/L	10.0	10.0	1		02/03/22 16:08		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	188	mg/L	5.0	1.8	1		02/09/22 14:52		
Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	1.8	1		02/09/22 14:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 14:52		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/07/22 04:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 04:42	16984-48-8	
Sulfate	8.5	mg/L	1.0	0.50	1		02/07/22 04:42	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: FB-1	Lab ID: 92585555012	Collected: 01/31/22 15:50	Received: 02/01/22 11:22	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 16:01	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 16:01	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 16:01	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 16:01	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 16:01	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0014J	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 20:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 20:50	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 20:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 20:50	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 20:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 20:50	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 20:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 20:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 20:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 20:50	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 20:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 20:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 20:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 20:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/14/22 20:50	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:44	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/03/22 16:08		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	1.8	1		02/09/22 14:58		
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	1.8	1		02/09/22 14:58		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	1.8	1		02/09/22 14:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/07/22 04:56	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 04:56	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/07/22 04:56	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWC-45		Lab ID: 9258555013		Collected: 02/01/22 12:55	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:38		
pH	4.88	Std. Units			1		02/07/22 10:38		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 16:34	7440-66-6	
Potassium	0.22	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 16:34	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 16:34	7440-23-5	
Calcium	1.1	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 16:34	7440-70-2	
Magnesium	0.65	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 16:34	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0020J	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 21:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 21:50	7440-38-2	
Barium	0.0072	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 21:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 21:50	7440-41-7	
Boron	0.019J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 21:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 21:50	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 21:50	7440-47-3	
Cobalt	0.0013J	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 21:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 21:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 21:50	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 21:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 21:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 21:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 21:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 14:53	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	70.0	mg/L	10.0	10.0	1		02/07/22 16:44		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	2.7J	mg/L	5.0	1.8	1		02/09/22 22:15		
Alkalinity,Bicarbonate (CaCO3)	2.7J	mg/L	5.0	1.8	1		02/09/22 22:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 22:15		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-45 **Lab ID: 92585555013** Collected: 02/01/22 12:55 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.79J	mg/L	1.0	0.60	1		02/11/22 13:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/11/22 13:42	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/11/22 13:42	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWC-45R Lab ID: 92585555014 Collected: 02/01/22 10:30 Received: 02/04/22 11:45 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:38		
pH	7.15	Std. Units			1		02/07/22 10:38		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 16:39	7440-66-6	
Potassium	0.82	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 16:39	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 16:39	7440-23-5	
Calcium	43.9	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 16:39	7440-70-2	
Magnesium	23.8	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 16:39	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 21:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 21:56	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 21:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 21:56	7440-41-7	
Boron	0.022J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 21:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 21:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 21:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 21:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 21:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 21:56	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 21:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 21:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 21:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 21:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 14:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:49	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	201	mg/L	10.0	10.0	1		02/07/22 16:44		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	188	mg/L	5.0	1.8	1		02/09/22 21:08		
Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	1.8	1		02/09/22 21:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:08		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-45R **Lab ID: 9258555014** Collected: 02/01/22 10:30 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.3	mg/L	1.0	0.60	1		02/12/22 16:39	16887-00-6	M1
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 16:39	16984-48-8	M1
Sulfate	6.1	mg/L	1.0	0.50	1		02/12/22 16:39	14808-79-8	M1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWC-47		Lab ID: 9258555015		Collected: 02/01/22 12:03	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:38		
pH	7.55	Std. Units			1		02/07/22 10:38		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.038	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 16:44	7440-66-6	
Potassium	0.55	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 16:44	7440-09-7	
Sodium	3.4	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 16:44	7440-23-5	
Calcium	21.3	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 16:44	7440-70-2	
Magnesium	12.0	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 16:44	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:02	7440-38-2	
Barium	0.0081	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:02	7440-41-7	
Boron	0.011J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:02	7440-42-8	
Cadmium	0.00014J	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:02	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:02	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:05	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:52	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	107	mg/L	10.0	10.0	1		02/07/22 16:45		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	100	mg/L	5.0	1.8	1		02/09/22 21:14		
Alkalinity,Bicarbonate (CaCO3)	100	mg/L	5.0	1.8	1		02/09/22 21:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:14		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-47 **Lab ID: 9258555015** Collected: 02/01/22 12:03 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/12/22 17:21	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 17:21	16984-48-8	
Sulfate	4.3	mg/L	1.0	0.50	1		02/12/22 17:21	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWC-47R		Lab ID: 9258555016		Collected: 02/01/22 10:40		Received: 02/04/22 11:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:38		
pH	7.54	Std. Units			1		02/07/22 10:38		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.029	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:17	7440-66-6	
Potassium	1.7	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:17	7440-09-7	
Sodium	3.6	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:17	7440-23-5	
Calcium	29.4	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:17	7440-70-2	
Magnesium	14.6	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:17	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0024J	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:08	7440-38-2	
Barium	0.0077	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:08	7440-41-7	
Boron	0.010J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:08	7440-43-9	
Chromium	0.0022J	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:11	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:54	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	157	mg/L	10.0	10.0	1		02/07/22 16:45		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	132	mg/L	5.0	1.8	1		02/09/22 21:18		
Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	1.8	1		02/09/22 21:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:18		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-47R **Lab ID: 9258555016** Collected: 02/01/22 10:40 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		02/12/22 17:35	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 17:35	16984-48-8	
Sulfate	9.4	mg/L	1.0	0.50	1		02/12/22 17:35	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-49Z **Lab ID: 9258555017** Collected: 02/01/22 12:23 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:39		
pH	5.00	Std. Units			1		02/07/22 10:39		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:22	7440-66-6	
Potassium	0.38	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:22	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:22	7440-23-5	
Calcium	0.62J	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:22	7440-70-2	
Magnesium	0.29	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:22	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.00097J	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:14	7440-38-2	
Barium	0.0030J	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:14	7440-41-7	
Boron	0.0087J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:14	7440-47-3	
Cobalt	0.00066J	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:14	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:14	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:14	7439-92-1	
Nickel	0.0014J	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:14	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:14	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:17	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:57	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	27.0	mg/L	10.0	10.0	1		02/07/22 16:45		
------------------------	-------------	------	------	------	---	--	----------------	--	--

2320B Alkalinity

Analytical Method: SM 2320B
Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	3.4J	mg/L	5.0	1.8	1		02/09/22 22:18		
Alkalinity,Bicarbonate (CaCO3)	3.4J	mg/L	5.0	1.8	1		02/09/22 22:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 22:18		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-49Z **Lab ID: 9258555017** Collected: 02/01/22 12:23 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.93J	mg/L	1.0	0.60	1		02/12/22 18:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 18:17	16984-48-8	
Sulfate	0.93J	mg/L	1.0	0.50	1		02/12/22 18:17	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWC-49R		Lab ID: 9258555018		Collected: 02/01/22 10:34	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:39		
pH	7.63	Std. Units			1		02/07/22 10:39		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:27	7440-66-6	
Potassium	0.78	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:27	7440-09-7	
Sodium	2.3	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:27	7440-23-5	
Calcium	26.0	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:27	7440-70-2	
Magnesium	14.5	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:27	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:20	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:20	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:20	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:20	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:23	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:59	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	125	mg/L	10.0	10.0	1		02/07/22 16:45		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	121	mg/L	5.0	1.8	1		02/09/22 21:36		
Alkalinity,Bicarbonate (CaCO3)	121	mg/L	5.0	1.8	1		02/09/22 21:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:36		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-49R **Lab ID: 9258555018** Collected: 02/01/22 10:34 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/12/22 18:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 18:31	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/12/22 18:31	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: DUP-2		Lab ID: 9258555019		Collected: 02/01/22 00:00		Received: 02/04/22 11:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:32	7440-66-6	
Potassium	0.73	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:32	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:32	7440-23-5	
Calcium	38.8	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:32	7440-70-2	
Magnesium	21.2	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:32	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:38	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:38	7440-41-7	
Boron	0.013J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:38	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:38	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:29	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 18:02	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	180	mg/L	10.0	10.0	1		02/07/22 17:20		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	190	mg/L	5.0	1.8	1		02/09/22 21:42		
Alkalinity,Bicarbonate (CaCO3)	190	mg/L	5.0	1.8	1		02/09/22 21:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:42		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	4.2	mg/L	1.0	0.60	1		02/12/22 18:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 18:45	16984-48-8	
Sulfate	6.1	mg/L	1.0	0.50	1		02/12/22 18:45	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: FB-2		Lab ID: 9258555020		Collected: 02/01/22 15:45	Received: 02/04/22 11:45	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:36	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:36	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:36	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:36	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:36	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:44	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:44	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:44	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:44	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:44	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:44	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:44	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:44	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:44	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:44	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:44	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:44	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:44	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:44	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:35	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 18:05	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/07/22 17:20			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/09/22 21:48			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:48			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:48			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/12/22 18:59	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 18:59	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/12/22 18:59	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: GWA-39RZ Lab ID: 9258555021 Collected: 02/02/22 10:16 Received: 02/04/22 11:45 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:39		
pH	6.89	Std. Units			1		02/07/22 10:39		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:41	7440-66-6	
Potassium	0.95	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:41	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:41	7440-23-5	
Calcium	32.6	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:41	7440-70-2	
Magnesium	17.1	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:41	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:50	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:50	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:50	7440-43-9	
Chromium	0.0012J	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:50	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 16:04	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 13:30	02/09/22 19:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	143	mg/L	10.0	10.0	1		02/08/22 11:12		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	146	mg/L	5.0	1.8	1		02/09/22 21:57		
Alkalinity,Bicarbonate (CaCO3)	146	mg/L	5.0	1.8	1		02/09/22 21:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:57		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-39RZ **Lab ID: 9258555021** Collected: 02/02/22 10:16 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		02/12/22 19:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 19:12	16984-48-8	
Sulfate	4.5	mg/L	1.0	0.50	1		02/12/22 19:12	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: FB-3 Lab ID: 9258555022 Collected: 02/02/22 16:04 Received: 02/04/22 11:45 Matrix: Water											
Parameters	Results	Units	Report Limit			MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA											
Zinc	ND	mg/L	0.020	0.0085	1		02/14/22 13:18	02/14/22 22:55	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1		02/14/22 13:18	02/14/22 22:55	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1		02/14/22 13:18	02/14/22 22:55	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1		02/14/22 13:18	02/14/22 22:55	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1		02/14/22 13:18	02/14/22 22:55	7439-95-4		
6020 MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA											
Antimony	ND	mg/L	0.0030	0.00078	1		02/14/22 08:52	02/14/22 23:02	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1		02/14/22 08:52	02/14/22 23:02	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1		02/14/22 08:52	02/14/22 23:02	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1		02/14/22 08:52	02/14/22 23:02	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1		02/14/22 08:52	02/14/22 23:02	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1		02/14/22 08:52	02/14/22 23:02	7440-43-9		
Chromium	0.0011J	mg/L	0.0050	0.0011	1		02/14/22 08:52	02/14/22 23:02	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1		02/14/22 08:52	02/14/22 23:02	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1		02/14/22 08:52	02/14/22 23:02	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1		02/14/22 08:52	02/14/22 23:02	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1		02/14/22 08:52	02/14/22 23:02	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1		02/14/22 08:52	02/14/22 23:02	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1		02/14/22 08:52	02/14/22 23:02	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1		02/14/22 08:52	02/14/22 23:02	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1		02/14/22 08:52	02/15/22 16:10	7440-62-2		
7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA											
Mercury	ND	mg/L	0.00020	0.00013	1		02/09/22 13:30	02/09/22 19:23	7439-97-6		
2540C Total Dissolved Solids Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA											
Total Dissolved Solids	ND	mg/L	10.0	10.0	1			02/08/22 11:12			
2320B Alkalinity Analytical Method: SM 2320B Pace Analytical Services - Minneapolis											
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1			02/09/22 22:03			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1			02/09/22 22:03			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1			02/09/22 22:03			
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville											
Chloride	ND	mg/L	1.0	0.60	1			02/12/22 19:26	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1			02/12/22 19:26	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1			02/12/22 19:26	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Sample: EB-1		Lab ID: 9258555023		Collected: 02/02/22 16:08	Received: 02/04/22 11:45	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 23:00	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 23:00	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 23:00	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 23:00	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 23:00	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 23:08	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 23:08	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 23:08	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 23:08	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 23:08	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 23:08	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 23:08	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 23:08	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 23:08	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 23:08	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 23:08	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 23:08	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 23:08	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 23:08	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 16:16	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 13:30	02/09/22 19:26	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/08/22 11:12			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/09/22 22:07			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 22:07			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 22:07			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/12/22 19:40	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 19:40	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/12/22 19:40	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 678031 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012, 92585555013, 92585555014, 92585555015

METHOD BLANK: 3548482 Matrix: Water
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012, 92585555013, 92585555014, 92585555015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/14/22 14:33	
Magnesium	mg/L	ND	0.050	0.012	02/14/22 14:33	
Potassium	mg/L	ND	0.20	0.15	02/14/22 14:33	
Sodium	mg/L	ND	1.0	0.58	02/14/22 14:33	
Zinc	mg/L	ND	0.020	0.0085	02/14/22 14:33	

LABORATORY CONTROL SAMPLE: 3548483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Magnesium	mg/L	1	1.1	107	80-120	
Potassium	mg/L	1	0.98	98	80-120	
Sodium	mg/L	1	1.0	101	80-120	
Zinc	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548484 3548485

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		292585555002	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Calcium	mg/L	18.5	1	1	18.5	18.3	1	-16	75-125	1	20	M1	
Magnesium	mg/L	10.3	1	1	10.9	10.8	62	52	75-125	1	20	M1	
Potassium	mg/L	0.97	1	1	2.0	2.0	101	104	75-125	1	20		
Sodium	mg/L	1.4	1	1	2.4	2.4	101	99	75-125	1	20		
Zinc	mg/L	ND	1	1	1.0	1.0	104	104	75-125	0	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 678103 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

METHOD BLANK: 3548893 Matrix: Water
Associated Lab Samples: 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/14/22 20:41	
Magnesium	mg/L	ND	0.050	0.012	02/14/22 20:41	
Potassium	mg/L	ND	0.20	0.15	02/14/22 20:41	
Sodium	mg/L	ND	1.0	0.58	02/14/22 20:41	
Zinc	mg/L	ND	0.020	0.0085	02/14/22 20:41	

LABORATORY CONTROL SAMPLE: 3548894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.92J	92	80-120	
Magnesium	mg/L	1	0.97	97	80-120	
Potassium	mg/L	1	0.94	94	80-120	
Sodium	mg/L	1	0.90J	90	80-120	
Zinc	mg/L	1	0.95	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548895 3548896

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92585920002 Result	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	17.2	1	1	17.4	18.9	28	177	75-125	8	20 M1
Magnesium	mg/L	3.1	1	1	3.9	4.2	80	111	75-125	8	20
Potassium	mg/L	2.5	1	1	3.3	3.6	82	113	75-125	9	20
Sodium	mg/L	14.4	1	1	14.7	16.0	33	163	75-125	8	20 M1
Zinc	mg/L	ND	1	1	0.96	0.98	96	98	75-125	2	20

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 677804 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010

METHOD BLANK: 3547662 Matrix: Water
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/12/22 15:37	
Arsenic	mg/L	ND	0.0050	0.0011	02/12/22 15:37	
Barium	mg/L	ND	0.0050	0.00067	02/12/22 15:37	
Beryllium	mg/L	ND	0.00050	0.000054	02/12/22 15:37	
Boron	mg/L	ND	0.040	0.0086	02/12/22 15:37	
Cadmium	mg/L	ND	0.00050	0.00011	02/12/22 15:37	
Chromium	mg/L	ND	0.0050	0.0011	02/12/22 15:37	
Cobalt	mg/L	ND	0.0050	0.00039	02/12/22 15:37	
Copper	mg/L	ND	0.0050	0.00050	02/12/22 15:37	
Lead	mg/L	ND	0.0010	0.00089	02/12/22 15:37	
Nickel	mg/L	ND	0.0050	0.00071	02/12/22 15:37	
Selenium	mg/L	ND	0.0050	0.0014	02/12/22 15:37	
Silver	mg/L	ND	0.0050	0.00044	02/12/22 15:37	
Thallium	mg/L	ND	0.0010	0.00018	02/14/22 13:53	
Vanadium	mg/L	ND	0.010	0.0019	02/12/22 15:37	

LABORATORY CONTROL SAMPLE: 3547663

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.11	106	80-120	
Barium	mg/L	0.1	0.10	105	80-120	
Beryllium	mg/L	0.1	0.11	109	80-120	
Boron	mg/L	1	1.1	113	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Copper	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.10	103	80-120	
Silver	mg/L	0.1	0.11	107	80-120	
Thallium	mg/L	0.1	0.10	105	80-120	
Vanadium	mg/L	0.1	0.10	103	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547664 3547665												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92585555001 Result	Spike Conc.	Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	112	106	75-125	6	20	
Arsenic	mg/L	0.0021J	0.1	0.1	0.11	0.10	104	100	75-125	3	20	
Barium	mg/L	0.013	0.1	0.1	0.12	0.12	109	102	75-125	6	20	
Beryllium	mg/L	ND	0.1	0.1	0.11	0.11	111	109	75-125	2	20	
Boron	mg/L	ND	1	1	1.1	1.1	109	111	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.094	101	94	75-125	7	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	104	101	75-125	3	20	
Cobalt	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20	
Copper	mg/L	ND	0.1	0.1	0.10	0.097	101	97	75-125	4	20	
Lead	mg/L	ND	0.1	0.1	0.11	0.10	107	100	75-125	6	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	2	20	
Silver	mg/L	ND	0.1	0.1	0.11	0.10	108	103	75-125	5	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	2	20	
Vanadium	mg/L	ND	0.1	0.1	0.11	0.10	105	102	75-125	4	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 678016 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585555011, 92585555012, 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

METHOD BLANK: 3548415 Matrix: Water
Associated Lab Samples: 92585555011, 92585555012, 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/14/22 20:15	
Arsenic	mg/L	0.0018J	0.0050	0.0011	02/14/22 20:15	
Barium	mg/L	ND	0.0050	0.00067	02/14/22 20:15	
Beryllium	mg/L	ND	0.00050	0.000054	02/14/22 20:15	
Boron	mg/L	ND	0.040	0.0086	02/14/22 20:15	
Cadmium	mg/L	ND	0.00050	0.00011	02/14/22 20:15	
Chromium	mg/L	ND	0.0050	0.0011	02/14/22 20:15	
Cobalt	mg/L	ND	0.0050	0.00039	02/14/22 20:15	
Copper	mg/L	ND	0.0050	0.00050	02/14/22 20:15	
Lead	mg/L	ND	0.0010	0.00089	02/14/22 20:15	
Nickel	mg/L	ND	0.0050	0.00071	02/14/22 20:15	
Selenium	mg/L	ND	0.0050	0.0014	02/14/22 20:15	
Silver	mg/L	ND	0.0050	0.00044	02/14/22 20:15	
Thallium	mg/L	ND	0.0010	0.00018	02/14/22 20:15	
Vanadium	mg/L	ND	0.010	0.0019	02/14/22 20:15	

LABORATORY CONTROL SAMPLE: 3548416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	110	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.11	105	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.095	95	80-120	
Copper	mg/L	0.1	0.094	94	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.097	97	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Parameter	Units	3548417		3548418		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		9258555011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	111	75-125	3	20		
Arsenic	mg/L	0.0012J	0.1	0.1	0.10	0.10	99	99	75-125	0	20		
Barium	mg/L	0.029	0.1	0.1	0.14	0.15	112	117	75-125	4	20		
Beryllium	mg/L	ND	0.1	0.1	0.096	0.10	96	100	75-125	4	20		
Boron	mg/L	0.020J	1	1	0.97	1.0	95	98	75-125	4	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.11	102	105	75-125	3	20		
Chromium	mg/L	ND	0.1	0.1	0.099	0.10	98	99	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.096	0.098	95	97	75-125	2	20		
Copper	mg/L	0.0028J	0.1	0.1	0.096	0.099	93	96	75-125	3	20		
Lead	mg/L	ND	0.1	0.1	0.097	0.10	97	100	75-125	3	20		
Nickel	mg/L	0.00095J	0.1	0.1	0.096	0.10	95	100	75-125	4	20		
Selenium	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	0	20		
Silver	mg/L	ND	0.1	0.1	0.098	0.10	98	101	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.097	0.10	97	100	75-125	3	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	99	100	75-125	1	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch:	677026	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012, 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020

METHOD BLANK: 3543220 Matrix: Water

Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012, 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/09/22 16:51	

LABORATORY CONTROL SAMPLE: 3543221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3543222 3543223

Parameter	Units	92585555001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0024	96	95	75-125	1	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 677028	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585555021, 92585555022, 92585555023

METHOD BLANK: 3543231 Matrix: Water
Associated Lab Samples: 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/09/22 18:07	

LABORATORY CONTROL SAMPLE: 3543232

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3543233 3543234

Parameter	Units	92585920002		3543234		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0020	0.0021	79	83	75-125	6	20

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 675815 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012

METHOD BLANK: 3537021 Matrix: Water
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/03/22 16:05	

LABORATORY CONTROL SAMPLE: 3537022

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	377	94	80-120	

SAMPLE DUPLICATE: 3537023

Parameter	Units	92585881002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	62.0	62.0	0	25	

SAMPLE DUPLICATE: 3537024

Parameter	Units	92585555008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	63.0	62.0	2	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 676438 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018

METHOD BLANK: 3540515 Matrix: Water
Associated Lab Samples: 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/07/22 16:40	

LABORATORY CONTROL SAMPLE: 3540516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	375	94	80-120	

SAMPLE DUPLICATE: 3540517

Parameter	Units	92585561006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	256	265	3	25	

SAMPLE DUPLICATE: 3540518

Parameter	Units	92586342009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	156	171	9	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 676439	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585555019, 92585555020

METHOD BLANK: 3540519 Matrix: Water
Associated Lab Samples: 92585555019, 92585555020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/07/22 17:19	

LABORATORY CONTROL SAMPLE: 3540520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	374	94	80-120	

SAMPLE DUPLICATE: 3540521

Parameter	Units	92585555019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	180	181	1	25	

SAMPLE DUPLICATE: 3540522

Parameter	Units	92585920011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	96.0	94.0	2	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 676566 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585555021, 92585555022, 92585555023

METHOD BLANK: 3541419 Matrix: Water
Associated Lab Samples: 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/08/22 11:11	

LABORATORY CONTROL SAMPLE: 3541420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	390	98	80-120	

SAMPLE DUPLICATE: 3541421

Parameter	Units	92585920025 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	65.0	46.0	34	25	D6

SAMPLE DUPLICATE: 3541422

Parameter	Units	92586436013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	102	103	1	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 797866 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009

METHOD BLANK: 4239372 Matrix: Water
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/08/22 21:36	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/08/22 21:36	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/08/22 21:36	

LABORATORY CONTROL SAMPLE & LCSD: 4239373 4239374

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	41.8	41.3	104	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4239375 4239376

Parameter	Units	10596751001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	22.6	40	40	53.6	59.6	78	93	80-120	10	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4239377 4239378

Parameter	Units	92585555002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	84.2	40	40	121	124	92	100	80-120	2	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 798025 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 92585555010, 92585555011, 92585555012

METHOD BLANK: 4240244 Matrix: Water

Associated Lab Samples: 92585555010, 92585555011, 92585555012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/09/22 14:38	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/09/22 14:38	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/09/22 14:38	

LABORATORY CONTROL SAMPLE & LCSD: 4240245 4240246

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	41.9	41.9	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240247 4240248

Parameter	Units	92585555010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	8.1	40	40	50.3	51.8	106	109	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240249 4240250

Parameter	Units	10596970001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	21.0	40	40	60.5	60.8	99	99	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 798068 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

METHOD BLANK: 4240572 Matrix: Water
Associated Lab Samples: 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/09/22 16:51	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/09/22 16:51	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/09/22 16:51	

LABORATORY CONTROL SAMPLE & LCSD: 4240573 4240574

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	42.2	42.1	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240575 4240576

Parameter	Units	10596353002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	127	40	40	167	167	100	100	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240827 4240828

Parameter	Units	92585555016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	132	40	40	172	171	100	97	80-120	1	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch:	676332	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012

METHOD BLANK: 3540061 Matrix: Water
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/06/22 23:27	
Fluoride	mg/L	ND	0.10	0.050	02/06/22 23:27	
Sulfate	mg/L	ND	1.0	0.50	02/06/22 23:27	

LABORATORY CONTROL SAMPLE: 3540062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.3	95	90-110	
Fluoride	mg/L	2.5	2.3	92	90-110	
Sulfate	mg/L	50	45.8	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3540063 3540064

Parameter	Units	92585058030		3540064		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	ND	50	50	48.9	49.4	98	99	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.3	2.3	92	93	90-110	1	10
Sulfate	mg/L	ND	50	50	48.2	48.7	96	97	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3540065 3540066

Parameter	Units	92585555010		3540066		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	4.8	50	50	55.6	55.1	102	101	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	100	100	90-110	0	10
Sulfate	mg/L	1.2	50	50	51.6	51.1	101	100	90-110	1	10

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 677497 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92585555013

METHOD BLANK: 3545965 Matrix: Water
Associated Lab Samples: 92585555013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/11/22 07:04	
Fluoride	mg/L	ND	0.10	0.050	02/11/22 07:04	
Sulfate	mg/L	ND	1.0	0.50	02/11/22 07:04	

LABORATORY CONTROL SAMPLE: 3545966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.1	104	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3545967 3545968

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92587247021	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	53.3	50	50	90.2	88.9	74	71	90-110	1	10	M1	
Fluoride	mg/L	0.41	2.5	2.5	3.1	3.1	106	106	90-110	0	10		
Sulfate	mg/L	95.9	50	50	140	139	89	86	90-110	1	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3545969 3545970

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92587247031	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	73.8	50	50	106	107	65	67	90-110	1	10	M1	
Fluoride	mg/L	1.1	2.5	2.5	3.7	3.8	106	108	90-110	2	10		
Sulfate	mg/L	141	50	50	179	180	77	79	90-110	1	10	M1	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch:	677743	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

METHOD BLANK: 3547238 Matrix: Water
Associated Lab Samples: 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/12/22 16:11	
Fluoride	mg/L	ND	0.10	0.050	02/12/22 16:11	
Sulfate	mg/L	ND	1.0	0.50	02/12/22 16:11	

LABORATORY CONTROL SAMPLE: 3547239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547240 3547241

Parameter	Units	92585555014		3547241		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	4.3	50	50	60.1	60.2	112	112	90-110	0	10 M1
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	110	111	90-110	1	10 M1
Sulfate	mg/L	6.1	50	50	62.6	62.4	113	113	90-110	0	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547242 3547243

Parameter	Units	92586436001		3547243		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	1.2	50	50	57.3	57.5	112	113	90-110	0	10 M1
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	110	111	90-110	1	10 M1
Sulfate	mg/L	0.93J	50	50	57.2	57.7	113	114	90-110	1	10 M1

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9258555001	GWA-39Z				
9258555002	GWA-40				
9258555003	GWA-41				
9258555004	GWA-41R				
9258555005	GWA-42				
9258555006	GWA-43				
9258555007	GWA-43R				
9258555008	GWC-44				
9258555009	GWC-46R				
9258555010	GWC-48				
9258555013	GWC-45				
9258555014	GWC-45R				
9258555015	GWC-47				
9258555016	GWC-47R				
9258555017	GWC-49Z				
9258555018	GWC-49R				
9258555021	GWA-39RZ				
9258555001	GWA-39Z	EPA 3010A	678031	EPA 6010D	678095
9258555002	GWA-40	EPA 3010A	678031	EPA 6010D	678095
9258555003	GWA-41	EPA 3010A	678031	EPA 6010D	678095
9258555004	GWA-41R	EPA 3010A	678031	EPA 6010D	678095
9258555005	GWA-42	EPA 3010A	678031	EPA 6010D	678095
9258555006	GWA-43	EPA 3010A	678031	EPA 6010D	678095
9258555007	GWA-43R	EPA 3010A	678031	EPA 6010D	678095
9258555008	GWC-44	EPA 3010A	678031	EPA 6010D	678095
9258555009	GWC-46R	EPA 3010A	678031	EPA 6010D	678095
9258555010	GWC-48	EPA 3010A	678031	EPA 6010D	678095
9258555011	DUP-1	EPA 3010A	678031	EPA 6010D	678095
9258555012	FB-1	EPA 3010A	678031	EPA 6010D	678095
9258555013	GWC-45	EPA 3010A	678031	EPA 6010D	678095
9258555014	GWC-45R	EPA 3010A	678031	EPA 6010D	678095
9258555015	GWC-47	EPA 3010A	678031	EPA 6010D	678095
9258555016	GWC-47R	EPA 3010A	678103	EPA 6010D	678189
9258555017	GWC-49Z	EPA 3010A	678103	EPA 6010D	678189
9258555018	GWC-49R	EPA 3010A	678103	EPA 6010D	678189
9258555019	DUP-2	EPA 3010A	678103	EPA 6010D	678189
9258555020	FB-2	EPA 3010A	678103	EPA 6010D	678189
9258555021	GWA-39RZ	EPA 3010A	678103	EPA 6010D	678189
9258555022	FB-3	EPA 3010A	678103	EPA 6010D	678189
9258555023	EB-1	EPA 3010A	678103	EPA 6010D	678189
9258555001	GWA-39Z	EPA 3005A	677804	EPA 6020B	677940
9258555002	GWA-40	EPA 3005A	677804	EPA 6020B	677940
9258555003	GWA-41	EPA 3005A	677804	EPA 6020B	677940
9258555004	GWA-41R	EPA 3005A	677804	EPA 6020B	677940
9258555005	GWA-42	EPA 3005A	677804	EPA 6020B	677940
9258555006	GWA-43	EPA 3005A	677804	EPA 6020B	677940
9258555007	GWA-43R	EPA 3005A	677804	EPA 6020B	677940

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585555008	GWC-44	EPA 3005A	677804	EPA 6020B	677940
92585555009	GWC-46R	EPA 3005A	677804	EPA 6020B	677940
92585555010	GWC-48	EPA 3005A	677804	EPA 6020B	677940
92585555011	DUP-1	EPA 3005A	678016	EPA 6020B	678130
92585555012	FB-1	EPA 3005A	678016	EPA 6020B	678130
92585555013	GWC-45	EPA 3005A	678016	EPA 6020B	678130
92585555014	GWC-45R	EPA 3005A	678016	EPA 6020B	678130
92585555015	GWC-47	EPA 3005A	678016	EPA 6020B	678130
92585555016	GWC-47R	EPA 3005A	678016	EPA 6020B	678130
92585555017	GWC-49Z	EPA 3005A	678016	EPA 6020B	678130
92585555018	GWC-49R	EPA 3005A	678016	EPA 6020B	678130
92585555019	DUP-2	EPA 3005A	678016	EPA 6020B	678130
92585555020	FB-2	EPA 3005A	678016	EPA 6020B	678130
92585555021	GWA-39RZ	EPA 3005A	678016	EPA 6020B	678130
92585555022	FB-3	EPA 3005A	678016	EPA 6020B	678130
92585555023	EB-1	EPA 3005A	678016	EPA 6020B	678130
92585555001	GWA-39Z	EPA 7470A	677026	EPA 7470A	677148
92585555002	GWA-40	EPA 7470A	677026	EPA 7470A	677148
92585555003	GWA-41	EPA 7470A	677026	EPA 7470A	677148
92585555004	GWA-41R	EPA 7470A	677026	EPA 7470A	677148
92585555005	GWA-42	EPA 7470A	677026	EPA 7470A	677148
92585555006	GWA-43	EPA 7470A	677026	EPA 7470A	677148
92585555007	GWA-43R	EPA 7470A	677026	EPA 7470A	677148
92585555008	GWC-44	EPA 7470A	677026	EPA 7470A	677148
92585555009	GWC-46R	EPA 7470A	677026	EPA 7470A	677148
92585555010	GWC-48	EPA 7470A	677026	EPA 7470A	677148
92585555011	DUP-1	EPA 7470A	677026	EPA 7470A	677148
92585555012	FB-1	EPA 7470A	677026	EPA 7470A	677148
92585555013	GWC-45	EPA 7470A	677026	EPA 7470A	677148
92585555014	GWC-45R	EPA 7470A	677026	EPA 7470A	677148
92585555015	GWC-47	EPA 7470A	677026	EPA 7470A	677148
92585555016	GWC-47R	EPA 7470A	677026	EPA 7470A	677148
92585555017	GWC-49Z	EPA 7470A	677026	EPA 7470A	677148
92585555018	GWC-49R	EPA 7470A	677026	EPA 7470A	677148
92585555019	DUP-2	EPA 7470A	677026	EPA 7470A	677148
92585555020	FB-2	EPA 7470A	677026	EPA 7470A	677148
92585555021	GWA-39RZ	EPA 7470A	677028	EPA 7470A	677150
92585555022	FB-3	EPA 7470A	677028	EPA 7470A	677150
92585555023	EB-1	EPA 7470A	677028	EPA 7470A	677150
92585555001	GWA-39Z	SM 2540C-2015	675815		
92585555002	GWA-40	SM 2540C-2015	675815		
92585555003	GWA-41	SM 2540C-2015	675815		
92585555004	GWA-41R	SM 2540C-2015	675815		
92585555005	GWA-42	SM 2540C-2015	675815		
92585555006	GWA-43	SM 2540C-2015	675815		
92585555007	GWA-43R	SM 2540C-2015	675815		
92585555008	GWC-44	SM 2540C-2015	675815		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585555009	GWC-46R	SM 2540C-2015	675815		
92585555010	GWC-48	SM 2540C-2015	675815		
92585555011	DUP-1	SM 2540C-2015	675815		
92585555012	FB-1	SM 2540C-2015	675815		
92585555013	GWC-45	SM 2540C-2015	676438		
92585555014	GWC-45R	SM 2540C-2015	676438		
92585555015	GWC-47	SM 2540C-2015	676438		
92585555016	GWC-47R	SM 2540C-2015	676438		
92585555017	GWC-49Z	SM 2540C-2015	676438		
92585555018	GWC-49R	SM 2540C-2015	676438		
92585555019	DUP-2	SM 2540C-2015	676439		
92585555020	FB-2	SM 2540C-2015	676439		
92585555021	GWA-39RZ	SM 2540C-2015	676566		
92585555022	FB-3	SM 2540C-2015	676566		
92585555023	EB-1	SM 2540C-2015	676566		
92585555001	GWA-39Z	SM 2320B	797866		
92585555002	GWA-40	SM 2320B	797866		
92585555003	GWA-41	SM 2320B	797866		
92585555004	GWA-41R	SM 2320B	797866		
92585555005	GWA-42	SM 2320B	797866		
92585555006	GWA-43	SM 2320B	797866		
92585555007	GWA-43R	SM 2320B	797866		
92585555008	GWC-44	SM 2320B	797866		
92585555009	GWC-46R	SM 2320B	797866		
92585555010	GWC-48	SM 2320B	798025		
92585555011	DUP-1	SM 2320B	798025		
92585555012	FB-1	SM 2320B	798025		
92585555013	GWC-45	SM 2320B	798068		
92585555014	GWC-45R	SM 2320B	798068		
92585555015	GWC-47	SM 2320B	798068		
92585555016	GWC-47R	SM 2320B	798068		
92585555017	GWC-49Z	SM 2320B	798068		
92585555018	GWC-49R	SM 2320B	798068		
92585555019	DUP-2	SM 2320B	798068		
92585555020	FB-2	SM 2320B	798068		
92585555021	GWA-39RZ	SM 2320B	798068		
92585555022	FB-3	SM 2320B	798068		
92585555023	EB-1	SM 2320B	798068		
92585555001	GWA-39Z	EPA 300.0 Rev 2.1 1993	676332		
92585555002	GWA-40	EPA 300.0 Rev 2.1 1993	676332		
92585555003	GWA-41	EPA 300.0 Rev 2.1 1993	676332		
92585555004	GWA-41R	EPA 300.0 Rev 2.1 1993	676332		
92585555005	GWA-42	EPA 300.0 Rev 2.1 1993	676332		
92585555006	GWA-43	EPA 300.0 Rev 2.1 1993	676332		
92585555007	GWA-43R	EPA 300.0 Rev 2.1 1993	676332		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585555008	GWC-44	EPA 300.0 Rev 2.1 1993	676332		
92585555009	GWC-46R	EPA 300.0 Rev 2.1 1993	676332		
92585555010	GWC-48	EPA 300.0 Rev 2.1 1993	676332		
92585555011	DUP-1	EPA 300.0 Rev 2.1 1993	676332		
92585555012	FB-1	EPA 300.0 Rev 2.1 1993	676332		
92585555013	GWC-45	EPA 300.0 Rev 2.1 1993	677497		
92585555014	GWC-45R	EPA 300.0 Rev 2.1 1993	677743		
92585555015	GWC-47	EPA 300.0 Rev 2.1 1993	677743		
92585555016	GWC-47R	EPA 300.0 Rev 2.1 1993	677743		
92585555017	GWC-49Z	EPA 300.0 Rev 2.1 1993	677743		
92585555018	GWC-49R	EPA 300.0 Rev 2.1 1993	677743		
92585555019	DUP-2	EPA 300.0 Rev 2.1 1993	677743		
92585555020	FB-2	EPA 300.0 Rev 2.1 1993	677743		
92585555021	GWA-39RZ	EPA 300.0 Rev 2.1 1993	677743		
92585555022	FB-3	EPA 300.0 Rev 2.1 1993	677743		
92585555023	EB-1	EPA 300.0 Rev 2.1 1993	677743		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-C5-033-Rev.08

Document Revised: November 15, 2021
 Page 1 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

G-A Power

Project #:

WO# : 92585555



Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/1/22
[Signature]

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 230 Type of Ice: Wet Blue None

Cooler Temp: 4.8 Correction Factor: Add/Subtract (°C) +0.2

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.0

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?
 Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		1.
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		4.
Sufficient Volume?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		9.
-Includes Date/Time/ID/Analysis Matrix:	<u>W</u>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
Bottle Identification Form (BIF)

Document No.:
F-CAR-CS-043-Rev.01

Document Issued: November 15, 2021
Page 1 of 1

Issuing Authority:
Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project #

WO# : 92585555

PM: NMG

Due Date: 02/15/22

CLIENT: GA-GA Power

Matrix	Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		2	1																											
2		2	1																											
3		2	1																											
4		2	1																											
5		2	1																											
6		2	1																											
7		2	1																											
8		2	1																											
9		2	1																											
10		2	1																											
11		2	1																											
12		2	1																											

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



Section A Required Client Information: Company: GA Power, Address: 1003 Weatherstone Parkway, Woodstock, Ga 30188, Telephone: (678)5489415, Fax: (678)5489415, Requested Due Date/TAT: 10 Day.

Section B Required Project Information: Report To: Kristen Juritko, Copy To: Rhonda Quinn, Purchase Order No: [blank], Project Name: Plant Bowen Landfill Cells 9 and 10, Project Number: [blank].

Section C Invoice Information: Attention: Southern Co, Company Name: Southern Co, Address: [blank], POC Name: Nicole Dolio, POC Project Manager: Nicole Dolio, POC Profile #: 2928.

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER cer

Site Location: GA

Requested Analysis Filtered (Y/N): [blank]

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				DATE	TIME									
1	Sample IDs MUST BE UNIQUE	-GWC-47												
2		-GWC-48				1/31/22	16:14	4	3	1	X X X X		4	86
3		-GWC-49				1/31/22	15:50	4	3	1	X X X X			
4		Dup-1												
5		-FBP-2												
6		-FBP-FB-1												
7		-FBL-1												
8		-FBL-2												
9		-FBL-3												
10		-FBL-4												
11		-FBL-5												
12		-FBL-6												

Relinquished by / Affiliation: William Laaker, Date: 2/1/22, Time: 0800, Accepted by / Affiliation: Atoya Garner, Date: 2/1/22, Time: 0800.

Additional Comments: Atoya Garner, Ryan Williams / Pace, Date: 2/1/22, Time: 1700, Accepted by / Affiliation: Ryan Williams / Pace, Date: 2/1/22, Time: 1700.

Additional Comments: Kite Metals include Sp. As, Ba, Be, Cd, Ca, C, Cu, Pb, Ni, Se, Ag, Ti, V, Zn, Co.

Sampler Name and Signature: PRINT Name of SAMPLER: Will Laaker, Kevin Stephenson, Robert Mull, Meredith Duncan. SIGNATURE of SAMPLER: [Signatures]. DATE Signed (MM/DD/YYYY): 1/31/22.

Temp in °C: [blank]. Received on Ice (Y/N): [blank]. Custody Sealed Cooler (Y/N): [blank]. Samples intact (Y/N): [blank].

March 09, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between February 04, 2022 and February 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA
- Pace Analytical Services - Minneapolis

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Michelle Barker, WOOD E&I
Anna Bottum, ERM
Andrea Brazell, ERM
Kristen Jurinko
Ms. Lauren Petty, Southern Company
Rhonda Quinn, WOOD E&I
Lacy Smith, ERM
Caitlin Tillema, ERM
Christine Weaver, ERM

Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Pace Analytical Services Peachtree Corners
South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92586436001	GWA-1	Water	02/01/22 14:50	02/04/22 11:45
92586436002	GWA-2	Water	02/01/22 14:44	02/04/22 11:45
92586436003	GWA-2R	Water	02/01/22 15:45	02/04/22 11:45
92586436004	GWA-50	Water	02/01/22 15:40	02/04/22 11:45
92586436005	DUP-1	Water	02/01/22 00:00	02/04/22 11:45
92586436006	FB-1	Water	02/01/22 16:00	02/04/22 11:45
92586436007	GWA-3A	Water	02/02/22 12:08	02/04/22 11:45
92586436008	GWC-5	Water	02/02/22 11:34	02/04/22 11:45
92586436009	GWC-6	Water	02/02/22 15:22	02/04/22 11:45
92586436010	GWC-6RZ	Water	02/02/22 14:00	02/04/22 11:45
92586436011	GWC-7Z	Water	02/02/22 12:15	02/04/22 11:45
92586436012	GWC-8Z	Water	02/02/22 14:24	02/04/22 11:45
92586436013	GWC-8RR	Water	02/02/22 16:16	02/04/22 11:45
92586436014	GWC-9	Water	02/02/22 15:02	02/04/22 11:45
92586436015	GWC-12	Water	02/02/22 15:55	02/04/22 11:45
92586436016	GWA-50R	Water	02/02/22 10:12	02/04/22 11:45
92586436017	DUP-2	Water	02/02/22 00:00	02/04/22 11:45
92586436018	FB-2	Water	02/02/22 16:14	02/04/22 11:45
92586436019	GWA-4RZ	Water	02/03/22 10:55	02/04/22 11:45
92586436020	FB-3	Water	02/03/22 12:00	02/04/22 11:45
92586436021	GWC-10	Water	02/04/22 11:15	02/08/22 08:10
92586436022	GWC-10R	Water	02/04/22 12:40	02/08/22 08:10
92586436023	GWC-11	Water	02/04/22 12:33	02/08/22 08:10
92586436024	GWC-11R	Water	02/04/22 10:45	02/08/22 08:10
92586436025	GWC-13RZ	Water	02/04/22 09:44	02/08/22 08:10
92586436026	GWC-14Z	Water	02/04/22 11:30	02/08/22 08:10
92586436027	GWC-15R	Water	02/04/22 13:14	02/08/22 08:10
92586436028	DUP-3	Water	02/04/22 00:00	02/08/22 08:10
92586436029	FB-4	Water	02/04/22 13:15	02/08/22 08:10
92586436030	GWC-15Z	Water	02/07/22 10:13	02/08/22 08:10
92586436031	FB-5	Water	02/07/22 11:30	02/08/22 08:10
92586436032	GWC-13	Water	02/17/22 13:06	02/18/22 09:52
92586436033	FB-6	Water	02/17/22 13:40	02/18/22 09:52

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436001	GWA-1	EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92586436002	GWA-2	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436003	GWA-2R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92586436004	GWA-50	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92586436005	DUP-1	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
92586436006	FB-1	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
92586436007	GWA-3A	EPA 6010D	DRB	5	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436008	GWC-5	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92586436009	GWC-6	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92586436010	GWC-6RZ	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
92586436011	GWC-7Z	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92586436012	GWC-8Z	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92586436013	GWC-8RR	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436014	GWC-9	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436015	GWC-12	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
92586436016	GWA-50R	EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92586436017	DUP-2	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436018	FB-2	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
92586436019	GWA-4RZ	EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436020	FB-3	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436021	GWC-10	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92586436022	GWC-10R	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
92586436023	GWC-11	EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
92586436024	GWC-11R	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92586436025	GWC-13RZ	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436026	GWC-14Z	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436027	GWC-15R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436028	DUP-3	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436029	FB-4	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436030	GWC-15Z	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436031	FB-5	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436032	GWC-13	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AB3	3	PASI-M
92586436033	FB-6	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AB3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436001	GWA-1					
	Performed by	CUSTOME			02/07/22 10:49	
		R				
	pH	7.52	Std. Units		02/07/22 10:49	
EPA 6010D	Potassium	1.3	mg/L	0.20	02/18/22 15:52	
EPA 6010D	Sodium	6.5	mg/L	1.0	02/18/22 15:52	
EPA 6010D	Calcium	34.1	mg/L	1.0	02/18/22 15:52	
EPA 6010D	Magnesium	16.4	mg/L	0.050	02/18/22 15:52	
EPA 6020B	Antimony	0.0028J	mg/L	0.0030	02/18/22 14:39	
EPA 6020B	Barium	0.015	mg/L	0.0050	02/18/22 14:39	
SM 2540C-2015	Total Dissolved Solids	143	mg/L	10.0	02/07/22 17:20	
SM 2320B	Alkalinity, Total as CaCO3	161	mg/L	5.0	02/10/22 16:44	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	02/10/22 16:44	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	02/12/22 19:54	M1
EPA 300.0 Rev 2.1 1993	Sulfate	0.93J	mg/L	1.0	02/12/22 19:54	M1
92586436002	GWA-2					
	Performed by	CUSTOME			02/07/22 10:50	
		R				
	pH	6.30	Std. Units		02/07/22 10:50	
EPA 6010D	Potassium	0.88	mg/L	0.20	02/18/22 15:56	
EPA 6010D	Sodium	1.9	mg/L	1.0	02/18/22 15:56	
EPA 6010D	Calcium	48.0	mg/L	1.0	02/18/22 15:56	M1
EPA 6010D	Magnesium	14.0	mg/L	0.050	02/18/22 15:56	
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/18/22 14:45	
EPA 6020B	Barium	0.026	mg/L	0.0050	02/18/22 14:45	
SM 2540C-2015	Total Dissolved Solids	202	mg/L	10.0	02/07/22 17:21	
SM 2320B	Alkalinity, Total as CaCO3	80.9	mg/L	5.0	02/10/22 17:00	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	80.9	mg/L	5.0	02/10/22 17:00	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/12/22 21:04	
EPA 300.0 Rev 2.1 1993	Sulfate	86.1	mg/L	1.0	02/12/22 21:04	
92586436003	GWA-2R					
	Performed by	CUSTOME			02/07/22 10:50	
		R				
	pH	6.62	Std. Units		02/07/22 10:50	
EPA 6010D	Potassium	0.67	mg/L	0.20	02/18/22 16:16	
EPA 6010D	Sodium	1.1	mg/L	1.0	02/18/22 16:16	
EPA 6010D	Calcium	34.1	mg/L	1.0	02/18/22 16:16	
EPA 6010D	Magnesium	11.1	mg/L	0.050	02/18/22 16:16	
EPA 6020B	Antimony	0.0029J	mg/L	0.0030	02/18/22 14:51	
EPA 6020B	Arsenic	0.0053	mg/L	0.0050	02/18/22 14:51	
EPA 6020B	Barium	0.024	mg/L	0.0050	02/18/22 14:51	
EPA 6020B	Cobalt	0.00093J	mg/L	0.0050	02/18/22 14:51	
EPA 6020B	Copper	0.00096J	mg/L	0.0050	02/18/22 14:51	
SM 2540C-2015	Total Dissolved Solids	114	mg/L	10.0	02/07/22 17:21	
SM 2320B	Alkalinity, Total as CaCO3	122	mg/L	5.0	02/10/22 17:06	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	122	mg/L	5.0	02/10/22 17:06	
EPA 300.0 Rev 2.1 1993	Chloride	0.77J	mg/L	1.0	02/12/22 21:18	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/12/22 21:18	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436004	GWA-50					
	Performed by	CUSTOME			02/07/22 10:50	
		R				
	pH	5.61	Std. Units		02/07/22 10:50	
EPA 6010D	Potassium	0.25	mg/L	0.20	02/18/22 16:20	
EPA 6010D	Sodium	1.7	mg/L	1.0	02/18/22 16:20	
EPA 6010D	Calcium	1.5	mg/L	1.0	02/18/22 16:20	
EPA 6010D	Magnesium	0.31	mg/L	0.050	02/18/22 16:20	
EPA 6020B	Antimony	0.0015J	mg/L	0.0030	02/18/22 15:15	
EPA 6020B	Barium	0.0065	mg/L	0.0050	02/18/22 15:15	
EPA 6020B	Copper	0.0017J	mg/L	0.0050	02/18/22 15:15	
EPA 6020B	Nickel	0.00080J	mg/L	0.0050	02/18/22 15:15	
SM 2540C-2015	Total Dissolved Solids	21.0	mg/L	10.0	02/07/22 17:21	
SM 2320B	Alkalinity, Total as CaCO3	4.7J	mg/L	5.0	02/10/22 19:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	4.7J	mg/L	5.0	02/10/22 19:19	
EPA 300.0 Rev 2.1 1993	Chloride	0.91J	mg/L	1.0	02/12/22 21:32	
92586436005	DUP-1					
EPA 6010D	Potassium	0.71	mg/L	0.20	02/18/22 16:25	
EPA 6010D	Sodium	1.1	mg/L	1.0	02/18/22 16:25	
EPA 6010D	Calcium	33.8	mg/L	1.0	02/18/22 16:25	
EPA 6010D	Magnesium	11.0	mg/L	0.050	02/18/22 16:25	
EPA 6020B	Antimony	0.0033	mg/L	0.0030	02/18/22 15:21	
EPA 6020B	Arsenic	0.0037J	mg/L	0.0050	02/18/22 15:21	
EPA 6020B	Barium	0.024	mg/L	0.0050	02/18/22 15:21	
EPA 6020B	Cobalt	0.00090J	mg/L	0.0050	02/18/22 15:21	
EPA 6020B	Copper	0.00078J	mg/L	0.0050	02/18/22 15:21	
SM 2540C-2015	Total Dissolved Solids	118	mg/L	10.0	02/07/22 17:21	
SM 2320B	Alkalinity, Total as CaCO3	120	mg/L	5.0	02/10/22 17:15	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	120	mg/L	5.0	02/10/22 17:15	
EPA 300.0 Rev 2.1 1993	Chloride	0.77J	mg/L	1.0	02/12/22 21:46	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/12/22 21:46	
92586436007	GWA-3A					
	Performed by	CUSTOME			02/07/22 10:50	
		R				
	pH	7.94	Std. Units		02/07/22 10:50	
EPA 6010D	Potassium	1.2	mg/L	0.20	02/18/22 16:44	
EPA 6010D	Sodium	3.5	mg/L	1.0	02/18/22 16:44	
EPA 6010D	Calcium	22.6	mg/L	1.0	02/18/22 16:44	
EPA 6010D	Magnesium	11.3	mg/L	0.050	02/18/22 16:44	
EPA 6020B	Barium	0.0064	mg/L	0.0050	02/18/22 15:50	
EPA 6020B	Chromium	0.0069	mg/L	0.0050	02/18/22 15:50	
SM 2540C-2015	Total Dissolved Solids	104	mg/L	10.0	02/08/22 11:13	
SM 2320B	Alkalinity, Total as CaCO3	97.5	mg/L	5.0	02/10/22 20:33	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	97.5	mg/L	5.0	02/10/22 20:33	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	02/12/22 22:14	
EPA 300.0 Rev 2.1 1993	Sulfate	3.4	mg/L	1.0	02/12/22 22:14	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436008	GWC-5					
	Performed by	CUSTOME			02/07/22 10:50	
		R				
	pH	5.90	Std. Units		02/07/22 10:50	
EPA 6010D	Zinc	0.034	mg/L	0.020	02/18/22 16:49	
EPA 6010D	Potassium	1.8	mg/L	0.20	02/18/22 16:49	
EPA 6010D	Sodium	1.7	mg/L	1.0	02/18/22 16:49	
EPA 6010D	Calcium	3.7	mg/L	1.0	02/18/22 16:49	
EPA 6010D	Magnesium	0.27	mg/L	0.050	02/18/22 16:49	
EPA 6020B	Barium	0.012	mg/L	0.0050	02/18/22 15:56	
EPA 6020B	Beryllium	0.00075	mg/L	0.00050	02/18/22 15:56	
EPA 6020B	Copper	0.024	mg/L	0.0050	02/18/22 15:56	
EPA 6020B	Nickel	0.0088	mg/L	0.0050	02/18/22 15:56	
SM 2540C-2015	Total Dissolved Solids	32.0	mg/L	10.0	02/08/22 11:13	
SM 2320B	Alkalinity, Total as CaCO3	11.9	mg/L	5.0	02/10/22 21:53	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	11.9	mg/L	5.0	02/10/22 21:53	
EPA 300.0 Rev 2.1 1993	Chloride	0.66J	mg/L	1.0	02/12/22 22:27	
EPA 300.0 Rev 2.1 1993	Sulfate	1.0	mg/L	1.0	02/12/22 22:27	
92586436009	GWC-6					
	Performed by	CUSTOME			02/07/22 10:51	
		R				
	pH	7.40	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/18/22 16:54	
EPA 6010D	Sodium	1.0	mg/L	1.0	02/18/22 16:54	
EPA 6010D	Calcium	15.5	mg/L	1.0	02/18/22 16:54	
EPA 6010D	Magnesium	7.6	mg/L	0.050	02/18/22 16:54	
EPA 6020B	Barium	0.0064	mg/L	0.0050	02/18/22 16:02	
EPA 6020B	Chromium	0.0026J	mg/L	0.0050	02/18/22 16:02	
SM 2540C-2015	Total Dissolved Solids	73.0	mg/L	10.0	02/08/22 11:13	
SM 2320B	Alkalinity, Total as CaCO3	63.7	mg/L	5.0	02/10/22 20:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	63.7	mg/L	5.0	02/10/22 20:40	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/12/22 22:41	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/12/22 22:41	
92586436010	GWC-6RZ					
	Performed by	CUSTOME			02/07/22 10:51	
		R				
	pH	6.80	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	0.79	mg/L	0.20	02/18/22 16:58	
EPA 6010D	Sodium	1.6	mg/L	1.0	02/18/22 16:58	
EPA 6010D	Calcium	10.5	mg/L	1.0	02/18/22 16:58	
EPA 6010D	Magnesium	5.4	mg/L	0.050	02/18/22 16:58	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	02/18/22 16:08	
EPA 6020B	Barium	0.0066	mg/L	0.0050	02/18/22 16:08	
EPA 6020B	Beryllium	0.000070J	mg/L	0.00050	02/18/22 16:08	
EPA 6020B	Chromium	0.0024J	mg/L	0.0050	02/18/22 16:08	
SM 2540C-2015	Total Dissolved Solids	51.0	mg/L	10.0	02/08/22 11:13	
SM 2320B	Alkalinity, Total as CaCO3	43.6	mg/L	5.0	02/10/22 20:44	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	43.6	mg/L	5.0	02/10/22 20:44	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436010	GWC-6RZ					
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	02/12/22 22:55	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/12/22 22:55	
92586436011	GWC-7Z					
	Performed by	CUSTOMER			02/07/22 10:51	
	pH	7.54	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	0.97	mg/L	0.20	02/18/22 17:03	
EPA 6010D	Sodium	2.7	mg/L	1.0	02/18/22 17:03	
EPA 6010D	Calcium	26.9	mg/L	1.0	02/18/22 17:03	
EPA 6010D	Magnesium	13.4	mg/L	0.050	02/18/22 17:03	
EPA 6020B	Antimony	0.00093J	mg/L	0.0030	02/18/22 16:14	
EPA 6020B	Arsenic	0.0020J	mg/L	0.0050	02/18/22 16:14	
EPA 6020B	Barium	0.015	mg/L	0.0050	02/18/22 16:14	
EPA 6020B	Cobalt	0.00042J	mg/L	0.0050	02/18/22 16:14	
SM 2540C-2015	Total Dissolved Solids	115	mg/L	10.0	02/08/22 11:14	
SM 2320B	Alkalinity, Total as CaCO3	123	mg/L	5.0	02/10/22 20:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	123	mg/L	5.0	02/10/22 20:48	
EPA 300.0 Rev 2.1 1993	Chloride	0.76J	mg/L	1.0	02/13/22 00:05	M1
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	02/13/22 00:05	M1
92586436012	GWC-8Z					
	Performed by	CUSTOMER			02/07/22 10:51	
	pH	8.92	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	1.8	mg/L	0.20	02/18/22 17:08	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/18/22 17:08	
EPA 6010D	Calcium	20.8	mg/L	1.0	02/18/22 17:08	
EPA 6010D	Magnesium	7.0	mg/L	0.050	02/18/22 17:08	
EPA 6020B	Arsenic	0.0011J	mg/L	0.0050	02/18/22 16:20	
EPA 6020B	Barium	0.024	mg/L	0.0050	02/18/22 16:20	
EPA 6020B	Beryllium	0.00064J	mg/L	0.00050	02/18/22 16:20	
EPA 6020B	Chromium	0.0021J	mg/L	0.0050	02/18/22 16:20	
SM 2540C-2015	Total Dissolved Solids	85.0	mg/L	10.0	02/08/22 11:14	
SM 2320B	Alkalinity, Total as CaCO3	76.7	mg/L	5.0	02/10/22 20:52	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	76.7	mg/L	5.0	02/10/22 20:52	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/13/22 00:47	
EPA 300.0 Rev 2.1 1993	Sulfate	0.72J	mg/L	1.0	02/13/22 00:47	
92586436013	GWC-8RR					
	Performed by	CUSTOMER			02/07/22 10:51	
	pH	8.13	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	1.3	mg/L	0.20	02/18/22 17:13	
EPA 6010D	Sodium	0.81J	mg/L	1.0	02/18/22 17:13	
EPA 6010D	Calcium	23.9	mg/L	1.0	02/18/22 17:13	
EPA 6010D	Magnesium	11.0	mg/L	0.050	02/18/22 17:13	
EPA 6020B	Antimony	0.0015J	mg/L	0.0030	02/18/22 16:26	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	02/18/22 16:26	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436013	GWC-8RR					
EPA 6020B	Barium	0.013	mg/L	0.0050	02/18/22 16:26	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	02/18/22 16:26	
SM 2540C-2015	Total Dissolved Solids	102	mg/L	10.0	02/08/22 11:14	
SM 2320B	Alkalinity, Total as CaCO3	102	mg/L	5.0	02/10/22 21:12	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	02/10/22 21:12	
EPA 300.0 Rev 2.1 1993	Chloride	0.77J	mg/L	1.0	02/13/22 01:01	
EPA 300.0 Rev 2.1 1993	Sulfate	0.72J	mg/L	1.0	02/13/22 01:01	
92586436014	GWC-9					
	Performed by	CUSTOMER			02/07/22 10:51	
	pH	4.81	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	0.92	mg/L	0.20	02/18/22 17:17	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/18/22 17:17	
EPA 6010D	Calcium	2.2	mg/L	1.0	02/18/22 17:17	
EPA 6010D	Magnesium	1.2	mg/L	0.050	02/18/22 17:17	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	02/18/22 16:32	
EPA 6020B	Barium	0.044	mg/L	0.0050	02/18/22 16:32	
EPA 6020B	Beryllium	0.00018J	mg/L	0.00050	02/18/22 16:32	
EPA 6020B	Cobalt	0.00043J	mg/L	0.0050	02/18/22 16:32	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	02/18/22 16:32	
SM 2540C-2015	Total Dissolved Solids	21.0	mg/L	10.0	02/08/22 11:14	
SM 2320B	Alkalinity, Total as CaCO3	2.5J	mg/L	5.0	02/10/22 21:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	2.5J	mg/L	5.0	02/10/22 21:57	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	02/13/22 01:15	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/13/22 01:15	
92586436015	GWC-12					
	Performed by	CUSTOMER			02/07/22 10:52	
	pH	6.35	Std. Units		02/07/22 10:52	
EPA 6010D	Zinc	0.019J	mg/L	0.020	02/18/22 17:22	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/18/22 17:22	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/18/22 17:22	
EPA 6010D	Calcium	8.4	mg/L	1.0	02/18/22 17:22	
EPA 6010D	Magnesium	4.4	mg/L	0.050	02/18/22 17:22	
EPA 6020B	Arsenic	0.0027J	mg/L	0.0050	02/18/22 16:38	
EPA 6020B	Barium	0.023	mg/L	0.0050	02/18/22 16:38	
EPA 6020B	Cadmium	0.0012	mg/L	0.00050	02/18/22 16:38	
EPA 6020B	Cobalt	0.0034J	mg/L	0.0050	02/18/22 16:38	
EPA 6020B	Nickel	0.0025J	mg/L	0.0050	02/18/22 16:38	
SM 2540C-2015	Total Dissolved Solids	54.0	mg/L	10.0	02/08/22 11:14	
SM 2320B	Alkalinity, Total as CaCO3	55.9	mg/L	5.0	02/10/22 21:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	55.9	mg/L	5.0	02/10/22 21:19	
EPA 300.0 Rev 2.1 1993	Chloride	0.79J	mg/L	1.0	02/13/22 01:28	
92586436016	GWA-50R					
	Performed by	CUSTOMER			02/07/22 10:52	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436016	GWA-50R					
	pH	5.17	Std. Units		02/07/22 10:52	
EPA 6010D	Potassium	0.20	mg/L	0.20	02/18/22 17:36	
EPA 6010D	Sodium	0.94J	mg/L	1.0	02/18/22 17:36	
EPA 6010D	Calcium	0.93J	mg/L	1.0	02/18/22 17:36	
EPA 6010D	Magnesium	0.34	mg/L	0.050	02/18/22 17:36	
EPA 6020B	Barium	0.0090	mg/L	0.0050	02/18/22 17:13	
EPA 6020B	Beryllium	0.000055J	mg/L	0.00050	02/18/22 17:13	
EPA 6020B	Copper	0.0033J	mg/L	0.0050	02/18/22 17:13	
EPA 6020B	Nickel	0.00089J	mg/L	0.0050	02/18/22 17:13	
EPA 6020B	Silver	0.0012J	mg/L	0.0050	02/18/22 17:13	
SM 2540C-2015	Total Dissolved Solids	15.0	mg/L	10.0	02/08/22 11:15	
SM 2320B	Alkalinity, Total as CaCO3	2.9J	mg/L	5.0	02/10/22 22:00	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	2.9J	mg/L	5.0	02/10/22 22:00	
EPA 300.0 Rev 2.1 1993	Chloride	0.70J	mg/L	1.0	02/13/22 01:42	
EPA 300.0 Rev 2.1 1993	Sulfate	0.53J	mg/L	1.0	02/13/22 01:42	
92586436017	DUP-2					
EPA 6010D	Potassium	0.97	mg/L	0.20	02/18/22 17:41	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/18/22 17:41	
EPA 6010D	Calcium	2.3	mg/L	1.0	02/18/22 17:41	
EPA 6010D	Magnesium	1.2	mg/L	0.050	02/18/22 17:41	
EPA 6020B	Barium	0.045	mg/L	0.0050	02/18/22 17:19	
EPA 6020B	Beryllium	0.00018J	mg/L	0.00050	02/18/22 17:19	
EPA 6020B	Cobalt	0.00042J	mg/L	0.0050	02/18/22 17:19	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	02/18/22 17:19	
SM 2540C-2015	Total Dissolved Solids	27.0	mg/L	10.0	02/08/22 11:15	
SM 2320B	Alkalinity, Total as CaCO3	2.6J	mg/L	5.0	02/10/22 22:03	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	2.6J	mg/L	5.0	02/10/22 22:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	02/13/22 01:56	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/13/22 01:56	
92586436019	GWA-4RZ					
	Performed by	CUSTOMER			02/07/22 10:52	
	pH	7.20	Std. Units		02/07/22 10:52	
EPA 6010D	Potassium	0.88	mg/L	0.20	02/18/22 18:15	
EPA 6010D	Sodium	3.8	mg/L	1.0	02/18/22 18:15	
EPA 6010D	Calcium	57.7	mg/L	1.0	02/18/22 18:15	M1
EPA 6010D	Magnesium	24.6	mg/L	0.050	02/18/22 18:15	M1
EPA 6020B	Arsenic	0.0034J	mg/L	0.0050	02/18/22 17:31	
EPA 6020B	Barium	0.063	mg/L	0.0050	02/18/22 17:31	
EPA 6020B	Cobalt	0.0059	mg/L	0.0050	02/18/22 17:31	
SM 2540C-2015	Total Dissolved Solids	243	mg/L	10.0	02/09/22 10:14	
SM 2320B	Alkalinity, Total as CaCO3	221	mg/L	5.0	02/15/22 17:21	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	221	mg/L	5.0	02/15/22 17:21	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	02/13/22 02:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	02/13/22 02:52	
EPA 300.0 Rev 2.1 1993	Sulfate	20.7	mg/L	1.0	02/13/22 02:52	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436020	FB-3					
SM 2540C-2015	Total Dissolved Solids	12.0	mg/L	10.0	02/09/22 10:14	
92586436021	GWC-10					
	Performed by	CUSTOME			02/08/22 10:30	
		R				
	pH	6.53	Std. Units		02/08/22 10:30	
EPA 6010D	Potassium	0.51	mg/L	0.20	02/18/22 18:48	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/18/22 18:48	
EPA 6010D	Calcium	21.3	mg/L	1.0	02/18/22 18:48	
EPA 6010D	Magnesium	9.0	mg/L	0.050	02/18/22 18:48	
EPA 6020B	Arsenic	0.0023J	mg/L	0.0050	02/18/22 19:37	B
EPA 6020B	Barium	0.022	mg/L	0.0050	02/18/22 19:37	
EPA 6020B	Beryllium	0.00021J	mg/L	0.00050	02/18/22 19:37	
EPA 6020B	Cobalt	0.0018J	mg/L	0.0050	02/18/22 19:37	
EPA 6020B	Nickel	0.0014J	mg/L	0.0050	02/18/22 19:37	
SM 2540C-2015	Total Dissolved Solids	102	mg/L	10.0	02/11/22 10:44	
SM 2320B	Alkalinity, Total as CaCO3	88.6	mg/L	5.0	02/10/22 20:43	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	88.6	mg/L	5.0	02/10/22 20:43	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	02/14/22 12:50	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	02/14/22 12:50	
92586436022	GWC-10R					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.69	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	0.71	mg/L	0.20	02/18/22 18:53	
EPA 6010D	Sodium	2.0	mg/L	1.0	02/18/22 18:53	
EPA 6010D	Calcium	46.3	mg/L	1.0	02/18/22 18:53	
EPA 6010D	Magnesium	8.9	mg/L	0.050	02/18/22 18:53	
EPA 6020B	Antimony	0.0016J	mg/L	0.0030	02/18/22 20:00	
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/18/22 20:00	B
EPA 6020B	Barium	0.028	mg/L	0.0050	02/18/22 20:00	
SM 2540C-2015	Total Dissolved Solids	156	mg/L	10.0	02/11/22 10:44	
SM 2320B	Alkalinity, Total as CaCO3	144	mg/L	5.0	02/10/22 20:49	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	02/10/22 20:49	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	02/14/22 13:04	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	02/14/22 13:04	
92586436023	GWC-11					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.20	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	0.83	mg/L	0.20	02/18/22 18:58	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/18/22 18:58	
EPA 6010D	Calcium	19.2	mg/L	1.0	02/18/22 18:58	
EPA 6010D	Magnesium	10.2	mg/L	0.050	02/18/22 18:58	
EPA 6020B	Arsenic	0.0023J	mg/L	0.0050	02/18/22 20:06	B
EPA 6020B	Barium	0.010	mg/L	0.0050	02/18/22 20:06	
EPA 6020B	Chromium	0.0071	mg/L	0.0050	02/18/22 20:06	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436023	GWC-11					
SM 2540C-2015	Total Dissolved Solids	120	mg/L	10.0	02/11/22 10:44	
SM 2320B	Alkalinity, Total as CaCO3	99.4	mg/L	5.0	02/10/22 20:56	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	99.4	mg/L	5.0	02/10/22 20:56	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/14/22 18:49	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/14/22 18:49	
92586436024	GWC-11R					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.58	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/18/22 19:03	
EPA 6010D	Sodium	0.96J	mg/L	1.0	02/18/22 19:03	
EPA 6010D	Calcium	34.8	mg/L	1.0	02/18/22 19:03	
EPA 6010D	Magnesium	18.7	mg/L	0.050	02/18/22 19:03	
EPA 6020B	Arsenic	0.0035J	mg/L	0.0050	02/18/22 20:12	B
EPA 6020B	Barium	0.021	mg/L	0.0050	02/18/22 20:12	
EPA 6020B	Chromium	0.0042J	mg/L	0.0050	02/18/22 20:12	
SM 2540C-2015	Total Dissolved Solids	157	mg/L	10.0	02/11/22 10:44	
SM 2320B	Alkalinity, Total as CaCO3	147	mg/L	5.0	02/10/22 21:03	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	147	mg/L	5.0	02/10/22 21:03	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/14/22 19:34	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/14/22 19:34	
92586436025	GWC-13RZ					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.46	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	1.0	mg/L	0.20	02/18/22 19:07	
EPA 6010D	Sodium	24.1	mg/L	1.0	02/18/22 19:07	
EPA 6010D	Calcium	43.9	mg/L	1.0	02/18/22 19:07	
EPA 6010D	Magnesium	18.7	mg/L	0.050	02/18/22 19:07	
EPA 6020B	Arsenic	0.0035J	mg/L	0.0050	02/18/22 20:18	B
EPA 6020B	Barium	0.11	mg/L	0.0050	02/18/22 20:18	
EPA 6020B	Boron	0.017J	mg/L	0.040	02/18/22 20:18	
SM 2540C-2015	Total Dissolved Solids	262	mg/L	10.0	02/11/22 10:44	
SM 2320B	Alkalinity, Total as CaCO3	159	mg/L	5.0	02/10/22 21:11	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	02/10/22 21:11	
EPA 300.0 Rev 2.1 1993	Chloride	6.1	mg/L	1.0	02/14/22 19:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	02/14/22 19:49	
EPA 300.0 Rev 2.1 1993	Sulfate	63.1	mg/L	1.0	02/14/22 19:49	
92586436026	GWC-14Z					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	6.06	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	1.2	mg/L	0.20	02/18/22 19:12	
EPA 6010D	Sodium	3.3	mg/L	1.0	02/18/22 19:12	
EPA 6010D	Calcium	14.3	mg/L	1.0	02/18/22 19:12	
EPA 6010D	Magnesium	6.3	mg/L	0.050	02/18/22 19:12	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436026	GWC-14Z					
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/18/22 20:36	B
EPA 6020B	Barium	0.014	mg/L	0.0050	02/18/22 20:36	
EPA 6020B	Beryllium	0.00011J	mg/L	0.00050	02/18/22 20:36	
SM 2540C-2015	Total Dissolved Solids	92.0	mg/L	10.0	02/11/22 10:45	
SM 2320B	Alkalinity, Total as CaCO3	49.6	mg/L	5.0	02/15/22 16:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	49.6	mg/L	5.0	02/15/22 16:45	
EPA 300.0 Rev 2.1 1993	Chloride	3.6	mg/L	1.0	02/14/22 20:34	
EPA 300.0 Rev 2.1 1993	Sulfate	6.4	mg/L	1.0	02/14/22 20:34	
92586436027	GWC-15R					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.61	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	0.97	mg/L	0.20	02/18/22 19:26	
EPA 6010D	Sodium	1.1	mg/L	1.0	02/18/22 19:26	
EPA 6010D	Calcium	41.7	mg/L	1.0	02/18/22 19:26	
EPA 6010D	Magnesium	20.1	mg/L	0.050	02/18/22 19:26	
EPA 6020B	Arsenic	0.0026J	mg/L	0.0050	02/18/22 20:42	B
EPA 6020B	Barium	0.017	mg/L	0.0050	02/18/22 20:42	
EPA 6020B	Nickel	0.00093J	mg/L	0.0050	02/18/22 20:42	
SM 2540C-2015	Total Dissolved Solids	162	mg/L	10.0	02/11/22 11:39	
SM 2320B	Alkalinity, Total as CaCO3	162	mg/L	5.0	02/15/22 16:49	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	162	mg/L	5.0	02/15/22 16:49	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	02/14/22 21:19	
EPA 300.0 Rev 2.1 1993	Sulfate	8.3	mg/L	1.0	02/14/22 21:19	
92586436028	DUP-3					
EPA 6010D	Potassium	1.0	mg/L	0.20	02/18/22 19:31	
EPA 6010D	Sodium	0.95J	mg/L	1.0	02/18/22 19:31	
EPA 6010D	Calcium	33.7	mg/L	1.0	02/18/22 19:31	
EPA 6010D	Magnesium	17.8	mg/L	0.050	02/18/22 19:31	
EPA 6020B	Antimony	0.00094J	mg/L	0.0030	02/18/22 20:48	
EPA 6020B	Arsenic	0.0035J	mg/L	0.0050	02/18/22 20:48	B
EPA 6020B	Barium	0.020	mg/L	0.0050	02/18/22 20:48	
EPA 6020B	Chromium	0.0041J	mg/L	0.0050	02/18/22 20:48	
SM 2540C-2015	Total Dissolved Solids	162	mg/L	10.0	02/11/22 11:39	
SM 2320B	Alkalinity, Total as CaCO3	148	mg/L	5.0	02/15/22 16:53	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	02/15/22 16:53	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	02/14/22 21:34	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/14/22 21:34	
92586436029	FB-4					
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/18/22 20:54	B
92586436030	GWC-15Z					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.83	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	0.96	mg/L	0.20	02/18/22 19:41	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92586436030	GWC-15Z					
EPA 6010D	Sodium	3.0	mg/L	1.0	02/18/22 19:41	
EPA 6010D	Calcium	26.1	mg/L	1.0	02/18/22 19:41	
EPA 6010D	Magnesium	14.0	mg/L	0.050	02/18/22 19:41	
EPA 6020B	Arsenic	0.0025J	mg/L	0.0050	02/18/22 21:00	B
EPA 6020B	Barium	0.012	mg/L	0.0050	02/18/22 21:00	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	02/18/22 21:00	
SM 2540C-2015	Total Dissolved Solids	121	mg/L	10.0	02/11/22 11:40	
SM 2320B	Alkalinity, Total as CaCO3	123	mg/L	5.0	02/15/22 17:01	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	123	mg/L	5.0	02/15/22 17:01	
EPA 300.0 Rev 2.1 1993	Chloride	0.60J	mg/L	1.0	02/14/22 22:04	
EPA 300.0 Rev 2.1 1993	Sulfate	0.64J	mg/L	1.0	02/14/22 22:04	
92586436031	FB-5					
EPA 6020B	Arsenic	0.0018J	mg/L	0.0050	02/18/22 21:12	B
92586436032	GWC-13					
	Performed by	CUSTOME			02/18/22 13:25	
	pH	7.24	Std. Units		02/18/22 13:25	
EPA 6010D	Potassium	1.9	mg/L	0.20	03/01/22 02:45	
EPA 6010D	Sodium	1.5	mg/L	1.0	03/01/22 02:45	
EPA 6010D	Calcium	29.3	mg/L	1.0	03/01/22 02:45	
EPA 6010D	Magnesium	10.9	mg/L	0.050	03/01/22 02:45	
EPA 6020B	Barium	0.020	mg/L	0.0050	02/25/22 23:19	
EPA 6020B	Beryllium	0.000089J	mg/L	0.00050	02/25/22 23:19	
EPA 6020B	Boron	0.015J	mg/L	0.040	02/25/22 23:19	
EPA 6020B	Chromium	0.0053	mg/L	0.0050	02/25/22 23:19	
SM 2540C-2015	Total Dissolved Solids	119	mg/L	10.0	02/23/22 16:01	
SM 2320B	Alkalinity, Total as CaCO3	109	mg/L	5.0	02/25/22 11:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	109	mg/L	5.0	02/25/22 11:45	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	02/25/22 08:51	
EPA 300.0 Rev 2.1 1993	Sulfate	6.9	mg/L	1.0	02/25/22 08:51	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-1		Lab ID: 92586436001		Collected: 02/01/22 14:50		Received: 02/04/22 11:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:49		
pH	7.52	Std. Units			1		02/07/22 10:49		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 15:52	7440-66-6	
Potassium	1.3	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 15:52	7440-09-7	
Sodium	6.5	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 15:52	7440-23-5	
Calcium	34.1	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 15:52	7440-70-2	
Magnesium	16.4	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 15:52	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0028J	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 14:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:39	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 14:39	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 14:39	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 14:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 14:39	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 14:39	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 14:39	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 14:39	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 14:39	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 14:39	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 14:39	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 14:39	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 14:39	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:09	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	143	mg/L	10.0	10.0	1		02/07/22 17:20		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	161	mg/L	5.0	1.8	1		02/10/22 16:44		
Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	1.8	1		02/10/22 16:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 16:44		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-1 **Lab ID: 92586436001** Collected: 02/01/22 14:50 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		02/12/22 19:54	16887-00-6	M1
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 19:54	16984-48-8	M1
Sulfate	0.93J	mg/L	1.0	0.50	1		02/12/22 19:54	14808-79-8	M1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-2 **Lab ID: 92586436002** Collected: 02/01/22 14:44 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:50		
pH	6.30	Std. Units			1		02/07/22 10:50		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 15:56	7440-66-6	
Potassium	0.88	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 15:56	7440-09-7	
Sodium	1.9	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 15:56	7440-23-5	
Calcium	48.0	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 15:56	7440-70-2	M1
Magnesium	14.0	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 15:56	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 14:45	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:45	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 14:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 14:45	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 14:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 14:45	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 14:45	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 14:45	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 14:45	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 14:45	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 14:45	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 14:45	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 14:45	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 14:45	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:11	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	202	mg/L	10.0	10.0	1		02/07/22 17:21		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	80.9	mg/L	5.0	1.8	1		02/10/22 17:00		
Alkalinity,Bicarbonate (CaCO3)	80.9	mg/L	5.0	1.8	1		02/10/22 17:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 17:00		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-2 **Lab ID: 92586436002** Collected: 02/01/22 14:44 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		02/12/22 21:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 21:04	16984-48-8	
Sulfate	86.1	mg/L	1.0	0.50	1		02/12/22 21:04	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-2R		Lab ID: 92586436003		Collected: 02/01/22 15:45	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:50		
pH	6.62	Std. Units			1		02/07/22 10:50		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:16	7440-66-6	
Potassium	0.67	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:16	7440-09-7	
Sodium	1.1	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:16	7440-23-5	
Calcium	34.1	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:16	7440-70-2	
Magnesium	11.1	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:16	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0029J	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 14:51	7440-36-0	
Arsenic	0.0053	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:51	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 14:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 14:51	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 14:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 14:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:51	7440-47-3	
Cobalt	0.00093J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 14:51	7440-48-4	
Copper	0.00096J	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 14:51	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 14:51	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 14:51	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 14:51	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 14:51	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 14:51	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 14:51	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:19	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	114	mg/L	10.0	10.0	1		02/07/22 17:21		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	122	mg/L	5.0	1.8	1		02/10/22 17:06		
Alkalinity,Bicarbonate (CaCO3)	122	mg/L	5.0	1.8	1		02/10/22 17:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 17:06		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-2R **Lab ID: 92586436003** Collected: 02/01/22 15:45 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.77J	mg/L	1.0	0.60	1		02/12/22 21:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 21:18	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/12/22 21:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: GWA-50		Lab ID: 92586436004		Collected: 02/01/22 15:40		Received: 02/04/22 11:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:50		
pH	5.61	Std. Units			1		02/07/22 10:50		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:20	7440-66-6	
Potassium	0.25	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:20	7440-09-7	
Sodium	1.7	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:20	7440-23-5	
Calcium	1.5	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:20	7440-70-2	
Magnesium	0.31	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:20	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0015J	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 15:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:15	7440-38-2	
Barium	0.0065	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 15:15	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 15:15	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 15:15	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 15:15	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 15:15	7440-48-4	
Copper	0.0017J	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 15:15	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 15:15	7439-92-1	
Nickel	0.00080J	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 15:15	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 15:15	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 15:15	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 15:15	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 15:15	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:22	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	21.0	mg/L	10.0	10.0	1		02/07/22 17:21		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	4.7J	mg/L	5.0	1.8	1		02/10/22 19:19		
Alkalinity,Bicarbonate (CaCO3)	4.7J	mg/L	5.0	1.8	1		02/10/22 19:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 19:19		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-50 **Lab ID: 92586436004** Collected: 02/01/22 15:40 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.91J	mg/L	1.0	0.60	1		02/12/22 21:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 21:32	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/12/22 21:32	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: DUP-1		Lab ID: 92586436005		Collected: 02/01/22 00:00	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:25	7440-66-6	
Potassium	0.71	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:25	7440-09-7	
Sodium	1.1	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:25	7440-23-5	
Calcium	33.8	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:25	7440-70-2	
Magnesium	11.0	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:25	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	0.0033	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 15:21	7440-36-0	
Arsenic	0.0037J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:21	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 15:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 15:21	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 15:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 15:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:21	7440-47-3	
Cobalt	0.00090J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 15:21	7440-48-4	
Copper	0.00078J	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 15:21	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 15:21	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 15:21	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 15:21	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 15:21	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 15:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 15:21	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:25	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	118	mg/L	10.0	10.0	1		02/07/22 17:21		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	120	mg/L	5.0	1.8	1		02/10/22 17:15		
Alkalinity,Bicarbonate (CaCO3)	120	mg/L	5.0	1.8	1		02/10/22 17:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 17:15		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	0.77J	mg/L	1.0	0.60	1		02/12/22 21:46	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 21:46	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/12/22 21:46	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: FB-1		Lab ID: 92586436006		Collected: 02/01/22 16:00	Received: 02/04/22 11:45	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:39	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:39	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:39	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:39	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:39	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 15:44	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:44	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 15:44	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 15:44	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 15:44	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 15:44	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:44	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 15:44	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 15:44	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 15:44	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 15:44	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 15:44	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 15:44	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 15:44	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 15:44	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:27	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/07/22 17:21			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/10/22 17:21			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 17:21			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 17:21			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/12/22 22:00	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 22:00	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/12/22 22:00	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-3A **Lab ID: 92586436007** Collected: 02/02/22 12:08 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:50		
pH	7.94	Std. Units			1		02/07/22 10:50		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:44	7440-66-6	
Potassium	1.2	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:44	7440-09-7	
Sodium	3.5	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:44	7440-23-5	
Calcium	22.6	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:44	7440-70-2	
Magnesium	11.3	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:44	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 15:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:50	7440-38-2	
Barium	0.0064	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 15:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 15:50	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 15:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 15:50	7440-43-9	
Chromium	0.0069	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 15:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 15:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 15:50	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 15:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 15:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 15:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 15:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 15:50	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:30	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	104	mg/L	10.0	10.0	1		02/08/22 11:13		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	97.5	mg/L	5.0	1.8	1		02/10/22 20:33		
Alkalinity,Bicarbonate (CaCO3)	97.5	mg/L	5.0	1.8	1		02/10/22 20:33		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:33		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-3A **Lab ID: 92586436007** Collected: 02/02/22 12:08 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		02/12/22 22:14	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 22:14	16984-48-8	
Sulfate	3.4	mg/L	1.0	0.50	1		02/12/22 22:14	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-5 **Lab ID: 92586436008** Collected: 02/02/22 11:34 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:50		
pH	5.90	Std. Units			1		02/07/22 10:50		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.034	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:49	7440-66-6	
Potassium	1.8	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:49	7440-09-7	
Sodium	1.7	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:49	7440-23-5	
Calcium	3.7	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:49	7440-70-2	
Magnesium	0.27	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:49	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 15:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:56	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 15:56	7440-39-3	
Beryllium	0.00075	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 15:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 15:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 15:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 15:56	7440-48-4	
Copper	0.024	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 15:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 15:56	7439-92-1	
Nickel	0.0088	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 15:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 15:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 15:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 15:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 15:56	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:32	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	32.0	mg/L	10.0	10.0	1		02/08/22 11:13		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	11.9	mg/L	5.0	1.8	1		02/10/22 21:53		
Alkalinity,Bicarbonate (CaCO3)	11.9	mg/L	5.0	1.8	1		02/10/22 21:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:53		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-5 **Lab ID: 92586436008** Collected: 02/02/22 11:34 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.66J	mg/L	1.0	0.60	1		02/12/22 22:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 22:27	16984-48-8	
Sulfate	1.0	mg/L	1.0	0.50	1		02/12/22 22:27	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-6		Lab ID: 92586436009		Collected: 02/02/22 15:22		Received: 02/04/22 11:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:51		
pH	7.40	Std. Units			1		02/07/22 10:51		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:54	7440-66-6	
Potassium	1.1	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:54	7440-09-7	
Sodium	1.0	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:54	7440-23-5	
Calcium	15.5	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:54	7440-70-2	
Magnesium	7.6	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:54	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:02	7440-38-2	
Barium	0.0064	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:02	7440-43-9	
Chromium	0.0026J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:02	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:02	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:35	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	73.0	mg/L	10.0	10.0	1		02/08/22 11:13		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	63.7	mg/L	5.0	1.8	1		02/10/22 20:40		
Alkalinity,Bicarbonate (CaCO3)	63.7	mg/L	5.0	1.8	1		02/10/22 20:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:40		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-6 **Lab ID: 92586436009** Collected: 02/02/22 15:22 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/12/22 22:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 22:41	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/12/22 22:41	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-6RZ		Lab ID: 92586436010		Collected: 02/02/22 14:00		Received: 02/04/22 11:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:51		
pH	6.80	Std. Units			1		02/07/22 10:51		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:58	7440-66-6	
Potassium	0.79	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:58	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:58	7440-23-5	
Calcium	10.5	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:58	7440-70-2	
Magnesium	5.4	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:58	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:08	7440-36-0	
Arsenic	0.0012J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:08	7440-38-2	
Barium	0.0066	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:08	7440-39-3	
Beryllium	0.000070J	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:08	7440-43-9	
Chromium	0.0024J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:08	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:38	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	51.0	mg/L	10.0	10.0	1		02/08/22 11:13		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	43.6	mg/L	5.0	1.8	1		02/10/22 20:44		
Alkalinity,Bicarbonate (CaCO3)	43.6	mg/L	5.0	1.8	1		02/10/22 20:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:44		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-6RZ **Lab ID: 92586436010** Collected: 02/02/22 14:00 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		02/12/22 22:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 22:55	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/12/22 22:55	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: GWC-7Z		Lab ID: 92586436011		Collected: 02/02/22 12:15	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:51		
pH	7.54	Std. Units			1		02/07/22 10:51		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:03	7440-66-6	
Potassium	0.97	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:03	7440-09-7	
Sodium	2.7	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:03	7440-23-5	
Calcium	26.9	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:03	7440-70-2	
Magnesium	13.4	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:03	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00093J	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:14	7440-36-0	
Arsenic	0.0020J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:14	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:14	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:14	7440-47-3	
Cobalt	0.00042J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:14	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:14	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:14	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:14	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:14	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:14	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	115	mg/L	10.0	10.0	1		02/08/22 11:14		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	123	mg/L	5.0	1.8	1		02/10/22 20:48		
Alkalinity,Bicarbonate (CaCO3)	123	mg/L	5.0	1.8	1		02/10/22 20:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:48		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-7Z **Lab ID: 92586436011** Collected: 02/02/22 12:15 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.76J	mg/L	1.0	0.60	1		02/13/22 00:05	16887-00-6	M1
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 00:05	16984-48-8	M1
Sulfate	1.3	mg/L	1.0	0.50	1		02/13/22 00:05	14808-79-8	M1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: GWC-8Z **Lab ID: 92586436012** Collected: 02/02/22 14:24 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:51		
pH	8.92	Std. Units			1		02/07/22 10:51		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:08	7440-66-6	
Potassium	1.8	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:08	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:08	7440-23-5	
Calcium	20.8	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:08	7440-70-2	
Magnesium	7.0	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:08	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:20	7440-36-0	
Arsenic	0.0011J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:20	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:20	7440-39-3	
Beryllium	0.000064J	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:20	7440-43-9	
Chromium	0.0021J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:20	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:20	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:20	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:20	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:48	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	85.0	mg/L	10.0	10.0	1		02/08/22 11:14		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	76.7	mg/L	5.0	1.8	1		02/10/22 20:52		
Alkalinity,Bicarbonate (CaCO3)	76.7	mg/L	5.0	1.8	1		02/10/22 20:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:52		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-8Z **Lab ID: 92586436012** Collected: 02/02/22 14:24 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		02/13/22 00:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 00:47	16984-48-8	
Sulfate	0.72J	mg/L	1.0	0.50	1		02/13/22 00:47	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: GWC-8RR		Lab ID: 92586436013		Collected: 02/02/22 16:16		Received: 02/04/22 11:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:51		
pH	8.13	Std. Units			1		02/07/22 10:51		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:13	7440-66-6	
Potassium	1.3	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:13	7440-09-7	
Sodium	0.81J	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:13	7440-23-5	
Calcium	23.9	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:13	7440-70-2	
Magnesium	11.0	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:13	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0015J	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:26	7440-36-0	
Arsenic	0.0013J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:26	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:26	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:26	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:26	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:26	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:26	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:26	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:26	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:26	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:51	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	102	mg/L	10.0	10.0	1		02/08/22 11:14		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	102	mg/L	5.0	1.8	1		02/10/22 21:12		
Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	1.8	1		02/10/22 21:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:12		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-8RR **Lab ID: 92586436013** Collected: 02/02/22 16:16 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.77J	mg/L	1.0	0.60	1		02/13/22 01:01	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 01:01	16984-48-8	
Sulfate	0.72J	mg/L	1.0	0.50	1		02/13/22 01:01	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: GWC-9		Lab ID: 92586436014		Collected: 02/02/22 15:02	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:51		
pH	4.81	Std. Units			1		02/07/22 10:51		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:17	7440-66-6	
Potassium	0.92	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:17	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:17	7440-23-5	
Calcium	2.2	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:17	7440-70-2	
Magnesium	1.2	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:17	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:32	7440-36-0	
Arsenic	0.0013J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:32	7440-38-2	
Barium	0.044	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:32	7440-39-3	
Beryllium	0.00018J	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:32	7440-47-3	
Cobalt	0.00043J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:32	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:32	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:32	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:32	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:32	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:32	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:53	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	21.0	mg/L	10.0	10.0	1		02/08/22 11:14		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	2.5J	mg/L	5.0	1.8	1		02/10/22 21:57		
Alkalinity,Bicarbonate (CaCO3)	2.5J	mg/L	5.0	1.8	1		02/10/22 21:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:57		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-9 **Lab ID: 92586436014** Collected: 02/02/22 15:02 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.1	mg/L	1.0	0.60	1		02/13/22 01:15	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 01:15	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/13/22 01:15	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: GWC-12		Lab ID: 92586436015		Collected: 02/02/22 15:55	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:52		
pH	6.35	Std. Units			1		02/07/22 10:52		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.019J	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:22	7440-66-6	
Potassium	1.1	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:22	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:22	7440-23-5	
Calcium	8.4	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:22	7440-70-2	
Magnesium	4.4	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:22	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:38	7440-36-0	
Arsenic	0.0027J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:38	7440-38-2	
Barium	0.023	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:38	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:38	7440-42-8	
Cadmium	0.0012	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:38	7440-47-3	
Cobalt	0.0034J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:38	7439-92-1	
Nickel	0.0025J	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:38	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:38	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	54.0	mg/L	10.0	10.0	1		02/08/22 11:14		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	55.9	mg/L	5.0	1.8	1		02/10/22 21:19		
Alkalinity,Bicarbonate (CaCO3)	55.9	mg/L	5.0	1.8	1		02/10/22 21:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:19		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-12 **Lab ID: 92586436015** Collected: 02/02/22 15:55 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.79J	mg/L	1.0	0.60	1		02/13/22 01:28	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 01:28	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/13/22 01:28	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: GWA-50R		Lab ID: 92586436016		Collected: 02/02/22 10:12		Received: 02/04/22 11:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:52		
pH	5.17	Std. Units			1		02/07/22 10:52		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:36	7440-66-6	
Potassium	0.20	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:36	7440-09-7	
Sodium	0.94J	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:36	7440-23-5	
Calcium	0.93J	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:36	7440-70-2	
Magnesium	0.34	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:36	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 17:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:13	7440-38-2	
Barium	0.0090	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 17:13	7440-39-3	
Beryllium	0.000055J	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 17:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 17:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 17:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 17:13	7440-48-4	
Copper	0.0033J	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 17:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 17:13	7439-92-1	
Nickel	0.00089J	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 17:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 17:13	7782-49-2	
Silver	0.0012J	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 17:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 17:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 17:13	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:59	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	15.0	mg/L	10.0	10.0	1		02/08/22 11:15		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	2.9J	mg/L	5.0	1.8	1		02/10/22 22:00		
Alkalinity,Bicarbonate (CaCO3)	2.9J	mg/L	5.0	1.8	1		02/10/22 22:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 22:00		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-50R **Lab ID: 92586436016** Collected: 02/02/22 10:12 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.70J	mg/L	1.0	0.60	1		02/13/22 01:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 01:42	16984-48-8	
Sulfate	0.53J	mg/L	1.0	0.50	1		02/13/22 01:42	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: DUP-2		Lab ID: 92586436017		Collected: 02/02/22 00:00	Received: 02/04/22 11:45	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:41	7440-66-6		
Potassium	0.97	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:41	7440-09-7		
Sodium	1.2	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:41	7440-23-5		
Calcium	2.3	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:41	7440-70-2		
Magnesium	1.2	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:41	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 17:19	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:19	7440-38-2		
Barium	0.045	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 17:19	7440-39-3		
Beryllium	0.00018J	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 17:19	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 17:19	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 17:19	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:19	7440-47-3		
Cobalt	0.00042J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 17:19	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 17:19	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 17:19	7439-92-1		
Nickel	0.0011J	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 17:19	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 17:19	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 17:19	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 17:19	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 17:19	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:01	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	27.0	mg/L	10.0	10.0	1		02/08/22 11:15			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	2.6J	mg/L	5.0	1.8	1		02/10/22 22:03			
Alkalinity,Bicarbonate (CaCO3)	2.6J	mg/L	5.0	1.8	1		02/10/22 22:03			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 22:03			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.1	mg/L	1.0	0.60	1		02/13/22 01:56	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 01:56	16984-48-8		
Sulfate	2.5	mg/L	1.0	0.50	1		02/13/22 01:56	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: FB-2		Lab ID: 92586436018		Collected: 02/02/22 16:14	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:46	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:46	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:46	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:46	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:46	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 17:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:25	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 17:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 17:25	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 17:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 17:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 17:25	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 17:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 17:25	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 17:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 17:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 17:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 17:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 17:25	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:46	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/08/22 11:15		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/10/22 21:29		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:29		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		02/13/22 02:38	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 02:38	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/13/22 02:38	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: GWA-4RZ		Lab ID: 92586436019		Collected: 02/03/22 10:55		Received: 02/04/22 11:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:52		
pH	7.20	Std. Units			1		02/07/22 10:52		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 18:15	7440-66-6	
Potassium	0.88	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 18:15	7440-09-7	
Sodium	3.8	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 18:15	7440-23-5	
Calcium	57.7	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 18:15	7440-70-2	M1
Magnesium	24.6	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 18:15	7439-95-4	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 17:31	7440-36-0	
Arsenic	0.0034J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:31	7440-38-2	
Barium	0.063	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 17:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 17:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 17:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 17:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:31	7440-47-3	
Cobalt	0.0059	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 17:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 17:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 17:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 17:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 17:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 17:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 17:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 17:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:49	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	243	mg/L	10.0	10.0	1		02/09/22 10:14		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	221	mg/L	5.0	1.8	1		02/15/22 17:21		
Alkalinity,Bicarbonate (CaCO3)	221	mg/L	5.0	1.8	1		02/15/22 17:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:21		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-4RZ **Lab ID: 92586436019** Collected: 02/03/22 10:55 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		02/13/22 02:52	16887-00-6	
Fluoride	0.15	mg/L	0.10	0.050	1		02/13/22 02:52	16984-48-8	
Sulfate	20.7	mg/L	1.0	0.50	1		02/13/22 02:52	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: FB-3		Lab ID: 92586436020		Collected: 02/03/22 12:00	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 18:44	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 18:44	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 18:44	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 18:44	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 18:44	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 17:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:43	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 17:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 17:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 17:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 17:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 17:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 17:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 17:43	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 17:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 17:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 17:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 17:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 17:43	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:51	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	12.0	mg/L	10.0	10.0	1		02/09/22 10:14		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/15/22 17:26		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:26		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		02/13/22 03:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 03:06	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/13/22 03:06	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-10** Lab ID: **92586436021** Collected: 02/04/22 11:15 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:30		
pH	6.53	Std. Units			1		02/08/22 10:30		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 18:48	7440-66-6	
Potassium	0.51	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 18:48	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 18:48	7440-23-5	
Calcium	21.3	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 18:48	7440-70-2	
Magnesium	9.0	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 18:48	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 19:37	7440-36-0	
Arsenic	0.0023J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 19:37	7440-38-2	B
Barium	0.022	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 19:37	7440-39-3	
Beryllium	0.00021J	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 19:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 19:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 19:37	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 19:37	7440-47-3	
Cobalt	0.0018J	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 19:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 19:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 19:37	7439-92-1	
Nickel	0.0014J	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 19:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 19:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 19:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 19:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 19:37	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:54	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	102	mg/L	10.0	10.0	1		02/11/22 10:44		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	88.6	mg/L	5.0	1.8	1		02/10/22 20:43		
Alkalinity,Bicarbonate (CaCO3)	88.6	mg/L	5.0	1.8	1		02/10/22 20:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:43		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-10 **Lab ID: 92586436021** Collected: 02/04/22 11:15 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		02/14/22 12:50	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 12:50	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		02/14/22 12:50	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-10R		Lab ID: 92586436022		Collected: 02/04/22 12:40		Received: 02/08/22 08:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.69	Std. Units			1		02/08/22 10:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 18:53	7440-66-6	
Potassium	0.71	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 18:53	7440-09-7	
Sodium	2.0	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 18:53	7440-23-5	
Calcium	46.3	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 18:53	7440-70-2	
Magnesium	8.9	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 18:53	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0016J	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:00	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:00	7440-38-2	B
Barium	0.028	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:00	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:00	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	156	mg/L	10.0	10.0	1		02/11/22 10:44		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	144	mg/L	5.0	1.8	1		02/10/22 20:49		
Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	1.8	1		02/10/22 20:49		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:49		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-10R **Lab ID: 92586436022** Collected: 02/04/22 12:40 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.2	mg/L	1.0	0.60	1		02/14/22 13:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 13:04	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		02/14/22 13:04	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-11** Lab ID: **92586436023** Collected: 02/04/22 12:33 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.20	Std. Units			1		02/08/22 10:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 18:58	7440-66-6	
Potassium	0.83	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 18:58	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 18:58	7440-23-5	
Calcium	19.2	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 18:58	7440-70-2	
Magnesium	10.2	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 18:58	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:06	7440-36-0	
Arsenic	0.0023J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:06	7440-38-2	B
Barium	0.010	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:06	7440-43-9	
Chromium	0.0071	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:06	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:06	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:06	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:59	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	120	mg/L	10.0	10.0	1		02/11/22 10:44		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	99.4	mg/L	5.0	1.8	1		02/10/22 20:56		
Alkalinity,Bicarbonate (CaCO3)	99.4	mg/L	5.0	1.8	1		02/10/22 20:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:56		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-11 **Lab ID: 92586436023** Collected: 02/04/22 12:33 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/14/22 18:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 18:49	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/14/22 18:49	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-11R		Lab ID: 92586436024		Collected: 02/04/22 10:45		Received: 02/08/22 08:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.58	Std. Units			1		02/08/22 10:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:03	7440-66-6	
Potassium	1.1	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:03	7440-09-7	
Sodium	0.96J	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:03	7440-23-5	
Calcium	34.8	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:03	7440-70-2	
Magnesium	18.7	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:03	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:12	7440-36-0	
Arsenic	0.0035J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:12	7440-38-2	B
Barium	0.021	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:12	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:12	7440-43-9	
Chromium	0.0042J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:12	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:12	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:12	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:12	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:12	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:12	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:12	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:12	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:02	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	157	mg/L	10.0	10.0	1		02/11/22 10:44		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	147	mg/L	5.0	1.8	1		02/10/22 21:03		
Alkalinity,Bicarbonate (CaCO3)	147	mg/L	5.0	1.8	1		02/10/22 21:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:03		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-11R **Lab ID: 92586436024** Collected: 02/04/22 10:45 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		02/14/22 19:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 19:34	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/14/22 19:34	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-13RZ		Lab ID: 92586436025		Collected: 02/04/22 09:44		Received: 02/08/22 08:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.46	Std. Units			1		02/08/22 10:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:07	7440-66-6	
Potassium	1.0	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:07	7440-09-7	
Sodium	24.1	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:07	7440-23-5	
Calcium	43.9	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:07	7440-70-2	
Magnesium	18.7	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:07	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:18	7440-36-0	
Arsenic	0.0035J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:18	7440-38-2	B
Barium	0.11	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:18	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:18	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:18	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:18	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:18	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:04	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	262	mg/L	10.0	10.0	1		02/11/22 10:44		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	159	mg/L	5.0	1.8	1		02/10/22 21:11		
Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	1.8	1		02/10/22 21:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-13RZ **Lab ID: 92586436025** Collected: 02/04/22 09:44 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	6.1	mg/L	1.0	0.60	1		02/14/22 19:49	16887-00-6	
Fluoride	0.13	mg/L	0.10	0.050	1		02/14/22 19:49	16984-48-8	
Sulfate	63.1	mg/L	1.0	0.50	1		02/14/22 19:49	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-14Z		Lab ID: 92586436026		Collected: 02/04/22 11:30		Received: 02/08/22 08:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:31		
pH	6.06	Std. Units			1		02/08/22 10:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:12	7440-66-6	
Potassium	1.2	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:12	7440-09-7	
Sodium	3.3	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:12	7440-23-5	
Calcium	14.3	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:12	7440-70-2	
Magnesium	6.3	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:12	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:36	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:36	7440-38-2	B
Barium	0.014	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:36	7440-39-3	
Beryllium	0.00011J	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:36	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:36	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:36	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:36	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:36	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	92.0	mg/L	10.0	10.0	1		02/11/22 10:45		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	49.6	mg/L	5.0	1.8	1		02/15/22 16:45		
Alkalinity,Bicarbonate (CaCO3)	49.6	mg/L	5.0	1.8	1		02/15/22 16:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 16:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-14Z **Lab ID: 92586436026** Collected: 02/04/22 11:30 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.6	mg/L	1.0	0.60	1		02/14/22 20:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 20:34	16984-48-8	
Sulfate	6.4	mg/L	1.0	0.50	1		02/14/22 20:34	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-15R		Lab ID: 92586436027		Collected: 02/04/22 13:14		Received: 02/08/22 08:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.61	Std. Units			1		02/08/22 10:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:26	7440-66-6	
Potassium	0.97	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:26	7440-09-7	
Sodium	1.1	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:26	7440-23-5	
Calcium	41.7	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:26	7440-70-2	
Magnesium	20.1	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:26	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:42	7440-36-0	
Arsenic	0.0026J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:42	7440-38-2	B
Barium	0.017	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:42	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:42	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:42	7439-92-1	
Nickel	0.00093J	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:42	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:15	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	162	mg/L	10.0	10.0	1		02/11/22 11:39		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	162	mg/L	5.0	1.8	1		02/15/22 16:49		
Alkalinity,Bicarbonate (CaCO3)	162	mg/L	5.0	1.8	1		02/15/22 16:49		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 16:49		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-15R **Lab ID: 92586436027** Collected: 02/04/22 13:14 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		02/14/22 21:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 21:19	16984-48-8	
Sulfate	8.3	mg/L	1.0	0.50	1		02/14/22 21:19	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: DUP-3		Lab ID: 92586436028		Collected: 02/04/22 00:00	Received: 02/08/22 08:10	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:31	7440-66-6	
Potassium	1.0	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:31	7440-09-7	
Sodium	0.95J	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:31	7440-23-5	
Calcium	33.7	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:31	7440-70-2	
Magnesium	17.8	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:31	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	0.00094J	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:48	7440-36-0	
Arsenic	0.0035J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:48	7440-38-2	B
Barium	0.020	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:48	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:48	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:48	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:48	7440-43-9	
Chromium	0.0041J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:48	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:48	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:48	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:48	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:48	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:48	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:48	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:48	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:48	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:17	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	162	mg/L	10.0	10.0	1		02/11/22 11:39		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	148	mg/L	5.0	1.8	1		02/15/22 16:53		
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	1.8	1		02/15/22 16:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 16:53		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	1.3	mg/L	1.0	0.60	1		02/14/22 21:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 21:34	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/14/22 21:34	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: FB-4		Lab ID: 92586436029		Collected: 02/04/22 13:15	Received: 02/08/22 08:10	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:36	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:36	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:36	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:36	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:36	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:54	7440-36-0		
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:54	7440-38-2	B	
Barium	ND	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:54	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:54	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:54	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:54	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:54	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:54	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:54	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:54	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:54	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:54	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:54	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:54	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:54	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:20	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/11/22 11:40			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/15/22 16:58			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 16:58			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 16:58			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/14/22 21:49	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 21:49	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/14/22 21:49	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-15Z		Lab ID: 92586436030		Collected: 02/07/22 10:13		Received: 02/08/22 08:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.83	Std. Units			1		02/08/22 10:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:41	7440-66-6	
Potassium	0.96	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:41	7440-09-7	
Sodium	3.0	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:41	7440-23-5	
Calcium	26.1	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:41	7440-70-2	
Magnesium	14.0	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:41	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 21:00	7440-36-0	
Arsenic	0.0025J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 21:00	7440-38-2	B
Barium	0.012	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 21:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 21:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 21:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 21:00	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 21:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 21:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 21:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 21:00	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 21:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 21:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 21:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 21:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 21:00	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:23	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	121	mg/L	10.0	10.0	1		02/11/22 11:40		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	123	mg/L	5.0	1.8	1		02/15/22 17:01		
Alkalinity,Bicarbonate (CaCO3)	123	mg/L	5.0	1.8	1		02/15/22 17:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:01		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-15Z **Lab ID: 92586436030** Collected: 02/07/22 10:13 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.60J	mg/L	1.0	0.60	1		02/14/22 22:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 22:04	16984-48-8	
Sulfate	0.64J	mg/L	1.0	0.50	1		02/14/22 22:04	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: FB-5		Lab ID: 92586436031		Collected: 02/07/22 11:30	Received: 02/08/22 08:10	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:46	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:46	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:46	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:46	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:46	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 21:12	7440-36-0		
Arsenic	0.0018J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 21:12	7440-38-2	B	
Barium	ND	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 21:12	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 21:12	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 21:12	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 21:12	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 21:12	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 21:12	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 21:12	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 21:12	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 21:12	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 21:12	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 21:12	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 21:12	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 21:12	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/16/22 08:30	02/16/22 13:31	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/11/22 11:40			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/15/22 17:05			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:05			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:05			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/14/22 22:19	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 22:19	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/14/22 22:19	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: GWC-13 **Lab ID: 92586436032** Collected: 02/17/22 13:06 Received: 02/18/22 09:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/18/22 13:25		
pH	7.24	Std. Units			1		02/18/22 13:25		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/25/22 10:43	03/01/22 02:45	7440-66-6	
Potassium	1.9	mg/L	0.20	0.15	1	02/25/22 10:43	03/01/22 02:45	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/25/22 10:43	03/01/22 02:45	7440-23-5	
Calcium	29.3	mg/L	1.0	0.12	1	02/25/22 10:43	03/01/22 02:45	7440-70-2	
Magnesium	10.9	mg/L	0.050	0.012	1	02/25/22 10:43	03/01/22 02:45	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/25/22 10:38	02/25/22 23:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/25/22 10:38	02/25/22 23:19	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	02/25/22 10:38	02/25/22 23:19	7440-39-3	
Beryllium	0.000089J	mg/L	0.00050	0.000054	1	02/25/22 10:38	02/25/22 23:19	7440-41-7	
Boron	0.015J	mg/L	0.040	0.0086	1	02/25/22 10:38	02/25/22 23:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/25/22 10:38	02/25/22 23:19	7440-43-9	
Chromium	0.0053	mg/L	0.0050	0.0011	1	02/25/22 10:38	02/25/22 23:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/25/22 10:38	02/25/22 23:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/25/22 10:38	02/25/22 23:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/25/22 10:38	02/25/22 23:19	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/25/22 10:38	02/25/22 23:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/25/22 10:38	02/25/22 23:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/25/22 10:38	02/25/22 23:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/25/22 10:38	02/25/22 23:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/25/22 10:38	02/25/22 23:19	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/28/22 10:30	02/28/22 15:09	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	119	mg/L	10.0	10.0	1		02/23/22 16:01		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	109	mg/L	5.0	1.8	1		02/25/22 11:45		
Alkalinity,Bicarbonate (CaCO3)	109	mg/L	5.0	1.8	1		02/25/22 11:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/25/22 11:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-13 **Lab ID: 92586436032** Collected: 02/17/22 13:06 Received: 02/18/22 09:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		02/25/22 08:51	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/22 08:51	16984-48-8	
Sulfate	6.9	mg/L	1.0	0.50	1		02/25/22 08:51	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Sample: FB-6 **Lab ID: 92586436033** Collected: 02/17/22 13:40 Received: 02/18/22 09:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/25/22 10:43	03/01/22 02:55	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/25/22 10:43	03/01/22 02:55	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/25/22 10:43	03/01/22 02:55	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/25/22 10:43	03/01/22 02:55	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/25/22 10:43	03/01/22 02:55	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/25/22 10:38	02/25/22 23:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/25/22 10:38	02/25/22 23:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/25/22 10:38	02/25/22 23:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/25/22 10:38	02/25/22 23:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/25/22 10:38	02/25/22 23:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/25/22 10:38	02/25/22 23:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/25/22 10:38	02/25/22 23:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/25/22 10:38	02/25/22 23:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/25/22 10:38	02/25/22 23:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/25/22 10:38	02/25/22 23:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/25/22 10:38	02/25/22 23:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/25/22 10:38	02/25/22 23:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/25/22 10:38	02/25/22 23:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/25/22 10:38	02/25/22 23:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/25/22 10:38	02/25/22 23:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/28/22 10:30	02/28/22 15:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/23/22 16:01		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/25/22 11:48		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/25/22 11:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/25/22 11:48		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/25/22 09:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/22 09:07	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/25/22 09:07	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 679147 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

METHOD BLANK: 3553757 Matrix: Water
Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/18/22 15:42	
Magnesium	mg/L	ND	0.050	0.012	02/18/22 15:42	
Potassium	mg/L	ND	0.20	0.15	02/18/22 15:42	
Sodium	mg/L	ND	1.0	0.58	02/18/22 15:42	
Zinc	mg/L	ND	0.020	0.0085	02/18/22 15:42	

LABORATORY CONTROL SAMPLE: 3553758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	108	80-120	
Magnesium	mg/L	1	1.1	107	80-120	
Potassium	mg/L	1	1.1	106	80-120	
Sodium	mg/L	1	1.1	110	80-120	
Zinc	mg/L	1	1.1	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3553759 3553760

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result	% Rec	% Rec						
Calcium	mg/L	48.0	1	1	49.4	48.9	137	89	75-125	1	20	M1	
Magnesium	mg/L	14.0	1	1	15.2	14.8	124	80	75-125	3	20		
Potassium	mg/L	0.88	1	1	2.0	2.0	109	113	75-125	2	20		
Sodium	mg/L	1.9	1	1	3.0	3.0	112	112	75-125	0	20		
Zinc	mg/L	ND	1	1	1.1	1.1	107	109	75-125	2	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch:	679167	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436019, 92586436020, 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

METHOD BLANK: 3553950 Matrix: Water
Associated Lab Samples: 92586436019, 92586436020, 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/18/22 18:05	
Magnesium	mg/L	ND	0.050	0.012	02/18/22 18:05	
Potassium	mg/L	ND	0.20	0.15	02/18/22 18:05	
Sodium	mg/L	ND	1.0	0.58	02/18/22 18:05	
Zinc	mg/L	ND	0.020	0.0085	02/18/22 18:05	

LABORATORY CONTROL SAMPLE: 3553951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	110	80-120	
Magnesium	mg/L	1	1.1	108	80-120	
Potassium	mg/L	1	1.1	111	80-120	
Sodium	mg/L	1	1.1	111	80-120	
Zinc	mg/L	1	1.1	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3553952 3553953

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92586436019 Result	Spike Conc.	Spike Conc.	MS Result						
Calcium	mg/L	57.7	1	1	59.5	60.5	179	272	75-125	2	20 M1
Magnesium	mg/L	24.6	1	1	25.7	26.4	117	185	75-125	3	20 M1
Potassium	mg/L	0.88	1	1	2.0	2.0	114	112	75-125	1	20
Sodium	mg/L	3.8	1	1	5.0	5.1	115	122	75-125	2	20
Zinc	mg/L	ND	1	1	1.1	1.1	108	107	75-125	1	20

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 680899

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 3562225

Matrix: Water

Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/01/22 00:25	
Magnesium	mg/L	ND	0.050	0.012	03/01/22 00:25	
Potassium	mg/L	ND	0.20	0.15	03/02/22 14:55	
Sodium	mg/L	ND	1.0	0.58	03/01/22 00:25	
Zinc	mg/L	ND	0.020	0.0085	03/01/22 00:25	

LABORATORY CONTROL SAMPLE: 3562226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	102	80-120	
Magnesium	mg/L	1	1.0	104	80-120	
Potassium	mg/L	1	1.0	100	80-120	
Sodium	mg/L	1	0.99J	99	80-120	
Zinc	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562227 3562228

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
Calcium	mg/L	1	167	1	164	-228	-156	75-125	0	20	M1
Magnesium	mg/L	1	31.8	1	31.7	-10	-34	75-125	1	20	M1
Potassium	mg/L	1	1.5	1	2.5	97	78	75-125	8	20	
Sodium	mg/L	1	56.6	1	55.8	-88	-93	75-125	0	20	M1
Zinc	mg/L	1	ND	1	1.0	105	105	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	679148	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018, 92586436019, 92586436020		

METHOD BLANK: 3553776 Matrix: Water
Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018, 92586436019, 92586436020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/18/22 14:27	
Arsenic	mg/L	ND	0.0050	0.0011	02/18/22 14:27	
Barium	mg/L	ND	0.0050	0.00067	02/18/22 14:27	
Beryllium	mg/L	ND	0.00050	0.000054	02/18/22 14:27	
Boron	mg/L	ND	0.040	0.0086	02/18/22 14:27	
Cadmium	mg/L	ND	0.00050	0.00011	02/18/22 14:27	
Chromium	mg/L	ND	0.0050	0.0011	02/18/22 14:27	
Cobalt	mg/L	ND	0.0050	0.00039	02/18/22 14:27	
Copper	mg/L	ND	0.0050	0.00050	02/18/22 14:27	
Lead	mg/L	ND	0.0010	0.00089	02/18/22 14:27	
Nickel	mg/L	ND	0.0050	0.00071	02/18/22 14:27	
Selenium	mg/L	ND	0.0050	0.0014	02/18/22 14:27	
Silver	mg/L	ND	0.0050	0.00044	02/18/22 14:27	
Thallium	mg/L	ND	0.0010	0.00018	02/18/22 14:27	
Vanadium	mg/L	ND	0.010	0.0019	02/18/22 14:27	

LABORATORY CONTROL SAMPLE: 3553777

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	110	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.11	105	80-120	
Boron	mg/L	1	1.1	107	80-120	
Cadmium	mg/L	0.1	0.10	105	80-120	
Chromium	mg/L	0.1	0.11	109	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Parameter	Units	92586436003		3553778		3553779		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MS Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	0.0029J	0.1	0.1	0.11	0.11	106	110	75-125	4	20			
Arsenic	mg/L	0.0053	0.1	0.1	0.10	0.10	99	100	75-125	0	20			
Barium	mg/L	0.024	0.1	0.1	0.13	0.13	103	108	75-125	4	20			
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20			
Boron	mg/L	ND	1	1	1.0	1.1	104	107	75-125	3	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	103	101	75-125	3	20			
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	104	101	75-125	3	20			
Cobalt	mg/L	0.00093J	0.1	0.1	0.099	0.097	98	96	75-125	2	20			
Copper	mg/L	0.00096J	0.1	0.1	0.096	0.095	95	94	75-125	1	20			
Lead	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	1	20			
Nickel	mg/L	ND	0.1	0.1	0.098	0.097	97	97	75-125	0	20			
Selenium	mg/L	ND	0.1	0.1	0.096	0.098	96	98	75-125	2	20			
Silver	mg/L	ND	0.1	0.1	0.099	0.10	99	102	75-125	3	20			
Thallium	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 679169 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

METHOD BLANK: 3553959 Matrix: Water
Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/18/22 19:25	
Arsenic	mg/L	0.0019J	0.0050	0.0011	02/18/22 19:25	
Barium	mg/L	ND	0.0050	0.00067	02/18/22 19:25	
Beryllium	mg/L	ND	0.00050	0.000054	02/18/22 19:25	
Boron	mg/L	ND	0.040	0.0086	02/18/22 19:25	
Cadmium	mg/L	ND	0.00050	0.00011	02/18/22 19:25	
Chromium	mg/L	ND	0.0050	0.0011	02/18/22 19:25	
Cobalt	mg/L	ND	0.0050	0.00039	02/18/22 19:25	
Copper	mg/L	ND	0.0050	0.00050	02/18/22 19:25	
Lead	mg/L	ND	0.0010	0.00089	02/18/22 19:25	
Nickel	mg/L	ND	0.0050	0.00071	02/18/22 19:25	
Selenium	mg/L	ND	0.0050	0.0014	02/18/22 19:25	
Silver	mg/L	ND	0.0050	0.00044	02/18/22 19:25	
Thallium	mg/L	ND	0.0010	0.00018	02/18/22 19:25	
Vanadium	mg/L	ND	0.010	0.0019	02/18/22 19:25	

LABORATORY CONTROL SAMPLE: 3553960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	107	80-120	
Arsenic	mg/L	0.1	0.11	107	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.11	111	80-120	
Boron	mg/L	1	1.0	105	80-120	
Cadmium	mg/L	0.1	0.11	106	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Copper	mg/L	0.1	0.10	100	80-120	
Lead	mg/L	0.1	0.10	104	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.10	102	80-120	
Vanadium	mg/L	0.1	0.10	104	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Parameter	Units	92586436021		3553961		3553962		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MS Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	110	106	75-125	4	20			
Arsenic	mg/L	0.0023J	0.1	0.1	0.11	0.10	104	101	75-125	3	20			
Barium	mg/L	0.022	0.1	0.1	0.12	0.12	99	95	75-125	3	20			
Beryllium	mg/L	0.00021J	0.1	0.1	0.11	0.10	108	104	75-125	4	20			
Boron	mg/L	ND	1	1	1.0	0.99	104	98	75-125	6	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20			
Chromium	mg/L	ND	0.1	0.1	0.10	0.098	102	98	75-125	4	20			
Cobalt	mg/L	0.0018J	0.1	0.1	0.10	0.10	102	98	75-125	4	20			
Copper	mg/L	ND	0.1	0.1	0.099	0.095	99	94	75-125	4	20			
Lead	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20			
Nickel	mg/L	0.0014J	0.1	0.1	0.10	0.097	101	95	75-125	5	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20			
Silver	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20			
Thallium	mg/L	ND	0.1	0.1	0.10	0.096	100	96	75-125	4	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 680871	Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A	Analysis Description: 6020 MET
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 3562117 Matrix: Water

Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/25/22 20:37	
Arsenic	mg/L	ND	0.0050	0.0011	02/25/22 20:37	
Barium	mg/L	ND	0.0050	0.00067	02/25/22 20:37	
Beryllium	mg/L	ND	0.00050	0.000054	02/25/22 20:37	
Boron	mg/L	ND	0.040	0.0086	02/25/22 20:37	
Cadmium	mg/L	ND	0.00050	0.00011	02/25/22 20:37	
Chromium	mg/L	ND	0.0050	0.0011	02/25/22 20:37	
Cobalt	mg/L	ND	0.0050	0.00039	02/25/22 20:37	
Copper	mg/L	ND	0.0050	0.00050	02/25/22 20:37	
Lead	mg/L	ND	0.0010	0.00089	02/25/22 20:37	
Nickel	mg/L	ND	0.0050	0.00071	02/25/22 20:37	
Selenium	mg/L	ND	0.0050	0.0014	02/25/22 20:37	
Silver	mg/L	ND	0.0050	0.00044	02/25/22 20:37	
Thallium	mg/L	ND	0.0010	0.00018	02/25/22 20:37	
Vanadium	mg/L	ND	0.010	0.0019	02/25/22 20:37	

LABORATORY CONTROL SAMPLE: 3562118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	104	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.11	109	80-120	
Boron	mg/L	1	1.1	112	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.096	96	80-120	
Copper	mg/L	0.1	0.095	95	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Nickel	mg/L	0.1	0.097	97	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Parameter	Units	3562119		3562120		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92587322014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	2	20		
Arsenic	mg/L	0.0046J	0.1	0.1	0.11	0.12	106	110	75-125	4	20		
Barium	mg/L	0.046	0.1	0.1	0.15	0.15	105	109	75-125	3	20		
Beryllium	mg/L	0.00011J	0.1	0.1	0.10	0.10	100	104	75-125	4	20		
Boron	mg/L	10.5	1	1	11.0	11.5	50	104	75-125	5	20	M1	
Cadmium	mg/L	0.00024J	0.1	0.1	0.094	0.099	94	99	75-125	5	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	99	106	75-125	7	20		
Cobalt	mg/L	0.031	0.1	0.1	0.12	0.13	93	99	75-125	4	20		
Copper	mg/L	ND	0.1	0.1	0.095	0.093	95	93	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.085	0.087	85	87	75-125	3	20		
Nickel	mg/L	0.011	0.1	0.1	0.10	0.11	93	97	75-125	4	20		
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	104	108	75-125	4	20		
Silver	mg/L	ND	0.1	0.1	0.087	0.088	87	88	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.087	0.090	87	90	75-125	3	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.11	103	109	75-125	6	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	678396	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017

METHOD BLANK: 3550157 Matrix: Water

Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/16/22 10:48	

LABORATORY CONTROL SAMPLE: 3550158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3550159 3550160

Parameter	Units	3550159		3550160		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92586342010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Mercury	mg/L	ND	0.0025	0.0025	0.0021	0.0023	85	92	75-125	8	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 678399

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436018, 92586436019, 92586436020, 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030

METHOD BLANK: 3550166

Matrix: Water

Associated Lab Samples: 92586436018, 92586436019, 92586436020, 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/16/22 12:04	

LABORATORY CONTROL SAMPLE: 3550167

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3550168 3550169

Parameter	Units	92586342013 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury	mg/L	ND	0.0025	0.0025	0.0021	0.0022	82	87	75-125	6	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 678404

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436031

METHOD BLANK: 3550196

Matrix: Water

Associated Lab Samples: 92586436031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/16/22 13:25	

LABORATORY CONTROL SAMPLE: 3550197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0021	86	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3550198 3550199

Parameter	Units	3550198		3550199		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	92586436031 ND	0.0025	0.0025	0.0020	0.0023	78	93	75-125	18	20

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 681261 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 3564035 Matrix: Water
Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/28/22 14:00	

LABORATORY CONTROL SAMPLE: 3564036

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3564037 3564038

Parameter	Units	3564037		3564038		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	92588620001 ND	0.0025	0.0025	0.0025	97	97	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	676439	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006

METHOD BLANK: 3540519 Matrix: Water
Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/07/22 17:19	

LABORATORY CONTROL SAMPLE: 3540520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	374	94	80-120	

SAMPLE DUPLICATE: 3540521

Parameter	Units	92585555019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	180	181	1	25	

SAMPLE DUPLICATE: 3540522

Parameter	Units	92585920011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	96.0	94.0	2	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 676566 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

METHOD BLANK: 3541419 Matrix: Water
Associated Lab Samples: 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/08/22 11:11	

LABORATORY CONTROL SAMPLE: 3541420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	390	98	80-120	

SAMPLE DUPLICATE: 3541421

Parameter	Units	92585920025 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	65.0	46.0	34	25	D6

SAMPLE DUPLICATE: 3541422

Parameter	Units	92586436013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	102	103	1	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 676886	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436019, 92586436020

METHOD BLANK: 3542886 Matrix: Water

Associated Lab Samples: 92586436019, 92586436020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/09/22 10:12	

LABORATORY CONTROL SAMPLE: 3542887

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	374	94	80-120	

SAMPLE DUPLICATE: 3542888

Parameter	Units	92585920029 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	538	574	6	25	

SAMPLE DUPLICATE: 3542889

Parameter	Units	92585979010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1380	1350	2	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 677214

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026

METHOD BLANK: 3544553

Matrix: Water

Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/11/22 10:42	

LABORATORY CONTROL SAMPLE: 3544554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	383	96	80-120	

SAMPLE DUPLICATE: 3544555

Parameter	Units	92586430002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 3544556

Parameter	Units	92586613010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	225	217	4	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 677216

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

METHOD BLANK: 3544560

Matrix: Water

Associated Lab Samples: 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/11/22 11:39	

LABORATORY CONTROL SAMPLE: 3544561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	381	95	80-120	

SAMPLE DUPLICATE: 3544562

Parameter	Units	92586436027 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	162	168	4	25	

SAMPLE DUPLICATE: 3544563

Parameter	Units	92586613016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	161	155	4	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 680301 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 3559080 Matrix: Water
Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/23/22 15:59	

LABORATORY CONTROL SAMPLE: 3559081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	354	88	80-120	

SAMPLE DUPLICATE: 3559082

Parameter	Units	92587881053 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 3559083

Parameter	Units	92589518001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2270	2130	6	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 798119 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006

METHOD BLANK: 4240829 Matrix: Water
Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/10/22 14:33	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/10/22 14:33	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/10/22 14:33	

LABORATORY CONTROL SAMPLE & LCSD: 4240830 4240831

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	40.3	39.9	101	100	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240832 4240833

Parameter	Units	92585727002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	2.8J	40	40	43.8	43.8	102	103	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240834 4240835

Parameter	Units	10596422001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	29.9	40	40	69.2	69.5	98	99	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 798366 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

METHOD BLANK: 4241914 Matrix: Water
Associated Lab Samples: 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/10/22 19:52	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/10/22 19:52	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/10/22 19:52	

LABORATORY CONTROL SAMPLE & LCSD: 4241915 4241916

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	41.9	42.2	105	105	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4241917 4241918

Parameter	Units	10597082001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	23.0	40	40	62.8	63.0	100	100	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4241919 4241920

Parameter	Units	92586436012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	76.7	40	40	116	116	98	99	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	798367	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025

METHOD BLANK: 4241924 Matrix: Water

Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	5.0	1.8	02/10/22 19:24	
Alkalinity,Bicarbonate (CaCO ₃)	mg/L	ND	5.0	1.8	02/10/22 19:24	
Alkalinity,Carbonate (CaCO ₃)	mg/L	ND	5.0	1.8	02/10/22 19:24	

LABORATORY CONTROL SAMPLE & LCSD: 4241925 4241926

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	40	42.6	42.3	106	106	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4241927 4241928

Parameter	Units	10596573001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	133	40	40	173	172	100	100	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 798903 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 92586436019, 92586436020, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

METHOD BLANK: 4244463 Matrix: Water
Associated Lab Samples: 92586436019, 92586436020, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/15/22 15:58	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/15/22 15:58	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/15/22 15:58	

LABORATORY CONTROL SAMPLE & LCSD: 4244464 4244465

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	40.1	40.6	100	102	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4244466 4244467

Parameter	Units	10597383001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	22.2	40	40	62.0	62.0	100	100	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4244468 4244469

Parameter	Units	10597488002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	29.6	40	40	69.4	69.6	99	100	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 800675 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 4252517 Matrix: Water
Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/25/22 11:20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/25/22 11:20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/25/22 11:20	

LABORATORY CONTROL SAMPLE & LCSD: 4252518 4252519

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	42.1	42.4	105	106	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4252520 4252521

Parameter	Units	10598316001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	31.9	40	40	71.6	72.2	99	101	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4252522 4252523

Parameter	Units	10598521001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	288	40	40	325	328	93	98	80-120	1	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch:	677743	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010

METHOD BLANK: 3547238 Matrix: Water
Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/12/22 16:11	
Fluoride	mg/L	ND	0.10	0.050	02/12/22 16:11	
Sulfate	mg/L	ND	1.0	0.50	02/12/22 16:11	

LABORATORY CONTROL SAMPLE: 3547239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547240 3547241

Parameter	Units	9258555014		MS		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result							
Chloride	mg/L	4.3	50	50	60.1	60.2	112	112	90-110	0	10	M1		
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	110	111	90-110	1	10	M1		
Sulfate	mg/L	6.1	50	50	62.6	62.4	113	113	90-110	0	10	M1		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547242 3547243

Parameter	Units	92586436001		MS		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result							
Chloride	mg/L	1.2	50	50	57.3	57.5	112	113	90-110	0	10	M1		
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	110	111	90-110	1	10	M1		
Sulfate	mg/L	0.93J	50	50	57.2	57.7	113	114	90-110	1	10	M1		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 677747 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018, 92586436019, 92586436020

METHOD BLANK: 3547262 Matrix: Water
Associated Lab Samples: 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018, 92586436019, 92586436020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/12/22 23:09	
Fluoride	mg/L	ND	0.10	0.050	02/12/22 23:09	
Sulfate	mg/L	ND	1.0	0.50	02/12/22 23:09	

LABORATORY CONTROL SAMPLE: 3547263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.2	104	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	51.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547264 3547265

Parameter	Units	92586436011		3547265		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	0.76J	50	50	57.0	57.0	112	113	90-110	0	10 M1
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	111	111	90-110	0	10 M1
Sulfate	mg/L	1.3	50	50	57.8	58.2	113	114	90-110	1	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547266 3547267

Parameter	Units	92585200001		3547267		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	43.4	50	50	98.7	98.5	111	110	90-110	0	10 M1
Fluoride	mg/L	0.058J	2.5	2.5	2.9	2.9	112	112	90-110	0	10 M1
Sulfate	mg/L	14.5	50	50	71.1	70.8	113	113	90-110	0	10 M1

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 678003 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92586436021, 92586436022

METHOD BLANK: 3548358 Matrix: Water
Associated Lab Samples: 92586436021, 92586436022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/14/22 05:52	
Fluoride	mg/L	ND	0.10	0.050	02/14/22 05:52	
Sulfate	mg/L	ND	1.0	0.50	02/14/22 05:52	

LABORATORY CONTROL SAMPLE: 3548359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.5	105	90-110	
Fluoride	mg/L	2.5	2.6	102	90-110	
Sulfate	mg/L	50	52.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548360 3548361

Parameter	Units	92587763018		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	ND	50	50	52.4	52.5	105	105	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	104	105	90-110	0	10		
Sulfate	mg/L	ND	50	50	52.3	52.4	105	105	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548362 3548363

Parameter	Units	92585375006		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	9.3	50	50	61.7	62.1	105	105	90-110	1	10		
Fluoride	mg/L	0.13	2.5	2.5	2.7	2.7	103	104	90-110	1	10		
Sulfate	mg/L	70.0	50	50	103	104	67	68	90-110	1	10 M1		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch:	678004	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

METHOD BLANK: 3548365 Matrix: Water
Associated Lab Samples: 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/14/22 18:19	
Fluoride	mg/L	ND	0.10	0.050	02/14/22 18:19	
Sulfate	mg/L	ND	1.0	0.50	02/14/22 18:19	

LABORATORY CONTROL SAMPLE: 3548366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	48.6	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548367 3548368

Parameter	Units	92586436023		3548368		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	1.1	50	50	51.6	51.8	101	101	90-110	0	10
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	103	104	90-110	1	10
Sulfate	mg/L	1.7	50	50	52.1	52.3	101	101	90-110	0	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548369 3548370

Parameter	Units	92586807001		3548370		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	664	50	50	700	708	72	88	90-110	1	10 M1
Fluoride	mg/L	0.69	2.5	2.5	3.4	3.4	106	110	90-110	2	10
Sulfate	mg/L	87.3	50	50	132	134	89	93	90-110	1	10 M1

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 680699	Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993	Analysis Description: 300.0 IC Anions
	Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 3561036 Matrix: Water

Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/25/22 01:54	
Fluoride	mg/L	ND	0.10	0.050	02/25/22 01:54	
Sulfate	mg/L	ND	1.0	0.50	02/25/22 01:54	

LABORATORY CONTROL SAMPLE: 3561037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.9	96	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	47.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3561040 3561041

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92588973012	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	19.4	19.4	50	50	70.5	71.6	102	104	90-110	1	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.7	2.8	107	110	90-110	3	10	
Sulfate	mg/L	94.0	94.0	50	50	138	137	88	87	90-110	0	10 M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3561344 3561345

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92588973003	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	1.6	1.6	50	50	52.8	53.5	102	104	90-110	1	10	
Fluoride	mg/L	0.052J	0.052J	2.5	2.5	2.7	2.9	105	115	90-110	8	10 M1	
Sulfate	mg/L	53.5	53.5	50	50	98.8	99.1	90	91	90-110	0	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92586436001	GWA-1				
92586436002	GWA-2				
92586436003	GWA-2R				
92586436004	GWA-50				
92586436007	GWA-3A				
92586436008	GWC-5				
92586436009	GWC-6				
92586436010	GWC-6RZ				
92586436011	GWC-7Z				
92586436012	GWC-8Z				
92586436013	GWC-8RR				
92586436014	GWC-9				
92586436015	GWC-12				
92586436016	GWA-50R				
92586436019	GWA-4RZ				
92586436021	GWC-10				
92586436022	GWC-10R				
92586436023	GWC-11				
92586436024	GWC-11R				
92586436025	GWC-13RZ				
92586436026	GWC-14Z				
92586436027	GWC-15R				
92586436030	GWC-15Z				
92586436032	GWC-13				
92586436001	GWA-1	EPA 3010A	679147	EPA 6010D	679327
92586436002	GWA-2	EPA 3010A	679147	EPA 6010D	679327
92586436003	GWA-2R	EPA 3010A	679147	EPA 6010D	679327
92586436004	GWA-50	EPA 3010A	679147	EPA 6010D	679327
92586436005	DUP-1	EPA 3010A	679147	EPA 6010D	679327
92586436006	FB-1	EPA 3010A	679147	EPA 6010D	679327
92586436007	GWA-3A	EPA 3010A	679147	EPA 6010D	679327
92586436008	GWC-5	EPA 3010A	679147	EPA 6010D	679327
92586436009	GWC-6	EPA 3010A	679147	EPA 6010D	679327
92586436010	GWC-6RZ	EPA 3010A	679147	EPA 6010D	679327
92586436011	GWC-7Z	EPA 3010A	679147	EPA 6010D	679327
92586436012	GWC-8Z	EPA 3010A	679147	EPA 6010D	679327
92586436013	GWC-8RR	EPA 3010A	679147	EPA 6010D	679327
92586436014	GWC-9	EPA 3010A	679147	EPA 6010D	679327
92586436015	GWC-12	EPA 3010A	679147	EPA 6010D	679327
92586436016	GWA-50R	EPA 3010A	679147	EPA 6010D	679327
92586436017	DUP-2	EPA 3010A	679147	EPA 6010D	679327
92586436018	FB-2	EPA 3010A	679147	EPA 6010D	679327
92586436019	GWA-4RZ	EPA 3010A	679167	EPA 6010D	679340
92586436020	FB-3	EPA 3010A	679167	EPA 6010D	679340
92586436021	GWC-10	EPA 3010A	679167	EPA 6010D	679340
92586436022	GWC-10R	EPA 3010A	679167	EPA 6010D	679340
92586436023	GWC-11	EPA 3010A	679167	EPA 6010D	679340
92586436024	GWC-11R	EPA 3010A	679167	EPA 6010D	679340

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92586436025	GWC-13RZ	EPA 3010A	679167	EPA 6010D	679340
92586436026	GWC-14Z	EPA 3010A	679167	EPA 6010D	679340
92586436027	GWC-15R	EPA 3010A	679167	EPA 6010D	679340
92586436028	DUP-3	EPA 3010A	679167	EPA 6010D	679340
92586436029	FB-4	EPA 3010A	679167	EPA 6010D	679340
92586436030	GWC-15Z	EPA 3010A	679167	EPA 6010D	679340
92586436031	FB-5	EPA 3010A	679167	EPA 6010D	679340
92586436032	GWC-13	EPA 3010A	680899	EPA 6010D	681055
92586436033	FB-6	EPA 3010A	680899	EPA 6010D	681055
92586436001	GWA-1	EPA 3005A	679148	EPA 6020B	679359
92586436002	GWA-2	EPA 3005A	679148	EPA 6020B	679359
92586436003	GWA-2R	EPA 3005A	679148	EPA 6020B	679359
92586436004	GWA-50	EPA 3005A	679148	EPA 6020B	679359
92586436005	DUP-1	EPA 3005A	679148	EPA 6020B	679359
92586436006	FB-1	EPA 3005A	679148	EPA 6020B	679359
92586436007	GWA-3A	EPA 3005A	679148	EPA 6020B	679359
92586436008	GWC-5	EPA 3005A	679148	EPA 6020B	679359
92586436009	GWC-6	EPA 3005A	679148	EPA 6020B	679359
92586436010	GWC-6RZ	EPA 3005A	679148	EPA 6020B	679359
92586436011	GWC-7Z	EPA 3005A	679148	EPA 6020B	679359
92586436012	GWC-8Z	EPA 3005A	679148	EPA 6020B	679359
92586436013	GWC-8RR	EPA 3005A	679148	EPA 6020B	679359
92586436014	GWC-9	EPA 3005A	679148	EPA 6020B	679359
92586436015	GWC-12	EPA 3005A	679148	EPA 6020B	679359
92586436016	GWA-50R	EPA 3005A	679148	EPA 6020B	679359
92586436017	DUP-2	EPA 3005A	679148	EPA 6020B	679359
92586436018	FB-2	EPA 3005A	679148	EPA 6020B	679359
92586436019	GWA-4RZ	EPA 3005A	679148	EPA 6020B	679359
92586436020	FB-3	EPA 3005A	679148	EPA 6020B	679359
92586436021	GWC-10	EPA 3005A	679169	EPA 6020B	679363
92586436022	GWC-10R	EPA 3005A	679169	EPA 6020B	679363
92586436023	GWC-11	EPA 3005A	679169	EPA 6020B	679363
92586436024	GWC-11R	EPA 3005A	679169	EPA 6020B	679363
92586436025	GWC-13RZ	EPA 3005A	679169	EPA 6020B	679363
92586436026	GWC-14Z	EPA 3005A	679169	EPA 6020B	679363
92586436027	GWC-15R	EPA 3005A	679169	EPA 6020B	679363
92586436028	DUP-3	EPA 3005A	679169	EPA 6020B	679363
92586436029	FB-4	EPA 3005A	679169	EPA 6020B	679363
92586436030	GWC-15Z	EPA 3005A	679169	EPA 6020B	679363
92586436031	FB-5	EPA 3005A	679169	EPA 6020B	679363
92586436032	GWC-13	EPA 3005A	680871	EPA 6020B	681052
92586436033	FB-6	EPA 3005A	680871	EPA 6020B	681052
92586436001	GWA-1	EPA 7470A	678396	EPA 7470A	678613
92586436002	GWA-2	EPA 7470A	678396	EPA 7470A	678613
92586436003	GWA-2R	EPA 7470A	678396	EPA 7470A	678613
92586436004	GWA-50	EPA 7470A	678396	EPA 7470A	678613

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92586436005	DUP-1	EPA 7470A	678396	EPA 7470A	678613
92586436006	FB-1	EPA 7470A	678396	EPA 7470A	678613
92586436007	GWA-3A	EPA 7470A	678396	EPA 7470A	678613
92586436008	GWC-5	EPA 7470A	678396	EPA 7470A	678613
92586436009	GWC-6	EPA 7470A	678396	EPA 7470A	678613
92586436010	GWC-6RZ	EPA 7470A	678396	EPA 7470A	678613
92586436011	GWC-7Z	EPA 7470A	678396	EPA 7470A	678613
92586436012	GWC-8Z	EPA 7470A	678396	EPA 7470A	678613
92586436013	GWC-8RR	EPA 7470A	678396	EPA 7470A	678613
92586436014	GWC-9	EPA 7470A	678396	EPA 7470A	678613
92586436015	GWC-12	EPA 7470A	678396	EPA 7470A	678613
92586436016	GWA-50R	EPA 7470A	678396	EPA 7470A	678613
92586436017	DUP-2	EPA 7470A	678396	EPA 7470A	678613
92586436018	FB-2	EPA 7470A	678399	EPA 7470A	678663
92586436019	GWA-4RZ	EPA 7470A	678399	EPA 7470A	678663
92586436020	FB-3	EPA 7470A	678399	EPA 7470A	678663
92586436021	GWC-10	EPA 7470A	678399	EPA 7470A	678663
92586436022	GWC-10R	EPA 7470A	678399	EPA 7470A	678663
92586436023	GWC-11	EPA 7470A	678399	EPA 7470A	678663
92586436024	GWC-11R	EPA 7470A	678399	EPA 7470A	678663
92586436025	GWC-13RZ	EPA 7470A	678399	EPA 7470A	678663
92586436026	GWC-14Z	EPA 7470A	678399	EPA 7470A	678663
92586436027	GWC-15R	EPA 7470A	678399	EPA 7470A	678663
92586436028	DUP-3	EPA 7470A	678399	EPA 7470A	678663
92586436029	FB-4	EPA 7470A	678399	EPA 7470A	678663
92586436030	GWC-15Z	EPA 7470A	678399	EPA 7470A	678663
92586436031	FB-5	EPA 7470A	678404	EPA 7470A	678664
92586436032	GWC-13	EPA 7470A	681261	EPA 7470A	681332
92586436033	FB-6	EPA 7470A	681261	EPA 7470A	681332
92586436001	GWA-1	SM 2540C-2015	676439		
92586436002	GWA-2	SM 2540C-2015	676439		
92586436003	GWA-2R	SM 2540C-2015	676439		
92586436004	GWA-50	SM 2540C-2015	676439		
92586436005	DUP-1	SM 2540C-2015	676439		
92586436006	FB-1	SM 2540C-2015	676439		
92586436007	GWA-3A	SM 2540C-2015	676566		
92586436008	GWC-5	SM 2540C-2015	676566		
92586436009	GWC-6	SM 2540C-2015	676566		
92586436010	GWC-6RZ	SM 2540C-2015	676566		
92586436011	GWC-7Z	SM 2540C-2015	676566		
92586436012	GWC-8Z	SM 2540C-2015	676566		
92586436013	GWC-8RR	SM 2540C-2015	676566		
92586436014	GWC-9	SM 2540C-2015	676566		
92586436015	GWC-12	SM 2540C-2015	676566		
92586436016	GWA-50R	SM 2540C-2015	676566		
92586436017	DUP-2	SM 2540C-2015	676566		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92586436018	FB-2	SM 2540C-2015	676566		
92586436019	GWA-4RZ	SM 2540C-2015	676886		
92586436020	FB-3	SM 2540C-2015	676886		
92586436021	GWC-10	SM 2540C-2015	677214		
92586436022	GWC-10R	SM 2540C-2015	677214		
92586436023	GWC-11	SM 2540C-2015	677214		
92586436024	GWC-11R	SM 2540C-2015	677214		
92586436025	GWC-13RZ	SM 2540C-2015	677214		
92586436026	GWC-14Z	SM 2540C-2015	677214		
92586436027	GWC-15R	SM 2540C-2015	677216		
92586436028	DUP-3	SM 2540C-2015	677216		
92586436029	FB-4	SM 2540C-2015	677216		
92586436030	GWC-15Z	SM 2540C-2015	677216		
92586436031	FB-5	SM 2540C-2015	677216		
92586436032	GWC-13	SM 2540C-2015	680301		
92586436033	FB-6	SM 2540C-2015	680301		
92586436001	GWA-1	SM 2320B	798119		
92586436002	GWA-2	SM 2320B	798119		
92586436003	GWA-2R	SM 2320B	798119		
92586436004	GWA-50	SM 2320B	798119		
92586436005	DUP-1	SM 2320B	798119		
92586436006	FB-1	SM 2320B	798119		
92586436007	GWA-3A	SM 2320B	798366		
92586436008	GWC-5	SM 2320B	798366		
92586436009	GWC-6	SM 2320B	798366		
92586436010	GWC-6RZ	SM 2320B	798366		
92586436011	GWC-7Z	SM 2320B	798366		
92586436012	GWC-8Z	SM 2320B	798366		
92586436013	GWC-8RR	SM 2320B	798366		
92586436014	GWC-9	SM 2320B	798366		
92586436015	GWC-12	SM 2320B	798366		
92586436016	GWA-50R	SM 2320B	798366		
92586436017	DUP-2	SM 2320B	798366		
92586436018	FB-2	SM 2320B	798366		
92586436019	GWA-4RZ	SM 2320B	798903		
92586436020	FB-3	SM 2320B	798903		
92586436021	GWC-10	SM 2320B	798367		
92586436022	GWC-10R	SM 2320B	798367		
92586436023	GWC-11	SM 2320B	798367		
92586436024	GWC-11R	SM 2320B	798367		
92586436025	GWC-13RZ	SM 2320B	798367		
92586436026	GWC-14Z	SM 2320B	798903		
92586436027	GWC-15R	SM 2320B	798903		
92586436028	DUP-3	SM 2320B	798903		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92586436029	FB-4	SM 2320B	798903		
92586436030	GWC-15Z	SM 2320B	798903		
92586436031	FB-5	SM 2320B	798903		
92586436032	GWC-13	SM 2320B	800675		
92586436033	FB-6	SM 2320B	800675		
92586436001	GWA-1	EPA 300.0 Rev 2.1 1993	677743		
92586436002	GWA-2	EPA 300.0 Rev 2.1 1993	677743		
92586436003	GWA-2R	EPA 300.0 Rev 2.1 1993	677743		
92586436004	GWA-50	EPA 300.0 Rev 2.1 1993	677743		
92586436005	DUP-1	EPA 300.0 Rev 2.1 1993	677743		
92586436006	FB-1	EPA 300.0 Rev 2.1 1993	677743		
92586436007	GWA-3A	EPA 300.0 Rev 2.1 1993	677743		
92586436008	GWC-5	EPA 300.0 Rev 2.1 1993	677743		
92586436009	GWC-6	EPA 300.0 Rev 2.1 1993	677743		
92586436010	GWC-6RZ	EPA 300.0 Rev 2.1 1993	677743		
92586436011	GWC-7Z	EPA 300.0 Rev 2.1 1993	677747		
92586436012	GWC-8Z	EPA 300.0 Rev 2.1 1993	677747		
92586436013	GWC-8RR	EPA 300.0 Rev 2.1 1993	677747		
92586436014	GWC-9	EPA 300.0 Rev 2.1 1993	677747		
92586436015	GWC-12	EPA 300.0 Rev 2.1 1993	677747		
92586436016	GWA-50R	EPA 300.0 Rev 2.1 1993	677747		
92586436017	DUP-2	EPA 300.0 Rev 2.1 1993	677747		
92586436018	FB-2	EPA 300.0 Rev 2.1 1993	677747		
92586436019	GWA-4RZ	EPA 300.0 Rev 2.1 1993	677747		
92586436020	FB-3	EPA 300.0 Rev 2.1 1993	677747		
92586436021	GWC-10	EPA 300.0 Rev 2.1 1993	678003		
92586436022	GWC-10R	EPA 300.0 Rev 2.1 1993	678003		
92586436023	GWC-11	EPA 300.0 Rev 2.1 1993	678004		
92586436024	GWC-11R	EPA 300.0 Rev 2.1 1993	678004		
92586436025	GWC-13RZ	EPA 300.0 Rev 2.1 1993	678004		
92586436026	GWC-14Z	EPA 300.0 Rev 2.1 1993	678004		
92586436027	GWC-15R	EPA 300.0 Rev 2.1 1993	678004		
92586436028	DUP-3	EPA 300.0 Rev 2.1 1993	678004		
92586436029	FB-4	EPA 300.0 Rev 2.1 1993	678004		
92586436030	GWC-15Z	EPA 300.0 Rev 2.1 1993	678004		
92586436031	FB-5	EPA 300.0 Rev 2.1 1993	678004		
92586436032	GWC-13	EPA 300.0 Rev 2.1 1993	680699		
92586436033	FB-6	EPA 300.0 Rev 2.1 1993	680699		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
 Page 1 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition
 Upon Receipt

Client Name:
GA POWER

Project #: **WO# : 92586436**

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____



92586436

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: JPE 2/17/22

Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer: IR Gun ID: 230 Type of Ice: Wet Blue None

Biological Tissue Frozen?
 Yes No N/A

Cooler Temp: 5.5 Correction Factor: Add/Subtract (°C) +2

Temp should be above freezing to 6°C
 Samples out of temp criteria Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.7

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?
 Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		9.
-Includes Date/Time/ID/Analysis Matrix:	<u>WT</u>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
 Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

Project #

WO# : 92586436

PM: NMG

Due Date: 02/18/22

CLIENT: GA-GA Power

**Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGfU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1	2	1																												
2	2	1																												
3	2	1																												
4	2	1																												
5	2	1																												
6	2	1																												
7	2	1																												
8	2	1																												
9	2	1																												
10	2	1																												
11	2	1																												
12	2	1																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
 Page 2 of 2

Issuing Authority:
 Quality Office

Project #

WO# : 92586436

PM: NMG

Due Date: 02/18/22

CLIENT: GA-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-S035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		2	1																										
2		2	1																										
3		2	1																										
4		2	1																										
5		2	1																										
6		2	1																										
7		2	1																										
8		2	1																										
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

CHAIN-OF-CUSTODY / Analytical Request Document

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



Section A Required Client Information Company: GA POWER Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Email To: Kevin.Stephenson@Resoluteenv.com Phone: (678)5489415 Requested Due Date/TAT: 10 Day	Section B Required Project Information Report To: Kristen Junkko Copy To: Rhonda Quinn Purchase Order No Project Name: Plant Bowen Landfill Cell 1 & 2 Project Number
Section C Invoice Information Attention: Southern Co Company Name Address P.O. Box Reference Project Manager Pace Project # 2928	Regulatory Agency NPDES <input type="checkbox"/> GROUND WATER UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Site Location: GA STATE:

ITEM #	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID S OIL OL WIRE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	
				DATE	TIME							
1	GWA-1	WT G	2/11/22	1456		4	3	1	X	X	X	Pace Project No./ Lab I.D. 7.52 6.30 6.62
2	GWA-2	WT G	2/11/22	1444		4	3	1	X	X	X	
3	GWA-2R	WT G	2/11/22	1545		4	3	1	X	X	X	
4	GWA-3											
5	GWA-4RZ											
6	GWA-5											
7	GWA-6											
8	GWA-6RZ											
9	GWA-7Z											
10	GWA-8Z											
11	GWA-8RR											
12	GWA-9											

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		SAMPLE CONDITIONS	
State Metals include Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Co		William Locker	2/14/22	0800	Atoya Garner	2/14/22	0800
		Atoya Garner	2/14/22	11:45	Kyan Williams / Pa	2/14/22	1146
		Kyan Williams / Pa	2/14/22	PROB		2/14/22	PROB

SAMPLER NAME AND SIGNATURE		DATE SIGNED	DATE SIGNED
PRINT Name of SAMPLER: Meredith Dorean, Will Locker, Kevin Stephenson, Robert Muil		2/11/22	2/11/22
SIGNATURE OF SAMPLER: Meredith Dorean			



Section A
 Required Client Information:
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188
 Copy To: Rhonda Quinn
 Section B
 Required Project Information:
 Report To: Kristen Jurinko
 Purchase Order No.:
 Project Name: Plant Bowen Landfill
 Project Number:
 Section C
 Invoice Information:
 Attention: Southern Co.
 Company Name:
 Address:
 Project Reference:
 Site Profile #: 2928
 Regulatory Agency:
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location: GA
 STATE: GA
 Page: 2 of 3

Section D
 Required Client Information
 Valid Matrix Codes
 MATRIX CODE (see valid codes to left)
 SAMPLE TYPE (G=GRAB C=COMP)
 DATE TIME DATE TIME
 SAMPLE TEMP AT COLLECTION
 # OF CONTAINERS
 Unpreserved
 H₂SO₄
 HNO₃
 HCl
 NaOH
 Na₂S₂O₃
 Methanol
 Other
 Analysis Test
 Metals + State Metals
 Cl, F, SO₄
 Total/Carb/Bicarb Alk
 TDS
 Requested Analysis Filtered (Y/N)
 Residual Chlorine (Y/N)
 Pace Project No./ Lab I.D.
 Temp in °C
 Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)

ITEM #	MATRIX CODE	SAMPLE TYPE	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1	-GWC-10-													
2	-GWC-10R-													
3	-GWC-11-													
4	-GWC-11R-													
5	-GWC-12-													
6	-GWC-12-													
7	-GWC-13RZ-													
8	-GWC-14Z-													
9	-GWC-15Z-													
10	-GWC-16R-													
11	GWA-50	WT G	2/11/22	1540		4	3	1						5.61
12	-GWA-50R-													

ADDITIONAL COMMENTS
 Relinquished by / Affiliation
 William Laker
 Atoya Garner
 Ryan Williams / Pace
 Accepted by / Affiliation
 Atoya Garner
 Ryan Williams / Pace
 Date: 2/11/22
 Time: 0800
 Date: 2/14/22
 Time: 1145
 Date: 2/14/22
 Time: 1900
 Date: 2/14/22
 Time: 1900

PRINT Name of SAMPLER: Meredith Duncan, Will Laker, Kevin Stephenson, Robert + Muri
 SIGNATURE OF SAMPLER: Meredith Duncan
 DATE Signed (MM/DD/YYYY): 2/11/22

Temp in °C
 Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)



CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: GA Power	Report To: Kristen Jurmko	Report To: Rhonda Quinn	Company Name: Southern Co.	Address:	REGULATORY AGENCY
13855 1003 Weatherstone Parkway	Copy To: Rhonda Quinn	Purchase Order No:	Company Name:	Address:	NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/>
Woodstock, GA 30188	Copy To: Rhonda Quinn	Project Name: Plant Bowen Landfill	Company Name:	Address:	UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>
Mail To: Kevin Stephenson@Resoluteenergy.com	Project Name: Plant Bowen Landfill	Project Number:	Company Name:	Address:	Site Location: <u>GA</u>
Phone: (678)5489415	Project Name: Plant Bowen Landfill	Requested Date Data/TAT: 10 Day	Company Name:	Address:	STATE: <u>GA</u>
Requested Date Data/TAT: 10 Day	Project Number:	Requested Analysis Filtered (Y/N)	Company Name:	Address:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
				DATE	TIME			H ₂ SO ₄	HNO ₃	HC	NaOH	Na ₂ S ₂ O ₃	Methanol				
1	-DUP-1	WT	G	2/1/22			4										
2	-DUP-2	WT	G	2/1/22			3										
3	-DUP-3	WT	G	2/1/22	1600		1										
4	-FBL F B-1	WT	G	2/1/22	1600		4										
5	-FBL						3										
6	-FBL																
7	-EQBL																
8	-EQBL																
9	-EQBL																
10																	
11																	
12																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION	
Additional Metals include: Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Li, V, Zn, Co		William Laker		Atoya Garner	
		Atoya Garner		Atoya Garner	
		Kevin Williams / Pace		Kevin Williams / Pace	
		2/4/22 0800		2/4/22 1145	
		2/4/22 1908		2/4/22 1900	

SAMPLER NAME AND SIGNATURE		DATE SIGNED (MM/DD/YY)		Temp in °C	
PRINT Name of SAMPLER: Meredith Duncan, William Laker, Kevin Stephenson, Robert Moll		DATE SIGNED (MM/DD/YY): 2/1/22			
SIGNATURE of SAMPLER: Meredith Duncan				Received on Ice (Y/N)	
				Custody Sealed Cooler (Y/N)	
				Samples Intact (Y/N)	



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188	Section B Required Project Information Report To: Kristen Juriniko Copy To: Rhonda Qurnm Purchase Order No: Project Name: Plant Bowen Landfill Project Number:	Section C Invoice Information Attention: Southern Co Company Name: Address: Pace Quote Reference Pace Project Manager Pace Profile # 2928	REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> Site Location: GA STATE: GA
---	---	---	--

Section D Required Client Information Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WWT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	Section E Required Client Information Sample IDs MUST BE UNIQUE SAMPLE ID (A-Z, 0-9 /, /, /)	Section F Required Client Information Matrix Code (see valid codes to left) SAMPLE TYPE (G=GRAB C=COMP) DATE TIME DATE TIME SAMPLE TEMP AT COLLECTION # OF CONTAINERS Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other Analysis Test Metals + State Metals Cl, F, SO4 Total/Carb/Bicarb Alk TDS	Section G Requested Analysis Filtered (Y/N) Residual Chlorine (Y/N) Pace Project No./ Lab I.D.
--	---	---	--

ITEM #	MATRIX CODE	SAMPLE TYPE	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
1	GWA-1							4		X			5.90
2	GWA-2							4		X			7.40
3	GWA-2R							4		X			7.94
4	GWA-3A							4		X			7.94
5	GWA-4RZ							4		X			7.94
6	GWC-5							4		X			5.90
7	GWC-6							4		X			7.40
8	GWC-6RZ							4		X			6.80
9	GWC-7Z							4		X			7.54
10	GWC-8Z							4		X			8.92
11	GWC-8RR							4		X			8.13
12	GWC-9							4		X			4.81

Section H Additional Comments State Metals include Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Co	Section I Relinquished by / Affiliation William Leaker Arya Garner Kym Williams / Pa	Section J Date 2/4/22 2/4/22 2/4/22	Section K Time 0800 11:45 1900	Section L Accepted by / Affiliation Arya Garner Kym Williams / Pa	Section M Date 2/4/22 2/4/22 2/4/22	Section N Time 0800 1145 1900
---	---	--	---	---	--	--

Section O Sampler Name and Signature PRINT Name of SAMPLER: William Leaker SIGNATURE of SAMPLER: [Signature]	Section P Date Signed (MM/DD/YYYY): 02/02/22	Section Q Temp in °C	Section R Received on Ice (Y/N)	Section S Custody Sealed Cooler (Y/N)	Section T Samples Intact (Y/N)
--	--	--------------------------------	---	---	--



OBTAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: GA Power		Report To: Kristen Juritko		Attention: Southern Co.	
Address: 1003 Weatherstone Parkway Woodstock, Ga 30188		Copy To: Rhonda Quinn		Company Name	
Email To: Kevin.Stephenson@Resoluteenv.com		Purchase Order No.		Address:	
Phone: (678)5489415		Project Name: Plant Bowen Landfill		Facility Name:	
Requested Due Date/TAT: 10 Day		Project Number		Reference:	
		Cells Land 2		Site Profile # 2928	
				Requested Analysis Filtered (Y/N)	
				<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER	
		Site Location: GA		STATE: GA	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE TIME	COMPOSITE	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test				Residual Chlorine (Y/N)	Sample Conditions
							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Y/N	Metals + State Metals	Cl, F, SO ₄		
1	GWA-10R																		
2	GWA-10R																		
3	GWA-11																		
4	GWA-11R																		
5	GWA-12		6/10	2/2/22	1555	4	3	1											6.35
6	GWA-13																		
7	GWA-13RZ																		
8	GWA-14Z																		
9	GWA-15Z																		
10	GWA-15R																		
11	GWA-30																		
12	GWA-50R		3/10	2/4/22	107L	4	3	1											5.17

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME	
Date Metals include Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Pt, V, Zn, Co		William Lanker		2/4/22		0800		Atoya Garner		2/4/22		0800	
		Atoya Garner		2/4/22		11:45		Ryan Williams / Pace		2/4/22		1146	
		Ryan Williams / Pace		2/4/22		1900		Ryan Williams / Pace		2/4/22		1900	

SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER: Robert M.L. Ken Stephenson / Lanker, Mitchell Duncan		DATE Signed (MM/DD/YYYY): 02/02/22	
SIGNATURE of SAMPLER: [Signature]		DATE Signed (MM/DD/YYYY): 02/02/22		Temp in °C	
Received on Ice (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (Y/N)	



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Company: GA Power
Section B Required Project Information: Report To: Kristen Junnko
Section C Invoice Information: Attention: Southern Co.

Address: 1003 Weatherstone Parkway
 Copy To: Rhonda Quinn
 Company Name: Southern Co.
 A. Address: Woodstock, Ga 30188

Project Name: Plant Bowen Landfill
 Project Number: Cells Land 2
 Face Project Manager: N Cole Doleo
 Face Profile #: 2928

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

Site Location: _____
 STATE: GA

Section D Required Client Information: Valid Matrix Codes: MATRIX CODE (see valid codes to left)
 SAMPLE TYPE (G=GRAB C=COMP)
 DATE TIME DATE TIME
 SAMPLE TEMP AT COLLECTION
 # OF CONTAINERS
 Unpreserved
 H₂SO₄
 HNO₃
 HCl
 NaOH
 Na₂S₂O₃
 Methanol
 Other
 Analysis Test Y/N
 Metals + State Metals
 Cl, F, SO₄
 Total/Carb/Bicarb Alk
 TDS
 Requested Analysis Filtered (Y/N)
 Residual Chlorine (Y/N)
 Pace Project No./Lab I.D.

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.
				DATE	TIME			H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other				
1	-BPP-1						4											
2	DUP-2						3											
3	-BPP-3						1											
4	FB-2						3											
5	-FBL-						1											
6	-FBL-																	
7	-EGBL-																	
8	-EGBL-																	
9	-EGBL-																	
10																		
11																		
12																		

Additional Comments: William Locker, Ayoja Garner, Lynn Williams, Rae

Relinquished by / Affiliation: William Locker, Ayoja Garner, Lynn Williams, Rae

Accepted by / Affiliation: William Locker, Ayoja Garner, Lynn Williams, Rae

DATE: 2/4/22 0800, 2/4/22 1145, 2/4/22 1900

DATE SIGNED: 02/02/22

Temp in °C: _____

Received on Ice (Y/N): _____

Custody Sealed Cooler (Y/N): _____

Samples Intact (Y/N): _____

Signature of Sampler: [Signature]



Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway City: Woodstock, Ga 30188 Tel To: Kevin. Stephenson@Resoluteenv.com Fax: (878)5489415 Requested Due Date/TAT: 10 Day		Section B Required Project Information: Report To: Kristen Juritko Copy To: Rhonda Quinn Purchase Order No.: Project Name: Plant Bowen Landfill Cells 1 & 2 Project Number:		Section C Invoice Information: Attention: Southern Co. Company Name: Address: Site Code Reference Plant Project Name: Nicole D'oleo Market Pace Profile #: 2928	
REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>			Site Location STATE: GA		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE ORANGE WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID SL SOLID QL WIPE WP WIP AR OTHER AR TISSUE OT TS	MATR X CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Analysis Test Y/N Metals + State Metals Cl F SO4 Total/Carb/Bicarb Alk TDS	Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)	Pace Project No./ Lab ID.
					DATE	TIME	DATE					TIME			
1	-BWP-4														
2	-BWP-2														
3	-BWP-2														
4	-FB-3		WT G	2/3/22	1200			4	3	1		X	X	X	
5	-FB-														
6	-FB-														
7	-FB-														
8	-FB-														
9	-FB-														
10															
11															
12															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	William Leaker	2/4/22	0800	Atoya Garner	2/4/22	0800	
	Atoya Garner Ryan Williams / Pace	2/4/22	1145	Ryan Williams / Pace	2/4/22	1145	

SAMPLER NAME AND SIGNATURE		Temp in °C
PRINT Name of SAMPLER: Meredith Dorton, Will Leaker, Kevin Stephenson, Robert Mull	DATE Signed (MM/DD/YY): 02/03/22	Received on Ice (Y/N)
SIGNATURE of SAMPLER: <i>Meredith Dorton</i>		Custody Sealed Cooler (Y/N)
		Samples Intact (Y/N)

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt Courier: <input type="checkbox"/> Commercial <input type="checkbox"/> Fed Ex <input type="checkbox"/> Pace <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____ <input type="checkbox"/> Client	Client Name: <u>GA Power</u>	Project #: WO# : 92586436
Custody Seal Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Seals Intact? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PM: _____ Due Date: 02/18/22	CLIENT: GA-GA Power

Date/Initials Person Examining Contents: JPE 2/8/22

Packing Material: Bubble Wrap Bubble Bags None Other
Thermometer: IR Gun ID: 083 **Type of Ice:** Wet Blue None
Biological Tissue Frozen? Yes No N/A

Cooler Temp: 1.1 **Correction Factor:** Add/Subtract (°C) +2
Cooler Temp Corrected (°C): 1.3
USDA Regulated Soil (N/A, water sample)

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. <u>10 DAYS</u>
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
-Includes Date/Time/ID/Analysis Matrix:	<u>W</u>	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY _____ Field Data Required? Yes No

Lot ID of split containers: _____

CLIENT NOTIFICATION/RESOLUTION _____

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

Project #

WO# : 92586436

PM: NMG

Due Date: 02/18/22

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1		2	1																									
2		2	1																									
3		2	1																									
4		2	1																									
5		2	1																									
6		2	1																									
7		2	1																									
8		2	1																									
9		2	1																									
10		2	1																									
11		2	1																									
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Requested Client Information:		Section B Requested Project Information:		Section C Invoice Information:	
Company: GA Power	Report To: Kristen Juriniko	Copy To: Rhonda Quinn	Project Name: Plant Bowen Landfill	Attention: Southern Co.	Company Name: Southern Co.
Address: 1003 Weatherstone Parkway Woodstock, Ga 30188	Project Number:	Address:	Cells 1 and 2	Company Name: Southern Co.	Address:
Contact: Kevin. Stephenson@Resoluteenv.com	Requested Due Date/TAT: 10 Day	Reference:		Reference:	
Phone: (678)5489415		Site Location:		Site Location:	
		State:	GA	State:	GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Page Project No./ Lab I.D.	
				DATE	TIME								
1	GWC-10			2/4/22	1115		4	3	1	X	X	X	6.53
2	GWC-10R			2/4/22	1240		4	3	1	X	X	X	7.69
3	GWC-11			2/4/22	1233		4	3	1	X	X	X	7.20
4	GWC-11R			2/4/22	1045		4	3	1	X	X	X	7.58
5	GWC-12												
6	GWC-13												
7	GWC-13RZ			2/4/22	0944		4	3	1	X	X	X	7.46
8	GWC-14Z			2/4/22	1130		4	3	1	X	X	X	6.06
9	GWC-15Z												
10	GWC-15R			2/4/22	1314		4	3	1	X	X	X	7.61
11	GWC-16												
12	GWC-16R												

Section D Additional Comments		REINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		SAMPLE CONDITIONS	
Metals include: Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Ti, V, Zn, Co		William Leaker		Atoya Garner		Temp in °C	
		Atoya Garner		Ryan Williams / Pace		Received on Ice (Y/N)	
		Ryan Williams / Pace		Ryan Williams / Pace		Custody Sealed Cooler (Y/N)	
		2/8/22		2/8/22		Samples Intact (Y/N)	
		8:10		0948			
		2/8/22		2/8/22			
		0948		0948			
SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER: William Leaker, Kevin Stephenson, Meredith Duncan, Robert Mull		DATE Signed (MM/DD/YY): 2/4/22			
SIGNATURE of SAMPLER: <i>[Signature]</i>							



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 City: Woodstock, Ga 30188
 Contact: Kevin. Stephenson@Resoluteenv.com
 Phone: (678)5489415
 Requested Due Date/AT: 10 Day

Section B Required Project Information
 Report To: Kristen Jurinko
 Copy To: Rhonda Quirin
 Purchase Order No: [Blank]
 Project Name: Plant Bowen Landfill Cells 1 and 2
 Project Number: [Blank]

Section C Invoice Information
 Attention: Southern Co
 Company Name: [Blank]
 Address: [Blank]
 POC Name: Nicole D'oleo
 POC Title: [Blank]
 POC Phone: 2928
 POC Profile #: 2928

Page: 3 of 3

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER CCR
 Site Location: [Blank]
 STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODES DWB WWT WV P SL CL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl				
1	-BPP-1				2/4/22	1315		4	3	1								
2	-BPP-2				2/4/22	1315		4	3	1								
3	-DUP-3				2/4/22	1315		4	3	1								
4	-FB-4																	
5	-FB-																	
6	-FB-																	
7	-FB-																	
8	-FB-																	
9	-FB-																	
10	-FB-																	
11																		
12																		

ADDITIONAL COMMENTS
 Relinquished by / Affiliation: William Leaker
 Accepted by / Affiliation: Atoya Garner
 Date: 2/8/22
 Time: 0800

RELINQUISHED BY / AFFILIATION
 Name: William Leaker
 Date: 2/8/22
 Time: 0800

ACCEPTED BY / AFFILIATION
 Name: Atoya Garner
 Date: 2/8/22
 Time: 0800

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: William Leaker
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed (MM/DD/YYYY): 2/4/22

TEMPERATURE
 Temp in °C: [Blank]

CONDITIONS
 Received on Ice (Y/N): [Blank]
 Custody Sealed Cooler (Y/N): [Blank]
 Samples Intact (Y/N): [Blank]



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:
 Company: GA Power
 Address: 1003 Weatherstone Parkway
 Woodstock, Ga 30188
 Contact: Kevin Stephenson
 Email: kstephenson@resoluteenv.com
 Phone: (678)5489415
 Fax: [blank]
 Requested Due Date/TAT: 10 Day

Section B

Required Project Information:
 Report To: Kristen Jurinko
 Copy To: Rhonda Quinn
 Purchase Order No.: [blank]
 Project Name: Plant Bowen Landfill
 Call's Land 2
 Project Number: [blank]

Section C

Invoice Information:
 Attention: Southern Co.
 Company Name: Southern Co.
 Address: [blank]
 Reference: Nicole D'Onofrio
 Pace Project Manager
 Pace Profile #: 2928

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location: [blank]
 STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH				
1	-GWG-10- Sample IDs MUST BE UNIQUE (A-Z, 0-9/.)	DW WT WW P SL OL W/P AR OT TS																
2	-GWG-10R																	
3	-GWG-11																	
4	-GWG-11R																	
5	-GWG-12																	
6	-GWG-12R																	
7	-GWG-13RZ																	
8	-GWG-14Z																	
9	-GWC-15Z			2/7/22	1013		4	3	1								7.83	
10	-GWC-15R																	
11	-GWA-50																	
12	-GWA-50R																	

ADDITIONAL COMMENTS
 Metals include Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Tl, V, Zn, Co

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
William Laker	2/8/22	0800	Atoya Garner	2/8/22	0800	
Atoya Garner	2/8/22	8:10	Ryan Williams / Pace	2/9/22	0948	
Ryan Williams / Pace	2/9/22	0948				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: William Laker, Meredith Duncan
 SIGNATURE of SAMPLER: [Signatures]
 DATE Signed (MM/DD/YY): 2/7/22

Temp in °C: [blank]
 Received on Ice (Y/N): [blank]
 Custody Sealed Cooler (Y/N): [blank]
 Samples Intact (Y/N): [blank]



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Mail To: Kevin. Stephenson@Resoluteenv.com Phone: (678)5489415 Requested Due Date/TAT: 10 Day	Section B Required Project Information: Report To: Kristen Junnko Copy To: Rhonda Quirin Purchase Order No.: Project Name: Plant Bowen Landfill Project Number:	Section C Invoice Information: Attention: Southern Co. Company Name: Address: Pace Quote Reference: Pace Project Manager: Pace Profile #: 2928
REGULATORY AGENCY		
NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		
Site Location: _____ STATE: <u>GA</u>		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH				
1	-BPP-1																	
2	-BPP-2																	
3	-BPP-3																	
4	-FBL FR-5			2/7/22	1130		4	3	1									
5	-FBL																	
6	-FBL																	
7	-FBL																	
8	-FBL																	
9	-FBL																	
10																		
11																		
12																		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS		
le Metals include Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Tl, V, Zn, Co		William Looker		2/8/22		0800		Atoya Garner		2/8/22		0800				
		Atoya Garner		2/8/22		8:10		Ryan Williams / Pace		2/8/22		0948				
		Ryan Williams / Pace		2/8/22		0948		Ryan Williams / Pace		2/8/22		0948				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: William Looker Meredith Duncan					
SIGNATURE of SAMPLER: <i>[Signature]</i>					
DATE Signed (MM/DD/YY): 2/7/22					

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: 92586436

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

PM: NMG Due Date: 02/18/22
 CLIENT: GA-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/18/22
COA

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Thermometer: If Gun ID: 083 Wet Blue None

Yes No N/A

Cooler Temp: 3.1 Type of Ice: +
 Correction Factor: 0.2
3.3

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.3

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?
 Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A -Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A -Includes Date/Time/ID/Analysis Matrix: <u>W</u>	9.
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers: _____

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO# : 92586436

PM: NMG

Due Date: 02/18/22

CLIENT: GA-GA Power

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)			
1		2	1			1																									
2		2	1			1																									
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Kevin Stephenson
GA Power

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information	
Company	GA Power	Report To	Kristen Jurmko	Attention	Southern Co
Address	1003 Weatherstone Parkway Woodstock Ga 30188	Copy To	Rhonda Quinn	Company Name	
Email To	Kevin Stephenson@resoluteenv.com	Purchase Order No		Address	
Phone	(678)5489415 Fax	Project Name	Plant Bowen Landfill	Price Quote Reference	
Requested Due Date/TAT:	10 Day	Project Number		Price Project Manager	Nicole Doleo
				Price Profile #	2928
REGULATORY AGENCY			Requested Analysis Filtered (Y/N)		
<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER ccc			<input type="checkbox"/> Metals + State Metals <input type="checkbox"/> Cl F SO4 <input type="checkbox"/> Total/Carb/B-carb Alk <input type="checkbox"/> TDS		
Site Location STATE: <u>GA</u>			Residual Chlorine (Y/N)		

ITEM #	Valid Matrix Codes Drinking Water WATER WASTE WATER PRODUCT SOLID/SOLID DIE WIP AIR OTHER TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.
				DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH				
1	-GWA-10																	
2	-GWA-10R																	
3	-GWA-11																	
4	-GWA-11R																	
5	-GWA-12																	
6	-GWA-12R																	
7	-GWA-13																	
8	-GWA-13R																	
9	-GWA-14																	
10	-GWA-14R																	
11	-GWA-50																	
12	-GWA-50R																	

ADDITIONAL COMMENTS: RELINQUISHED BY / AFFILIATION: *Kevin Stephenson* DATE: *2/18/22* TIME: *09:58*

ACCEPTED BY / AFFILIATION: *Angela* DATE: *2/18/22* TIME: *11:56*

SAMPLER NAME AND SIGNATURE: *Kevin Stephenson*

PRINT Name of SAMPLER: Kevin Stephenson, William Locker

SIGNATURE of SAMPLER: *Kevin Stephenson*

DATE Signed (MM/DD/YYYY): 2/17/22

Temp in °C: _____

Received on Ice (Y/N): _____

Custody Sealed Cooler (Y/N): _____

Samples Intact (Y/N): _____

Kevin Stephenson

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 3

Section A Required Client Information Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188 Email To: Kevin.Stephenson@Resoluteenv.com Phone: (678)5489415 Requested Due Date/TAT: 10 Day	Section B Required Project Information Report To: Kristen Juniko Copy To: Rhonda Quinn Purchase Order No: Project Name: Plant Bowen Landfill Project Number:
Section C Invoice Information Attention: Southern Co Company Name: Address: Reference: Price Project Manager: Price Point # 2928	REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> Site Location: _____ STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DATE TIME	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filled (Y/N)	Residual Chlorine (Y/N)	Page Project No./ Lab I.D.
			DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl				
1	-BUP-4															
2	-BUP-2															
3	-BUP-3															
4	-FBL FB-6		2/17/22	1340		4	3	1								
5	-FBL															
6	-FBL															
7	-EGBL															
8	-EGBL															
9	-EGBL															
10																
11																
12																

ADDITIONAL COMMENTS State Metals include So As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se Ag, H, V, Zn, Co		RELINQUISHED BY / AFFILIATION Kevin Stephenson - Invt Date: 2/18/22 Time: 11:50	ACCEPTED BY / AFFILIATION Kevin Stephenson - Invt Date: 2/17/22 Time: 0952	DATE SIGNED (MM/DD/YY): 2/17/22	DATE SIGNED (MM/DD/YY): 2/17/22
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Kevin Stephenson, William Leaber SIGNATURE of SAMPLER: <i>Kevin Stephenson</i>		DATE SIGNED (MM/DD/YY): 2/17/22	DATE SIGNED (MM/DD/YY): 2/17/22	DATE SIGNED (MM/DD/YY): 2/17/22	DATE SIGNED (MM/DD/YY): 2/17/22

April 19, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LF CELLS 3&4
Pace Project No.: 92597519

Dear Joju Abraham:

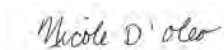
Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA
- Pace Analytical Services - Minneapolis

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Michelle Barker, WOOD E&I
Kristen Jurinko
Ms. Lauren Petty, Southern Company
Rhonda Quinn, WOOD E&I
Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92597519

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92597519

Pace Analytical Services Peachtree Corners
South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92597519001	GWA-36A	Water	04/06/22 11:46	04/06/22 14:10
92597519002	FB-1	Water	04/06/22 12:20	04/06/22 14:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92597519001	GWA-36A	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2320B	AB3	3	PASI-M
		SM 2540C-2011	ZMC	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92597519002	FB-1	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2320B	AB3	3	PASI-M
		SM 2540C-2011	ZMC	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92597519001	GWA-36A					
	Performed by	CUSTOME R			04/06/22 15:49	
	pH	6.82	Std. Units		04/06/22 15:49	
EPA 6010D	Zinc	0.012J	mg/L	0.020	04/07/22 21:01	
EPA 6010D	Potassium	1.6	mg/L	0.20	04/07/22 21:01	
EPA 6010D	Sodium	1.2	mg/L	1.0	04/07/22 21:01	
EPA 6010D	Calcium	48.7	mg/L	1.0	04/07/22 21:01	M1
EPA 6010D	Magnesium	24.4	mg/L	0.050	04/07/22 21:01	M1
EPA 6020B	Arsenic	0.0018J	mg/L	0.0050	04/11/22 17:06	
EPA 6020B	Barium	0.041	mg/L	0.0050	04/11/22 17:06	
EPA 6020B	Beryllium	0.000061J	mg/L	0.00050	04/11/22 17:06	
EPA 6020B	Boron	0.032J	mg/L	0.040	04/11/22 17:06	
SM 2320B	Alkalinity, Total as CaCO3	192	mg/L	5.0	04/16/22 12:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	192	mg/L	5.0	04/16/22 12:20	
SM 2540C-2011	Total Dissolved Solids	238	mg/L	25.0	04/07/22 15:39	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	04/08/22 06:55	
EPA 300.0 Rev 2.1 1993	Sulfate	21.2	mg/L	1.0	04/08/22 06:55	
92597519002	FB-1					
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	04/11/22 17:30	
EPA 6020B	Arsenic	0.0016J	mg/L	0.0050	04/11/22 17:30	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92597519

Sample: GWA-36A	Lab ID: 92597519001	Collected: 04/06/22 11:46	Received: 04/06/22 14:10	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		04/06/22 15:49		
pH	6.82	Std. Units			1		04/06/22 15:49		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.012J	mg/L	0.020	0.0085	1	04/07/22 10:57	04/07/22 21:01	7440-66-6	
Potassium	1.6	mg/L	0.20	0.15	1	04/07/22 10:57	04/07/22 21:01	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	04/07/22 10:57	04/07/22 21:01	7440-23-5	
Calcium	48.7	mg/L	1.0	0.12	1	04/07/22 10:57	04/07/22 21:01	7440-70-2	M1
Magnesium	24.4	mg/L	0.050	0.012	1	04/07/22 10:57	04/07/22 21:01	7439-95-4	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	04/11/22 12:02	04/11/22 17:06	7440-36-0	
Arsenic	0.0018J	mg/L	0.0050	0.0011	1	04/11/22 12:02	04/11/22 17:06	7440-38-2	
Barium	0.041	mg/L	0.0050	0.00067	1	04/11/22 12:02	04/11/22 17:06	7440-39-3	
Beryllium	0.000061J	mg/L	0.00050	0.000054	1	04/11/22 12:02	04/11/22 17:06	7440-41-7	
Boron	0.032J	mg/L	0.040	0.0086	1	04/11/22 12:02	04/11/22 17:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	04/11/22 12:02	04/11/22 17:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	04/11/22 12:02	04/11/22 17:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	04/11/22 12:02	04/11/22 17:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	04/11/22 12:02	04/11/22 17:06	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	04/11/22 12:02	04/11/22 17:06	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	04/11/22 12:02	04/11/22 17:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	04/11/22 12:02	04/11/22 17:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	04/11/22 12:02	04/11/22 17:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	04/11/22 12:02	04/11/22 17:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	04/11/22 12:02	04/11/22 17:06	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	04/18/22 10:15	04/18/22 13:15	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO ₃	192	mg/L	5.0	1.8	1		04/16/22 12:20		
Alkalinity, Bicarbonate (CaCO ₃)	192	mg/L	5.0	1.8	1		04/16/22 12:20		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	1.8	1		04/16/22 12:20		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Asheville									
Total Dissolved Solids	238	mg/L	25.0	25.0	1		04/07/22 15:39		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Sample: GWA-36A **Lab ID: 92597519001** Collected: 04/06/22 11:46 Received: 04/06/22 14:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		04/08/22 06:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		04/08/22 06:55	16984-48-8	
Sulfate	21.2	mg/L	1.0	0.50	1		04/08/22 06:55	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92597519

Sample: FB-1		Lab ID: 92597519002		Collected: 04/06/22 12:20	Received: 04/06/22 14:10	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	04/07/22 10:57	04/07/22 21:21	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	04/07/22 10:57	04/07/22 21:21	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	04/07/22 10:57	04/07/22 21:21	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	04/07/22 10:57	04/07/22 21:21	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	04/07/22 10:57	04/07/22 21:21	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	0.0013J	mg/L	0.0030	0.00078	1	04/11/22 12:02	04/11/22 17:30	7440-36-0	
Arsenic	0.0016J	mg/L	0.0050	0.0011	1	04/11/22 12:02	04/11/22 17:30	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	04/11/22 12:02	04/11/22 17:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	04/11/22 12:02	04/11/22 17:30	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	04/11/22 12:02	04/11/22 17:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	04/11/22 12:02	04/11/22 17:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	04/11/22 12:02	04/11/22 17:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	04/11/22 12:02	04/11/22 17:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	04/11/22 12:02	04/11/22 17:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	04/11/22 12:02	04/11/22 17:30	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	04/11/22 12:02	04/11/22 17:30	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	04/11/22 12:02	04/11/22 17:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	04/11/22 12:02	04/11/22 17:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	04/11/22 12:02	04/11/22 17:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	04/11/22 12:02	04/11/22 17:30	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	04/18/22 10:15	04/18/22 13:18	7439-97-6	
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	1.8	1		04/16/22 12:26		
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	1.8	1		04/16/22 12:26		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	1.8	1		04/16/22 12:26		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Asheville							
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		04/07/22 15:39		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		04/08/22 07:11	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		04/08/22 07:11	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		04/08/22 07:11	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

QC Batch:	690039	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 3605646 Matrix: Water

Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	04/07/22 20:37	
Magnesium	mg/L	ND	0.050	0.012	04/07/22 20:37	
Potassium	mg/L	ND	0.20	0.15	04/07/22 20:37	
Sodium	mg/L	ND	1.0	0.58	04/07/22 20:37	
Zinc	mg/L	ND	0.020	0.0085	04/07/22 20:37	

LABORATORY CONTROL SAMPLE: 3605647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	102	80-120	
Magnesium	mg/L	1	1.1	106	80-120	
Potassium	mg/L	1	1.0	103	80-120	
Sodium	mg/L	1	1.0	103	80-120	
Zinc	mg/L	1	1.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3605728 3605729

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92597519001 Result	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	48.7	1	1	48.4	49.3	-27	68	75-125	2	20 M1
Magnesium	mg/L	24.4	1	1	24.7	25.4	30	102	75-125	3	20 M1
Potassium	mg/L	1.6	1	1	2.6	2.6	99	101	75-125	1	20
Sodium	mg/L	1.2	1	1	2.2	2.2	103	105	75-125	1	20
Zinc	mg/L	0.012J	1	1	1.1	1.1	105	105	75-125	1	20

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92597519

QC Batch: 690695	Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A	Analysis Description: 6020 MET
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 3609206 Matrix: Water

Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	04/11/22 16:54	
Arsenic	mg/L	ND	0.0050	0.0011	04/11/22 16:54	
Barium	mg/L	ND	0.0050	0.00067	04/11/22 16:54	
Beryllium	mg/L	ND	0.00050	0.000054	04/11/22 16:54	
Boron	mg/L	ND	0.040	0.0086	04/11/22 16:54	
Cadmium	mg/L	ND	0.00050	0.00011	04/11/22 16:54	
Chromium	mg/L	ND	0.0050	0.0011	04/11/22 16:54	
Cobalt	mg/L	ND	0.0050	0.00039	04/11/22 16:54	
Copper	mg/L	ND	0.0050	0.00050	04/11/22 16:54	
Lead	mg/L	ND	0.0010	0.00089	04/11/22 16:54	
Nickel	mg/L	ND	0.0050	0.00071	04/11/22 16:54	
Selenium	mg/L	ND	0.0050	0.0014	04/11/22 16:54	
Silver	mg/L	ND	0.0050	0.00044	04/11/22 16:54	
Thallium	mg/L	ND	0.0010	0.00018	04/11/22 16:54	
Vanadium	mg/L	ND	0.010	0.0019	04/11/22 16:54	

LABORATORY CONTROL SAMPLE: 3609207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.094	94	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.10	100	80-120	
Boron	mg/L	1	1.1	105	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.096	96	80-120	
Copper	mg/L	0.1	0.095	95	80-120	
Lead	mg/L	0.1	0.093	93	80-120	
Nickel	mg/L	0.1	0.095	95	80-120	
Selenium	mg/L	0.1	0.094	94	80-120	
Silver	mg/L	0.1	0.099	99	80-120	
Thallium	mg/L	0.1	0.093	93	80-120	
Vanadium	mg/L	0.1	0.096	96	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Parameter	Units	3609208		3609209		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Antimony	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	1	20	
Arsenic	mg/L	0.0018J	0.1	0.1	0.096	0.096	95	94	75-125	0	20	
Barium	mg/L	0.041	0.1	0.1	0.14	0.14	100	100	75-125	0	20	
Beryllium	mg/L	0.000061J	0.1	0.1	0.10	0.11	103	111	75-125	7	20	
Boron	mg/L	0.032J	1	1	1.1	1.2	102	112	75-125	9	20	
Cadmium	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Copper	mg/L	ND	0.1	0.1	0.095	0.097	94	96	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.094	0.096	94	96	75-125	2	20	
Nickel	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.094	0.096	93	96	75-125	3	20	
Silver	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92597519

QC Batch: 691983 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 3615683 Matrix: Water
Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	04/18/22 12:42	

LABORATORY CONTROL SAMPLE: 3615684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3615685 3615686

Parameter	Units	3615685		3615686		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0024	0.0037	96	148	75-125	42	20	M1,R1

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

QC Batch: 809654	Analysis Method: SM 2320B
QC Batch Method: SM 2320B	Analysis Description: 2320B Alkalinity
	Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 4296151 Matrix: Water

Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	04/16/22 10:19	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	04/16/22 10:19	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	04/16/22 10:19	

LABORATORY CONTROL SAMPLE & LCSD: 4296152 4296153

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	43.4	43.2	109	108	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4296154 4296155

Parameter	Units	10603644007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	596	40	40	638	638	104	104	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4296156 4296157

Parameter	Units	10604355001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	27.3	40	40	67.8	68.0	101	102	80-120	0	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

QC Batch: 689939	Analysis Method: SM 2540C-2011
QC Batch Method: SM 2540C-2011	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 3605276 Matrix: Water

Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	04/07/22 15:36	

LABORATORY CONTROL SAMPLE: 3605277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	262	105	90-110	

SAMPLE DUPLICATE: 3605278

Parameter	Units	92597190001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2310	1800	25	25	H1

SAMPLE DUPLICATE: 3605279

Parameter	Units	92596970004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	642	638	1	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

QC Batch: 690113	Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993	Analysis Description: 300.0 IC Anions
	Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 3606393 Matrix: Water

Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/08/22 00:47	
Fluoride	mg/L	ND	0.10	0.050	04/08/22 00:47	
Sulfate	mg/L	ND	1.0	0.50	04/08/22 00:47	

LABORATORY CONTROL SAMPLE: 3606394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.7	99	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	48.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606395 3606396

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596921010	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	12.7	50	50	64.6	64.6	104	104	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	3.0	3.0	117	117	90-110	0	10	M1	
Sulfate	mg/L	84.8	50	50	128	124	86	79	90-110	3	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606397 3606398

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596921017	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	ND	50	50	50.3	51.0	100	102	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	101	102	90-110	2	10		
Sulfate	mg/L	ND	50	50	49.5	50.4	99	101	90-110	2	10		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92597519

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

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

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92597519001	GWA-36A				
92597519001	GWA-36A	EPA 3010A	690039	EPA 6010D	690107
92597519002	FB-1	EPA 3010A	690039	EPA 6010D	690107
92597519001	GWA-36A	EPA 3005A	690695	EPA 6020B	690794
92597519002	FB-1	EPA 3005A	690695	EPA 6020B	690794
92597519001	GWA-36A	EPA 7470A	691983	EPA 7470A	692272
92597519002	FB-1	EPA 7470A	691983	EPA 7470A	692272
92597519001	GWA-36A	SM 2320B	809654		
92597519002	FB-1	SM 2320B	809654		
92597519001	GWA-36A	SM 2540C-2011	689939		
92597519002	FB-1	SM 2540C-2011	689939		
92597519001	GWA-36A	EPA 300.0 Rev 2.1 1993	690113		
92597519002	FB-1	EPA 300.0 Rev 2.1 1993	690113		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: G A Power

Project #: **WO# : 92597519**



92597519

Courier: Commercial Fed Ex Pace UPS USPS Other: Client

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 4/6/22
COH

Packing Material: Bubble Wrap Bubble Bags None Other
Thermometer: IR Gun ID: 083 Type of Ice: Wet Blue None

Biological Tissue Frozen? Yes No N/A

Cooler Temp: 3.0 Correction Factor: Add/Subtract (°C) +0.2

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil (N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	<u>W</u>	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

CLIENT NOTIFICATION/RESOLUTION

Lot ID of split containers:

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
Page 2 of 2

Issuing Authority:
Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO#: 92597519

PM: NMG

Due Date: 04/20/22

CLIENT: GA-GA Power

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFLU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		2	1			1																							
2		2	1			1																							
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: Georgia Power	Report To: Kristen Jurinko	Attention: Southern Co.
Address: 1003 Weatherstone Parkway Woodstock, GA 30188	Copy To: Rhonda Quinn	Company Name:
Email To: kevin.stephenson@resoluteenv.com	Purchase Order #:	Address:
Phone: (678) 548-9415 Fax:	Project Name: Plant Bowen Landfill Cells 3&4	Price Quote:
Requested Due Date: Standard	Project Number:	Price Project Manager: Nicole D'olio
		Price Profile #: 2928
		Regulatory Agency
		State / Location

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Requested Analytes Filtered (Y/N)	Residual Chlorine (Y/N)	pH	
			START DATE	END DATE			H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other					Metals + State Metals
1	GWA-36A		WT G	4/6/22 1146		4	3	1										
2	FB - 1		WT G	4/6/22 1220		4	3	1										
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME
William Laaker		4/6/22	1410	OWD		4/6/22	1410

State Metals include Sb, As, Ba, Be, Cd, Ca, Cr, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Co

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: William Laaker
 SIGNATURE of SAMPLER: *William Laaker*

TEMP in C _____
 Received on Ice (Y/N) _____
 Custody Sealed Cooler (Y/N) _____
 Samples Intact (Y/N) _____

May 04, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LANDFILL
Pace Project No.: 92601912

Dear Joju Abraham:

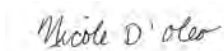
Enclosed are the analytical results for sample(s) received by the laboratory on April 29, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Michelle Barker, WOOD E&I
Kristen Jurinko
Ms. Lauren Petty, Southern Company
Rhonda Quinn, WOOD E&I
Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92601912001	GWC-5	Water	04/28/22 10:52	04/29/22 10:15
92601912002	GWC-12	Water	04/28/22 12:05	04/29/22 10:15
92601912003	GWC-48	Water	04/28/22 10:45	04/29/22 10:15
92601912004	FB-1	Water	04/28/22 12:40	04/29/22 10:15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92601912001	GWC-5	EPA 6020B	CW1	1
92601912002	GWC-12	EPA 6020B	CW1	1
92601912003	GWC-48	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1
92601912004	FB-1	EPA 6020B	CW1	2
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92601912001	GWC-5					
	Performed by	CUSTOME			04/29/22 15:15	
		R				
	pH	5.78	Std. Units		04/29/22 15:15	
EPA 6020B	Beryllium	0.00078	mg/L	0.00050	05/03/22 16:17	
92601912002	GWC-12					
	Performed by	CUSTOME			04/29/22 15:15	
		R				
	pH	6.33	Std. Units		04/29/22 15:15	
EPA 6020B	Cadmium	0.00067	mg/L	0.00050	05/03/22 16:23	
92601912003	GWC-48					
	Performed by	CUSTOME			04/29/22 15:15	
		R				
	pH	5.00	Std. Units		04/29/22 15:15	
EPA 7470A	Mercury	0.00040	mg/L	0.00020	05/03/22 13:09	
EPA 300.0 Rev 2.1 1993	Chloride	5.0	mg/L	1.0	04/30/22 14:13	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Sample: GWC-5		Lab ID: 92601912001		Collected: 04/28/22 10:52		Received: 04/29/22 10:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		04/29/22 15:15		
pH	5.78	Std. Units			1		04/29/22 15:15		
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Beryllium	0.00078	mg/L	0.00050	0.000054	1	05/03/22 10:14	05/03/22 16:17	7440-41-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Sample: GWC-12		Lab ID: 92601912002		Collected: 04/28/22 12:05	Received: 04/29/22 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	CUSTOMER				1		04/29/22 15:15		
pH	6.33	Std. Units			1		04/29/22 15:15		
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Cadmium	0.00067	mg/L	0.00050	0.00011	1	05/03/22 10:14	05/03/22 16:23	7440-43-9	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Sample: GWC-48 **Lab ID: 92601912003** Collected: 04/28/22 10:45 Received: 04/29/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	CUSTOMER				1		04/29/22 15:15		
pH	5.00	Std. Units			1		04/29/22 15:15		
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	0.00040	mg/L	0.00020	0.00013	1	05/03/22 08:00	05/03/22 13:09	7439-97-6	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	5.0	mg/L	1.0	0.60	1		04/30/22 14:13	16887-00-6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Sample: FB-1		Lab ID: 92601912004		Collected: 04/28/22 12:40	Received: 04/29/22 10:15	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Beryllium	ND	mg/L	0.00050	0.000054	1	05/03/22 10:14	05/03/22 16:29	7440-41-7		
Cadmium	ND	mg/L	0.00050	0.00011	1	05/03/22 10:14	05/03/22 16:29	7440-43-9		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/03/22 08:00	05/03/22 13:11	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		04/30/22 14:27	16887-00-6		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LANDFILL
Pace Project No.: 92601912

QC Batch: 695563 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92601912001, 92601912002, 92601912004

METHOD BLANK: 3632873 Matrix: Water
Associated Lab Samples: 92601912001, 92601912002, 92601912004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Beryllium	mg/L	ND	0.00050	0.000054	05/03/22 14:49	
Cadmium	mg/L	ND	0.00050	0.00011	05/03/22 14:49	

LABORATORY CONTROL SAMPLE: 3632874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	mg/L	0.1	0.10	101	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3632875 3632876

Parameter	Units	92595615001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Beryllium	mg/L	0.063J ug/L	0.1	0.1	0.10	0.10	101	102	75-125	0	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.11	101	106	75-125	5	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LANDFILL
Pace Project No.: 92601912

QC Batch: 695457 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92601912003, 92601912004

METHOD BLANK: 3632603 Matrix: Water
Associated Lab Samples: 92601912003, 92601912004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	05/03/22 12:16	

LABORATORY CONTROL SAMPLE: 3632604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3632605 3632606

Parameter	Units	3632605		3632606		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92600073002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/L	ND	0.0025	0.0025	0.00099	0.00089	39	35	75-125	10	20 M1

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LANDFILL

Pace Project No.: 92601912

QC Batch: 695206	Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993	Analysis Description: 300.0 IC Anions
	Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92601912003, 92601912004

METHOD BLANK: 3631421 Matrix: Water

Associated Lab Samples: 92601912003, 92601912004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/30/22 13:45	

LABORATORY CONTROL SAMPLE: 3631422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3631423 3631424

Parameter	Units	92601535009		3631424		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	92.1	50	50	123	123	63	61	90-110	1	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3631425 3631426

Parameter	Units	92601782003		3631426		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	1.7	50	50	53.9	54.7	104	106	90-110	1	10

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: BOWEN LANDFILL

Pace Project No.: 92601912

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE


Project: BOWEN LANDFILL

Pace Project No.: 92601912

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92601912001	GWC-5				
92601912002	GWC-12				
92601912003	GWC-48				
92601912001	GWC-5	EPA 3005A	695563	EPA 6020B	695646
92601912002	GWC-12	EPA 3005A	695563	EPA 6020B	695646
92601912004	FB-1	EPA 3005A	695563	EPA 6020B	695646
92601912003	GWC-48	EPA 7470A	695457	EPA 7470A	695609
92601912004	FB-1	EPA 7470A	695457	EPA 7470A	695609
92601912003	GWC-48	EPA 300.0 Rev 2.1 1993	695206		
92601912004	FB-1	EPA 300.0 Rev 2.1 1993	695206		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: November 15, 2021 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.08	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: 92601912

Courier: Fed Ex UPS USPS Client
 Pace Other: _____



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 4/29/22
COJ

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 214 Type of Ice: Wet Blue None

Cooler Temp: 3.3 Correction Factor: Add/Subtract (°C) +0.1

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.4

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	
-Includes Date/Time/ID/Analysis Matrix:	<u>W</u>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.
 F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project #

WO# : 92601912

PM: NMG

Due Date: 05/06/22

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Company: Georgia Power - Coal Combustion Residuals Address: 2480 Marner Road Atlanta, GA 30339 Email: klumink@southemco.com Phone: 4708990633 Fax: Requested Due Date: 5 Day TAT

Section B Required Project Information: Report To: Kristen Juniko, Florida Guinn Copy To: Purchase Order #: Project Name: Plant Bowen Landfill Project #:

Section C Invoice Information: Attention: Company Name: Address: Face Guide: Face Project Manager: Pace Profile #: 315 GA

Page : 1 Of 1

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Y/N	Requested Analysis Returned (Y/N)	Residual Chlorine (Y/N)	PH
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					
1	GWC-5	DW	4/23/22	1052		1												PH 5.78
2	GWC-12	WW	4/23/22	1205		1												PH 6.33
3	GWC-48	SL	4/23/22	1045		2												PH 5.00
4	FB-1	WP	4/23/22	1240		2												
5		AR																
6		OT																
7		TS																
8																		
9																		
10																		
11																		
12																		

ADDITIONAL COMMENTS

REACQUIRED BY / AFFILIATION: William Leaker DATE: 4/29/22 TIME: 1015

ACCEPTED BY / AFFILIATION: Ryan W. Williams DATE: 4/29/22 TIME: 1015

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: William Leaker Meredith Duncan Kevin Stephenson

SIGNATURE of SAMPLER: *[Signatures]* DATE signed: 4/28/22

TEMP in C: _____

Received on Ice (Y/N): _____

Custody Sealed Cooler (Y/N): _____

Samples Intact (Y/N): _____



**ALTERNATE SOURCE DEMONSTRATION FOR
SULFATE AND TOTAL DISSOLVED SOLIDS
AUGUST 2022 SEMI-ANNUAL EVENT**

Plant Bowen

Cells 1 & 2

Cells 3 & 4

Cells 9 & 10

Solid Waste Disposal Facility

Permit No. 008-018D (CCR)

May 1, 2023

Prepared for:




Prepared by:

Stantec Consulting Services Inc.
10745 Westside Way, Suite 250
Alpharetta, Georgia 30009-7640

**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

CERTIFICATION STATEMENT

This Alternate Source Demonstration was completed in accordance with Georgia Environmental Protection Division's Solid Waste Rules (Chapter 391-3-4-.10) by a qualified groundwater scientist with Stantec Consulting Services Inc. References to the appropriate Georgia Solid Waste Management 391-3-4 Rules are incorporated throughout this document.



Jennifer Kolbe, Ph.D., P.E.
Registered Professional Engineer
Professional Engineer No. PE034643



May 1, 2023
Date

PROFESSIONAL GROUNDWATER SCIENTIST CERTIFICATION

I certify that I am a qualified groundwater scientist as demonstrated by Georgia state registered professional geologist certification. I have sufficient training and experience in groundwater hydrology and related fields to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this Alternate Source Demonstration was completed in accordance with Georgia Environmental Protection Division's Solid Waste Rules (Chapter 391-3-4-.10)


Josh Massey, P.G.
Registered Professional Geologist
Georgia Registration No. 002187



May 1, 2023
Date



Table of Contents

ACRONYMS / ABBREVIATIONS	III
1 INTRODUCTION.....	1.1
1.1 Purpose.....	1.1
1.2 Site Description and Background.....	1.1
1.3 Site Geology and Hydrogeologic Setting	1.2
2 ALTERNATE SOURCE DEMONSTRATION	2.1
3 CONCLUSIONS.....	3.1
4 REFERENCES.....	4.1

LIST OF TABLES

Table 1	Summary of August 2022 Statistical Exceedances Not Previously Addressed in an ASD
---------	---

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Detection Monitoring System
Figure 3	Piper Diagram
Figure 4a	Stiff Diagrams - Upgradient Wells
Figure 4b	Stiff Diagrams - Upgradient Wells and GWC-23R
Figure 5	Potentiometric Surface – Overburden Wells August 2022
Figure 6	Potentiometric Surface – Bedrock Wells August 2022
Figure 7	Sulfate Concentration Versus Time Plot
Figure 8	Total Dissolved Solids Concentration Versus Time Plot

LIST OF APPENDICES

Appendix A	Laboratory Analytical Reports
Appendix B	Boring Logs



Acronyms / Abbreviations

ASD	Alternate Source Demonstration
CCR	Coal Combustion Residual
CCR Rule	Title 40 Code of Federal Regulations 257 Subpart D
CFR	Code of Federal Regulations
D&O	Design & Operation
GA EPD	Georgia Environmental Protection Division
GPC	Georgia Power Company
mg/L	milligrams per liter
Site	Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
SSI	Statistically Significant Increase
TDS	total dissolved solids
USEPA	United States Environmental Protection Agency



1 Introduction

1.1 Purpose

This document presents an alternate source demonstration (ASD) for the statistically significant increases (SSIs) of sulfate and total dissolved solids (TDS) detected in compliance well GWC-23R located at Georgia Power Company's (Georgia Power) Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10. These SSIs were identified based on statistical evaluation of the groundwater quality data set through August 2022 and reported in the 2022 Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10, dated January 31, 2023 (2022 Annual Report; Stantec, 2022).

This ASD has been prepared pursuant to Title 40 Code of Federal Regulations (CFR) 257.94(e)(2) as adopted in Rule 391-3-4-.10(6) of the Georgia Environmental Protection Division (GA EPD) Solid Waste Rules (Chapter 391-3-4-.10), which states that "the owner or operator may demonstrate that a source other than the unit caused the contamination or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality." This language is consistent with the requirements of the United States Environmental Protection Agency (USEPA) coal combustion residual (CCR) rule [Title 40 CFR 257 Subpart D] (CCR Rule) stipulated in 40 CFR 257.94(e)(2), which has been incorporated by reference into the GA EPD Rules for Solid Waste Management Rule 391-3-4-.10(23)(c) of the Georgia Administrative Code. The Georgia Power Plant Bowen solid waste disposal facility (Site) is operated in accordance with GA EPD Solid Waste Permit No. 008-018D (CCR).

1.2 Site Description and Background

The Site is located in south Bartow County, Georgia, off State Highway 113, approximately seven miles west-southwest of Cartersville and 20 miles southeast of Rome (Figure 1). The Site is approximately 300 acres in size and located on previously undeveloped land contiguous with the plant property. The Site receives coal combustion by-products from coal-burning and flue gas desulfurization processes. The landfill cells were constructed in accordance with Solid Waste Permit No. 008-018D (LI) and approved under CCR permit No. 008-018D (CCR). The landfill is constructed with a minimum of 15 feet of compacted structural fill below base grades and a groundwater separation requirement of 15 feet from bottom of waste per site limitation 9. The liner includes 2 feet of compacted fill with 10^{^-7}K, a 60mil HPDE liner, and a leachate collection system.

Groundwater monitoring is conducted in accordance with the permit requirements specified in the Design and Operation Plan and in accordance with the USEPA CCR Rule, which was adopted by GA EPD in November 2016, and the GA EPD Rules for Solid Waste Management 391-3-4-.10. This includes semi-annual groundwater sampling and continuous groundwater level measurements at the Site. The Site is currently in detection monitoring. The locations of the detection wells included in the groundwater monitoring system are presented on Figure 2.



1.3 Site Geology and Hydrogeologic Setting

The lithologies present in the landfill area of Plant Bowen from the ground surface to depth are terrace deposits, a residuum clay overburden, dolomite, and limestone bedrock, as described in the Hydrogeologic Report and Groundwater Monitoring Plan (Southern Company Services [SCS] 2006). The Knox Group (dolomite and limestone bedrock) produces a characteristic orange to red clayey residuum (overburden) that ranges in thickness from 19 to 127 feet across the Site and often contains weathered chert and dolomite fragments. Silt and clay with some gravel and sand (terrace deposits) overlay the clayey residuum in some areas but are not continuous across the landfill area of Plant Bowen.

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



2 Alternate Source Demonstration

Stantec Consulting Services Inc. evaluated the SSIs of sulfate and TDS identified at monitoring well GWC-23R based on statistical analyses of the August 2022 semi-annual groundwater monitoring data and resampling data in November 2022. The statistical analysis of the August 2022 data was performed in accordance with the USEPA document *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009).

Sulfate and Total Dissolved Solids ASD

Upgradient well GWA-56 and downgradient well GWC-23R are screened in dolomite bedrock of the Knox Group based on a review of available boring logs for each well (Appendix B). Sulfate and TDS were detected in well GWC-23R at initial concentrations of 143 milligrams per liter (mg/L) and 586 mg/L, respectively, in August 2022. Reported analytical results for sulfate and TDS concentrations for the resampling event conducted in November 2022 were 137 mg/L and 573 mg/L, respectively (Table 1). Based on review of available Site data, the SSIs reported for sulfate and TDS at well GWC-23R are not associated with a release from the Site and are due to natural variations in background water quality based on the following supporting information explained in detail below:

- Typical CCR Rule Appendix III indicator parameters boron, chloride, fluoride, and pH are historically not detected or detected in very low concentrations in well GWC-23R.
- An evaluation of site groundwater geochemistry demonstrates similarity of water quality between GWC-23R and upgradient wells, specifically GWA-56.
- Decreasing concentrations of water levels contrast with increasing sulfate and TDS concentrations in GWC-23R since 2020. Concentrations for sulfate and TDS decreased over the last 2 sampling events.
- Statistical evaluation of the most current groundwater data set that includes the February 2023 detection monitoring event does not identify an SSI of sulfate at GWC-23R.

Lack of Indicator Appendix III Parameters Boron, Chloride, Fluoride, pH:

Typical CCR Rule Appendix III indicator parameters boron, chloride, fluoride, and pH are historically not detected or detected in very low concentrations in well GWC-23R.

- Most notably, the mobile and sensitive CCR indicator, boron, has not been detected above the laboratory reporting limit (0.04 mg/L) in GWC-23R based on sampling data collected between 2016 to 2022.
- Background range of chloride since 2016 in Cell 3 & 4 upgradient rock wells (GWA-36R, GWA-51RZ, GWA-53R, GWA-55R and GWA-56) is 2.2 mg/L to 8.4 mg/L for Cells 3 and 4. Chloride in GWC-23R has been detected at lower concentrations than the upgradient rock well background concentrations, ranging from 1.3 mg/L to 2.4 mg/L, since 2016.
- Fluoride has not been detected above the laboratory reporting limit (0.1 mg/L) in GWC-23R based on sampling data collected between 2016 to 2022.



**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

Background range of pH in Cell 3 & 4 upgradient rock wells (GWA-36R, GWA-51RZ, GWA-53R, GWA-55R and GWA-56) is 7.01 to 8.34. pH in GWC-23R has ranged from 7.07 to 7.78 since 2016, which is within upgradient rock well background values. No CCR shifts in pH from background are noted.

Geochemical Characterization

Geochemical characterization of groundwater quality data displays little difference between upgradient wells, especially GWA-56, and downgradient well GWC-23R water quality, demonstrating the sulfate and TDS fluctuations are associated with natural variability in groundwater flow and not associated with a release from the landfill. A suite of cations and anions were sampled in January-February 2022 from the entire Site groundwater monitoring system and included in the 2022 Annual Monitoring and Corrective Action Report. Laboratory analytical reports are provided in Appendix A. Constituents released from CCR shift the relative and absolute abundances of cations and anions away from background conditions. These shifts become apparent as plots on Piper and Stiff diagrams. The plotted location of each cation or anion on a Piper diagram indicates its ionic composition. The size of each Stiff diagram corresponds to overall ionic strength, and the shape of the Stiff diagram reflects ratios of cations and anions. A CCR impact, characteristically, increases the ionic strength and shifts ratios away from background. Cation and anion distributions in groundwater from upgradient wells and GWC-23R are depicted on Piper and Stiff diagrams on Figures 3 and 4a/4b, respectively.

The Piper diagram on Figure 3 shows that there are four different water types displayed by the upgradient and downgradient groundwater data and that the types generally comingle. The first water type contains calcium- and magnesium-dominant cations with bicarbonate as the dominant anion and is indicative of average baseline water quality in upgradient wells GWA-52, GWA-54, GWA-36RA, GWA-51RZ, GWA-53, GWA-53R, GWA-55. The TDS results at these upgradient wells are similar. The second and third water types are found at upgradient locations GWA-37 and GWA-38, respectively. Dominant ions in GWA-37 are sodium and bicarbonate with a slight presence of chloride anion. GWA-38 contains potassium, chloride, and bicarbonate. Both GWA-37 and GWA-38 have very low TDS, which is indicative of water type with little influence from the soil and bedrock. The fourth water type is a dominant mixture of calcium, magnesium, and sodium with bicarbonate at GWA-56 and GWC-23R.

Stiff diagrams in Figures 4a and 4b generally support the water types derived from the Piper plots in Figure 3. Background water quality is generally consistent with typical carbonate dissolution reactions in natural water, where bicarbonate is the dominant ionic product of carbonic acid from meteoric water reacting with calcium/magnesium carbonate aquifer material at a pH in the range of 4-9 standard units (Fetter, pages 356-357). However, the sulfate concentration relative to background in upgradient well GWA-56 at 42.9 mg/L indicates that sulfate-rich water originated from carbonate aquifer materials containing evaporite salts of sodium, calcium, or magnesium upgradient from Cells 3 & 4 (United States Geological Survey Water Supply Paper 1619-FF, page FF24 1963). Downgradient well GWC-23R receives the same sulfate- and sodium-rich water type observed in GWA-56 as shown in groundwater flow direction from Figures 5 and 6.

Response to Water Level Changes

Decreasing concentrations of water levels contrast with increasing sulfate and TDS concentrations in GWC-23R since 2020. Plots of sulfate and TDS detections versus time in GWC-23R use analytical data from sampling events in 2016 to February 2023. Plot of sulfate versus time is shown in Figure 7 and plot



**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

of TDS versus time is shown in Figure 8. Groundwater elevations for GWC-23R are also shown in Figures 7 and 8.

Gauging events in March 2019 and February 2020 indicate increases in groundwater elevation for GWC-23R. After March 2020, the water level decreased 7.5 feet during the September 2020 gauging event resulting in an increase in sulfate (which affects TDS). Water level increases and stabilizes from December 2020 to July 2021, resulting in decreased sulfate. Groundwater level begins to decline in each well around July 2021. An increasing inverse trend in concentration of sulfate and TDS is noted in GWC-23R from June 2021 to November 2022. Recently, the February 2023 water level increased 3.55 feet resulting in a decline in sulfate and thus TDS. Evaluation of the February 2023 groundwater data set indicates the sulfate detection of 86.7 mg/L at GWC-23R is below the current prediction limit (124 mg/L).



3 Conclusions

The sulfate and TDS concentrations reported for well GWC-23R were verified as SSIs during the semi-annual groundwater detection monitoring event conducted in August 2022. This ASD demonstrates that the SSIs of sulfate and TDS at GWC-23 are attributed to natural variation, and not a release from Landfill Cells 3 & 4. Lines of evidence that supports the ASD conclusion include:

- Typical CCR Rule Appendix III indicator parameters boron, chloride, fluoride, and pH are historically not detected or detected in very low concentrations in well GWC-23R.
- Site groundwater geochemistry demonstrates similarity of water quality between GWC-23R and upgradient wells, specifically GWA-56.
- Decreasing concentrations of water levels contrast with increasing sulfate and TDS concentrations in GWC-23R since 2020. Concentrations for sulfate and TDS decreased over the last 2 sampling events.
- Statistical evaluation of the most current groundwater data set that includes the February 2023 detection monitoring event does not identify an SSI of sulfate at GWC-23R.

Based on the information presented in this ASD, groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, 9 & 10 will remain in detection monitoring.



4 References

Fetter, CW, 2001. Applied Hydrogeology, 4th Edition, Prentice-Hall, Incorporated, Upper Saddle River, New Jersey.

United States Environmental Protection Agency (US EPA), 2009. Unified Guidance, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. USEPA 350/R-09/007 Office of Solid Waste Management Division, U.S. Environmental Protection Agency, Washington, D. C. March 2009.

United States Geological Survey 1963, Geology and Ground-Water Resources of Bartow County Georgia, Geologic Survey Water-Supply 1619-FF, 1963.

Southern Company Services, Inc. 2006. Plant Bowen Coal Combustion By-Product Disposal Facility-Hydrogeologic Report and Groundwater Monitoring Plan – Revision 1.

Stantec Consulting Services Inc. (Stantec), 2022. August 2022 Annual Groundwater Monitoring & Corrective Action Report, Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10. Published January 31, 2023.



**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

TABLE



TABLE 1
Summary of August 2022 Statistical Exceedances
Not Previously Addressed in An ASD

Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, and 9&10
Bartow County, Georgia

Cell	Well	Parameter	SSI During Previous Monitoring Event (January 2022)	Initial Exceedance Concentration (August 2022)(mg/L)	Resample Exceedance Concentration (November 2022)(mg/L)	Prediction Limit (mg/L)	Initial Exceedance SSI
Cell 3 & 4	GWC-23R	Sulfate	No	143	137	124	Yes
Cell 3 & 4	GWC-23R	Total Dissolved Solids	No	586	573	480.8	Yes

Notes:

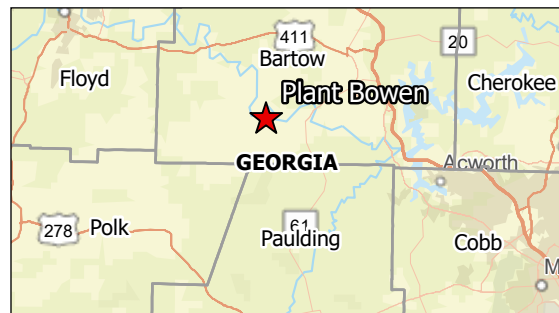
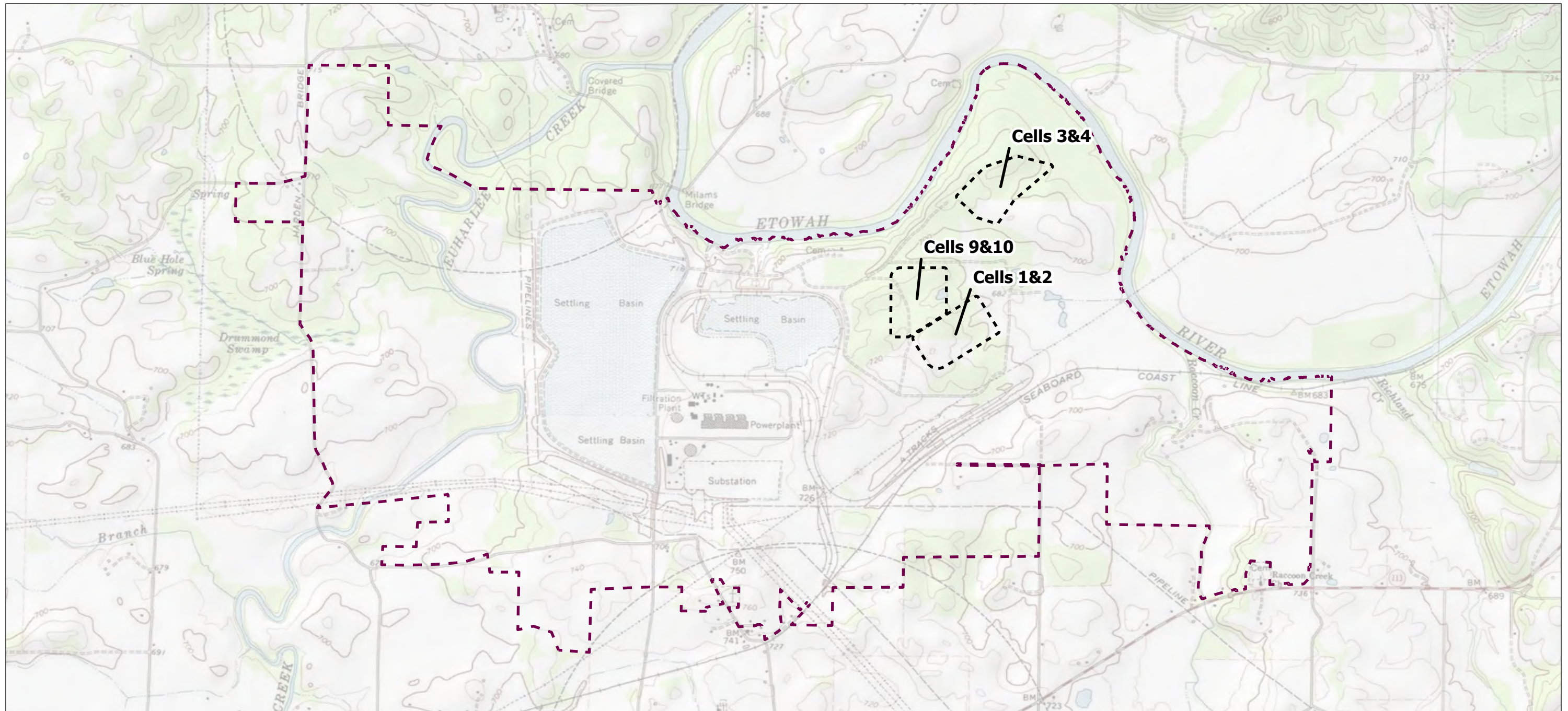
ASD - Alternate Source Demonstration

SSI - Statistically Significant Increase

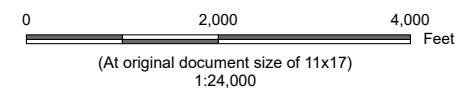
mg/L - milligrams per liter

FIGURES





- Legend**
- Approximate Plant Boundary
 - Approximate Landfill Cell Boundary (Site)



Project Location
Euharlee, Georgia

Prepared by DMB on 9/28/2022
TR by MP on 9/28/2022
IR by MD on 9/28/2022

Client/Project
Georgia Power
Alternate Source Demonstration for Total Dissolved Solids and Sulfate - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
1

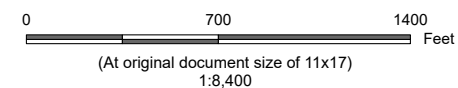
Title
Site Location Map

Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Site and Landfill Boundaries provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Background: Copyright © 2013 National Geographic Society, i-cubed, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS



- Legend**
- Detection Monitoring Well (Overburden)
 - Water Level Piezometer (Overburden)
 - Detection Monitoring Well (Bedrock)
 - Water Level Piezometer (Bedrock)
 - Ephemeral Spring Location
 - Detection Monitoring Well (Subject of ASD)
 - Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)

GWA-36 abandoned 3/15/2022.
 GWA-4 abandoned 3/14/2022.
 GWA-36A installed 3/18/2022.
 GWA-51RZ abandoned 12/2022.
 GWA-52 abandoned 12/2022.
 GWA-53 abandoned 12/2022.
 GWA-53R abandoned 12/2022.
 GWA-54 abandoned 12/2022.
 GWA-55 abandoned 12/2022.
 GWA-55R abandoned 12/2022.
 GWA-56 abandoned 12/2022.



Project Location
 Euharlee, Georgia

Prepared by DMB on 4/4/2023
 TR by BS on 4/4/2023
 IR by MD on 4/4/2023

Client/Project
 Georgia Power
 Alternate Source Demonstration for Sulfate and Total Dissolved Solids – Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

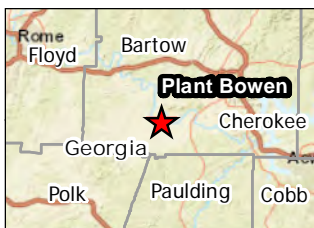
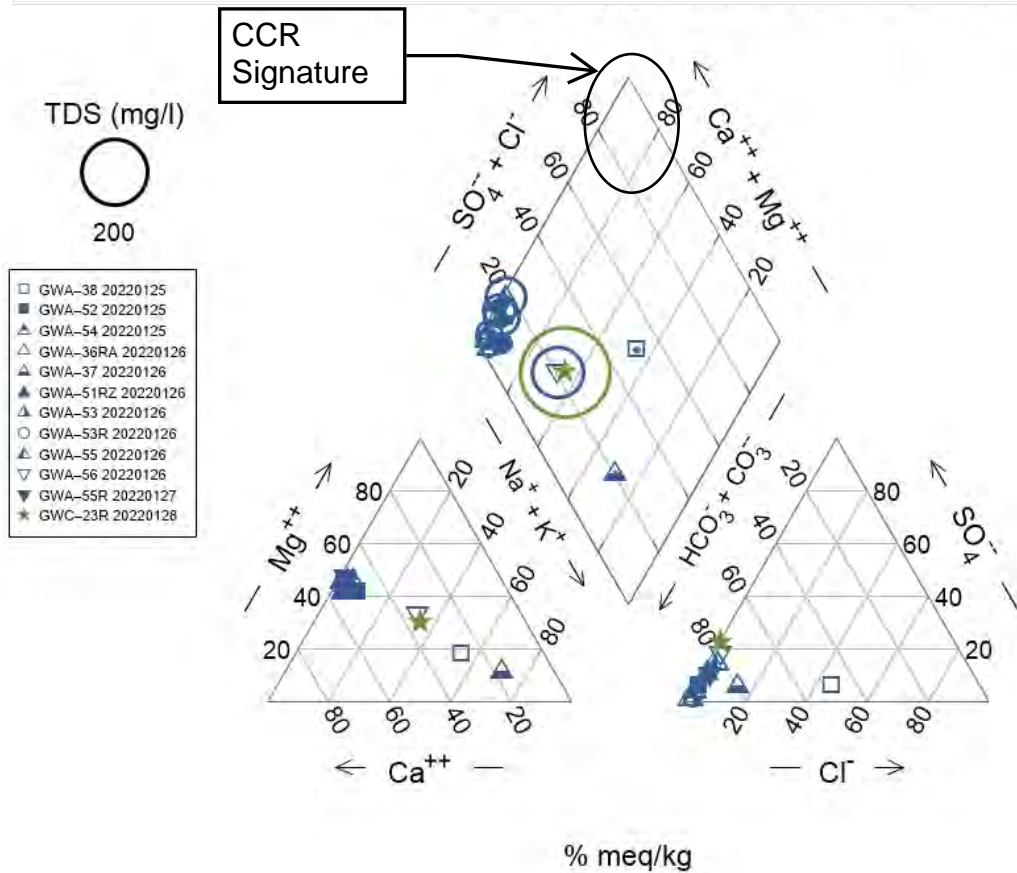
Figure No.

2

Title
Detection Monitoring System

Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Landfill Boundaries, Site Boundary, and Monitoring Well locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Plant imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS

Bowen Cells 3 & 4 Upgradient and GWC 23R



Notes

1. % meq/kg - Percent milliequivalent per kilogram
2. Ca⁺⁺ - Calcium
3. Cl⁻ - Chloride
4. CO₃⁻ - Carbonate
5. HCO₃⁻ - Bicarbonate
6. K⁺ - Potassium
7. Mg⁺⁺ - Magnesium
8. Na⁺ - Sodium
9. SO₄⁻ - Sulfate

Legend

- Upgradient Cells 3 & 4 Wells
- GWC-23R
- Total Dissolved Solids (TDS)

Notes

1. Coordinate System:
2. Data Sources:
3. Background Location Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Project Location
Euharlee, Georgia

Prepared by DMB on 2023-02-16
TR by BS on 2023-02-16
IR Review by RB on 2023-02-16

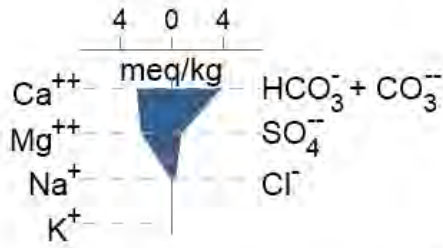
Client/Project

Georgia Power
Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
3

Title
Piper Diagram

Upgradient Wells



GWA-55 1/26/2022

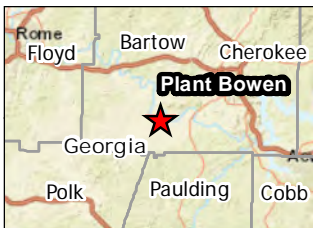
GWA-36RA 1/26/2022

GWA-38 1/25/2022

GWA-52 1/25/2022

GWA-54 1/25/2022

GWA-37 1/26/2022



Notes

1. % meq/kg - Percent milliequivalent per kilogram
2. Ca⁺⁺ - Calcium
3. Cl⁻ - Chloride
4. CO₃⁻⁻ - Carbonate
5. HCO₃⁻ - Bicarbonate
6. K⁺ - Potassium
7. Mg⁺⁺ - Magnesium
8. Na⁺ - Sodium
9. SO₄⁻⁻ - Sulfate

Notes

1. Coordinate System:
2. Data Sources:
3. Background Location Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



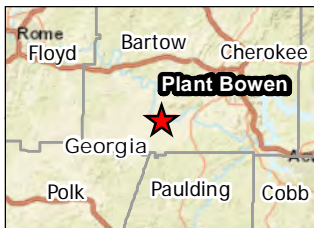
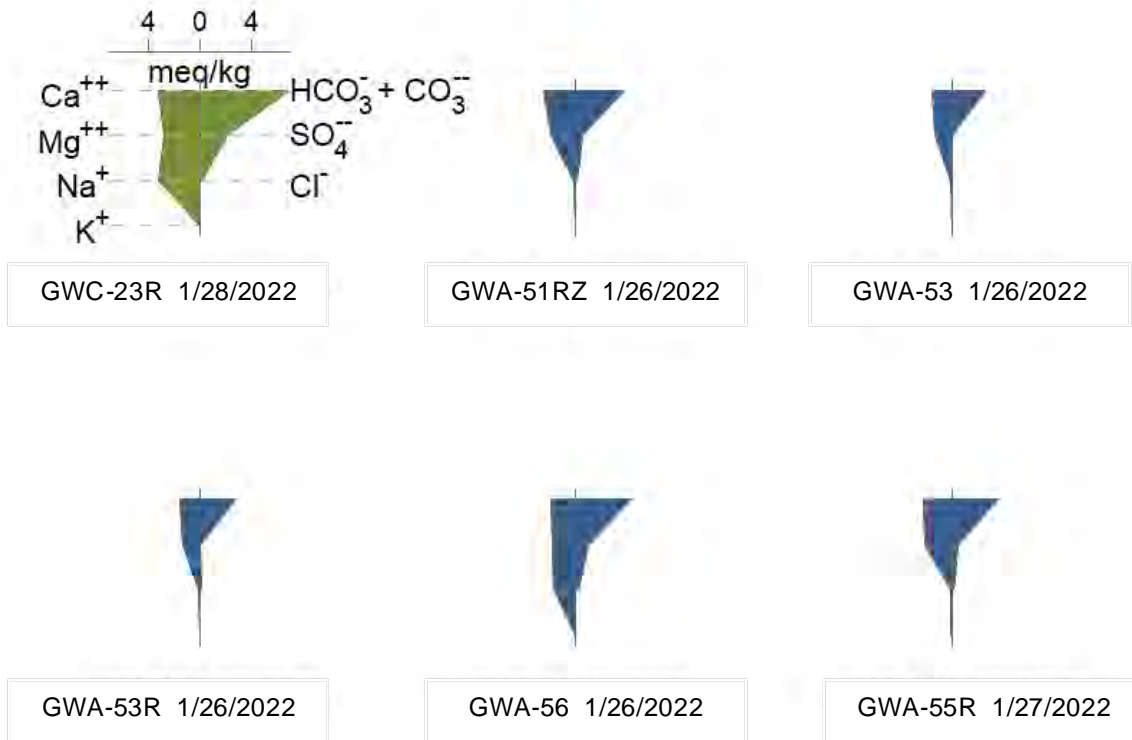
Project Location: Euharlee, Georgia
 Prepared by DMB on 2023-02-16
 TR by BS on 2023-02-16
 IR Review by RB on 2023-02-16

Client/Project: Georgia Power
 172678190
 Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
4a

Title
Stiff Diagrams - Upgradient Wells

Upgradient Wells and GWC-23R



Notes

1. % meq/kg - Percent milliequivalent per kilogram
2. Ca⁺⁺ - Calcium
3. Cl⁻ - Chloride
4. CO₃⁻ - Carbonate
5. HCO₃⁻ - Bicarbonate
6. K⁺ - Potassium
7. Mg⁺⁺ - Magnesium
8. Na⁺ - Sodium
9. SO₄⁻ - Sulfate

Notes

1. Coordinate System:
2. Data Sources:
3. Background Location Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Project Location
Euharlee, Georgia

Prepared by DMB on 2023-02-16
TR by BS on 2023-02-16
IR Review by RB on 2023-02-16

Client/Project

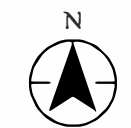
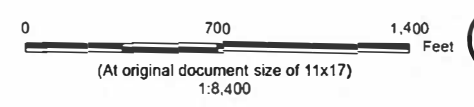
Georgia Power
Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
4b

Title
Stiff Diagrams - Upgradient Wells & GWC-23R



- Legend**
- ⊕ Detection Monitoring Well (Overburden)
 - ▲ Water Level Piezometer (Overburden)
 - Potentiometric Surface Contour Aug 2022 (feet (ft) NAVD88)
 - Interpreted Groundwater Flow Direction
 - Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)



Project Location
Euharlee, Georgia

Prepared by CA on 1/19/2023
TR by MP on 1/19/2023
IR by MD on 1/19/2023

Client/Project
Georgia Power
Alternate Source Demonstration for Total Dissolved Solids and Sulfate - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

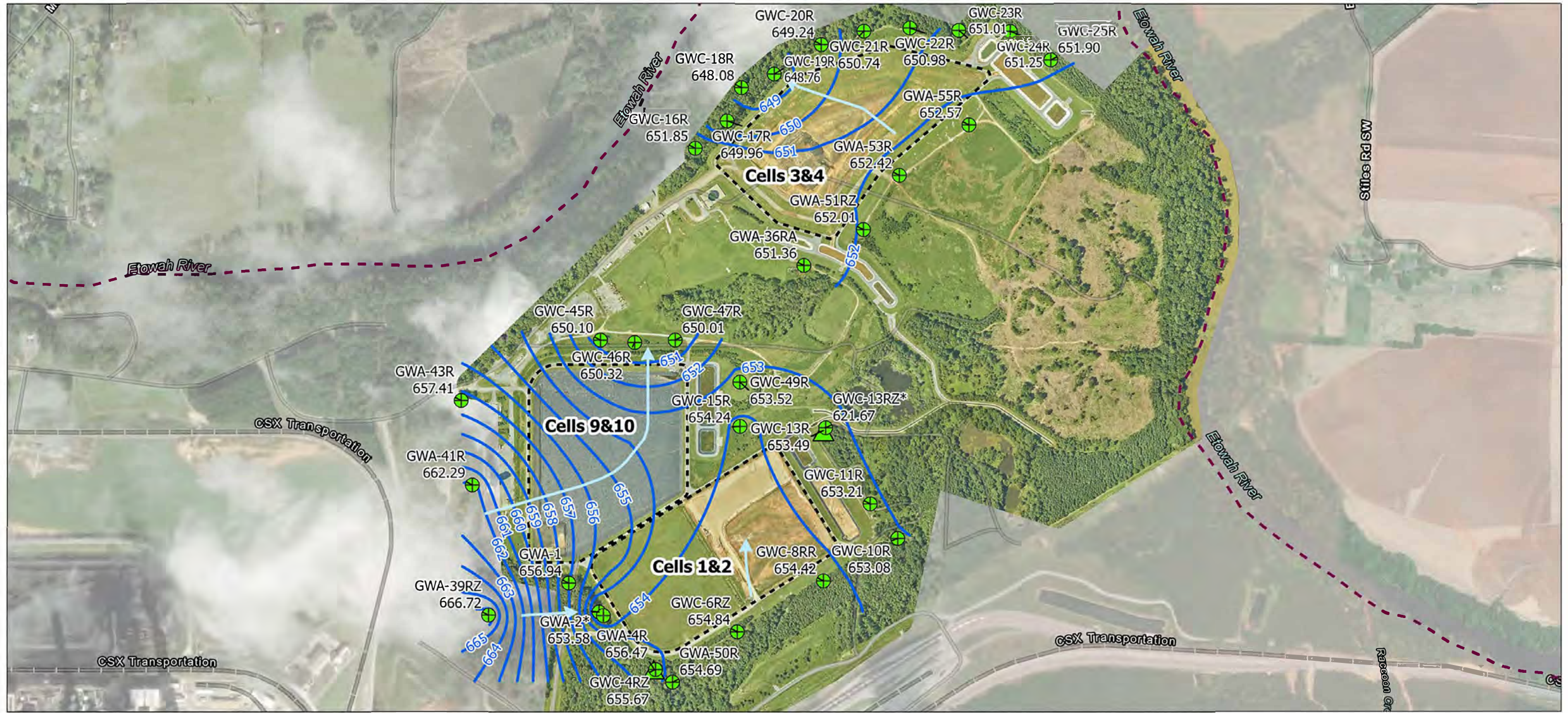
Figure No.
5

Title
Potentiometric Surface - Overburden Wells August 2022

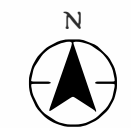
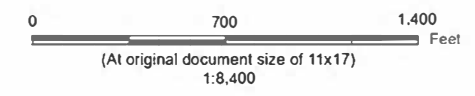
Notes

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Landfill Boundaries, Site Boundary, Monitoring Well, Flow Arrow, and Contour locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Plant Imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, MET/NASA, USGS, EPA, NPS, US Census Bureau, USDA. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, MET/NASA, USGS, EPA, NPS

669.35 Groundwater Elevation (ft NAVD88)
* Indicates groundwater elevation in wells GWA-3A and GWA-38 were not used in contouring.




- Legend**
- Detection Monitoring Well (Bedrock)
 - ▲ Water Level Piezometer (Bedrock)
 - Potentiometric Surface Contour Aug 2022 (feet (ft) NAVD88)
 - Interpreted Groundwater Flow Direction
 - Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)




Notes

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Landfill Boundaries, Site Boundary, Monitoring Well, Flow Arrow, and Contour locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Plant Imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc. MET/NASA, USGS, EPA, NPS, US Census Bureau, USDA. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, MET/NASA, USGS, EPA, NPS

668.54 Groundwater Elevation (ft NAVD88)
 * Indicates groundwater elevation in well GWC-13RZ was not used in contouring.



Stantec



Georgia Power

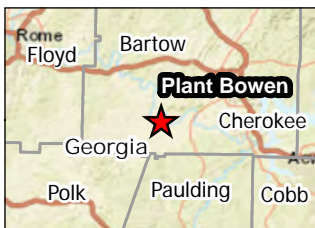
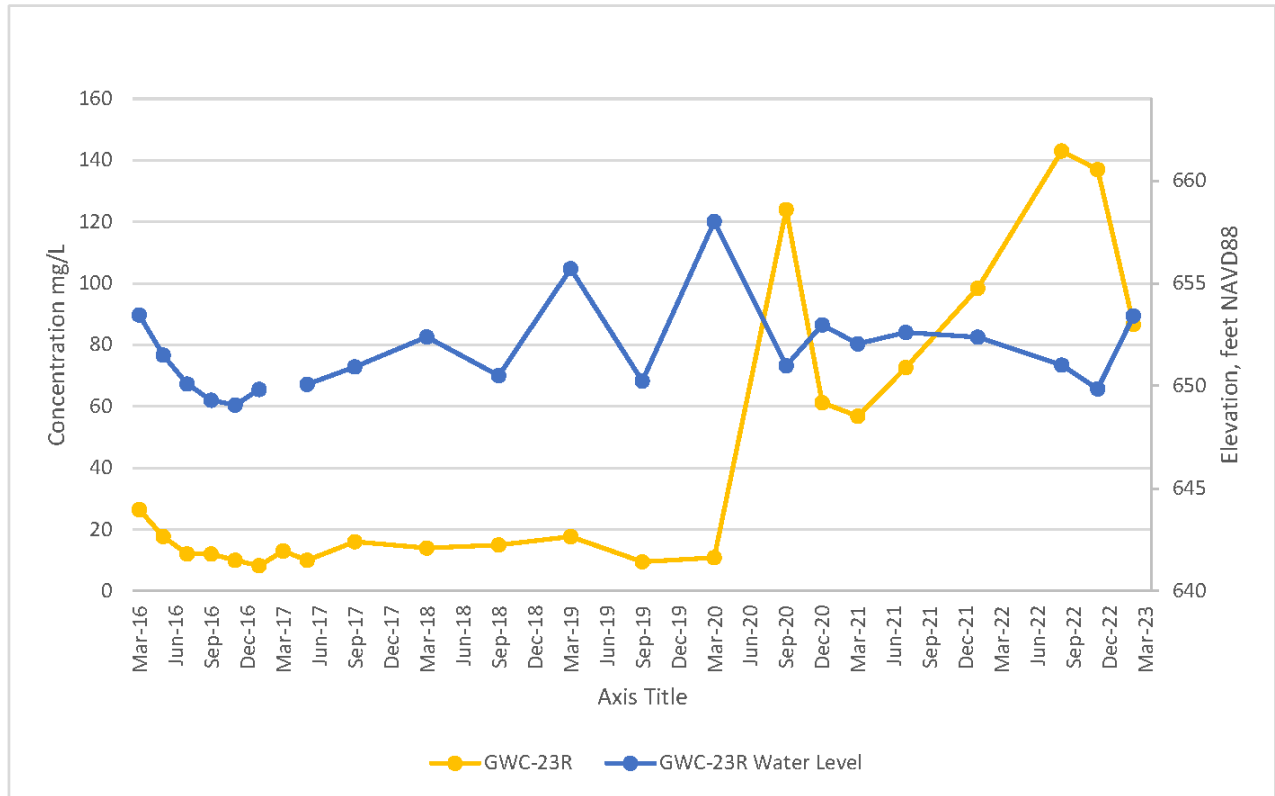
Project Location
Euharlee, Georgia

Client/Project
Georgia Power
Alternate Source Demonstration for Total Dissolved Solids and Sulfate - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
6

Title
Potentiometric Surface - Bedrock Wells August 2022

Prepared by CA on 1/19/2023
TR by MP on 1/19/2023
IR by MD on 1/19/2023
172678190



Notes

- 1. mg/L - milligrams per liter
- 2. GWA-56 abandoned 12/2022

Notes

- 1. Coordinate System:
- 2. Data Sources:
- 3. Background Location Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Project Location: Euharlee, Georgia
 Prepared by DMB on 2023-04-19
 TR by BS on 2023-04-19
 IR Review by RB on 2023-04-19

Client/Project: Georgia Power 172678190

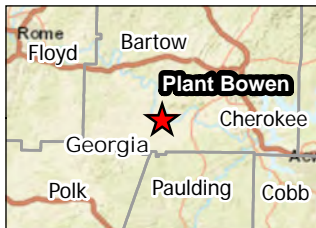
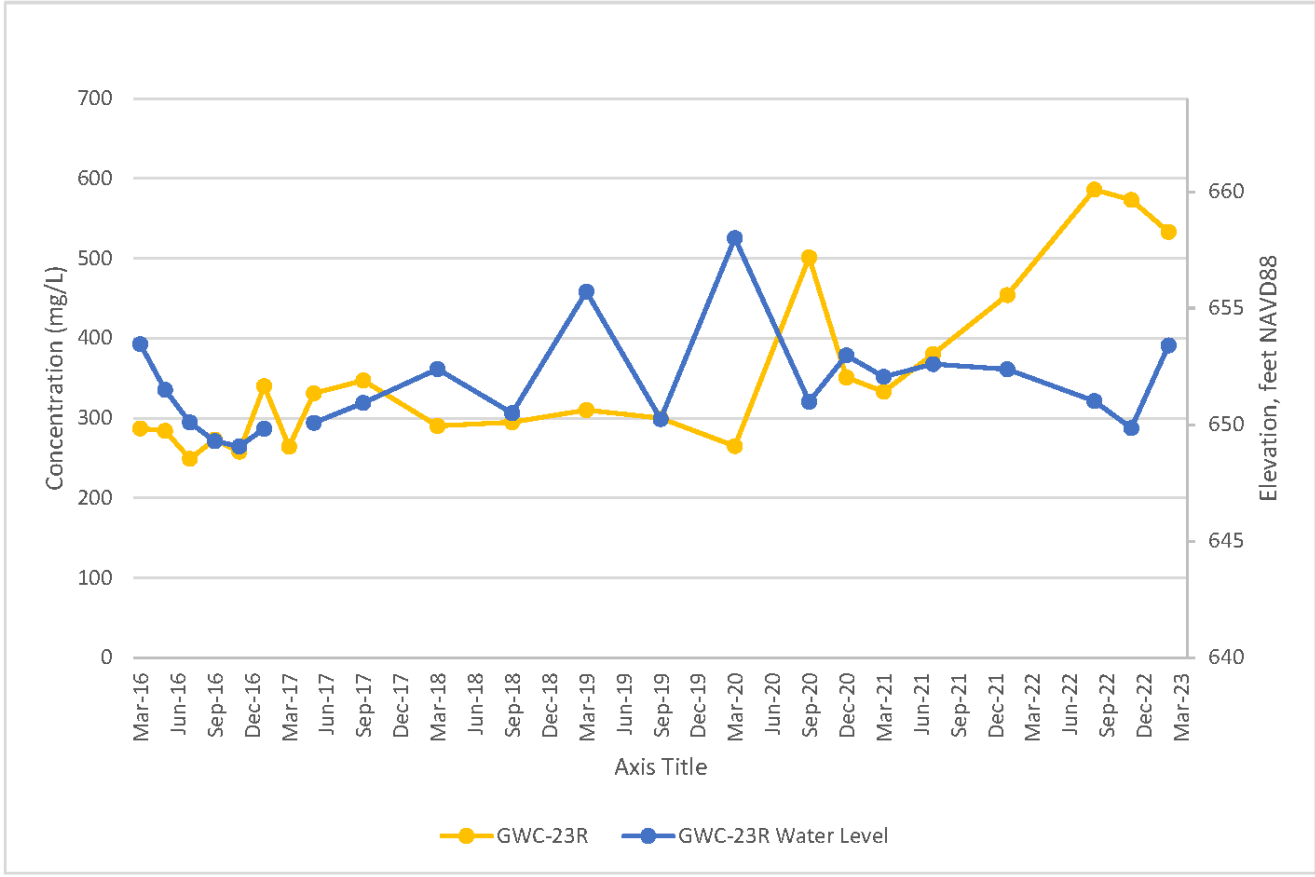
Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.

7

Title

Sulfate Concentration vs Time



- Notes**
1. mg/L - milligrams per liter
 2. GWA-56 abandoned 12/2022

Notes

1. Coordinate System:
2. Data Sources:
3. Background Location Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Project Location: Euharlee, Georgia
 Prepared by DMB on 2023-04-19
 TR by BS on 2023-04-19
 IR Review by RB on 2023-04-19

Client/Project: Georgia Power
 Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

Figure No. **8**

Title: **Total Dissolved Solids Concentration vs Time**

**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

APPENDIX A LABORATORY ANALYTICAL REPORTS



August 30, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between August 08, 2022 and August 15, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Ms. Lauren Petty, Southern Company
Michael Smilley, Georgia Power
Brian Steele, Stantec
Andrew Stevens, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92619171001	GWA-38	Water	08/05/22 09:40	08/08/22 09:05
92619171002	GWA-52	Water	08/05/22 10:25	08/08/22 09:05
92619171003	GWA-54	Water	08/05/22 11:15	08/08/22 09:05
92619171004	GWA-56	Water	08/05/22 12:26	08/08/22 09:05
92619171005	DUP-1	Water	08/05/22 00:00	08/08/22 09:05
92619171006	FB-1	Water	08/05/22 11:55	08/08/22 09:05
92619171007	GWA-36A	Water	08/08/22 11:08	08/11/22 09:02
92619171008	GWA-36RA	Water	08/08/22 13:03	08/11/22 09:02
92619171009	GWA-37	Water	08/08/22 15:07	08/11/22 09:02
92619171010	GWA-53	Water	08/08/22 14:35	08/11/22 09:02
92619171011	GWA-53R	Water	08/08/22 12:25	08/11/22 09:02
92619171012	GWA-55	Water	08/08/22 15:40	08/11/22 09:02
92619171013	GWA-55R	Water	08/08/22 14:34	08/11/22 09:02
92619171014	FB-2	Water	08/08/22 15:20	08/11/22 09:02
92619171015	EB-1	Water	08/08/22 15:25	08/11/22 09:02
92619171016	GWA-51RZ	Water	08/09/22 09:04	08/11/22 09:02
92619171017	GWC-19R	Water	08/09/22 10:34	08/11/22 09:02
92619171018	GWC-20R	Water	08/09/22 11:34	08/11/22 09:02
92619171019	GWC-24R	Water	08/09/22 12:52	08/11/22 09:02
92619171020	GWC-25R	Water	08/09/22 10:55	08/11/22 09:02
92619171021	DUP-2	Water	08/09/22 00:00	08/11/22 09:02
92619171022	FB-3	Water	08/09/22 15:00	08/11/22 09:02
92619171023	GWC-18	Water	08/10/22 11:55	08/11/22 09:02
92619171024	GWC-18R	Water	08/10/22 10:22	08/11/22 09:02
92619171025	GWC-21R	Water	08/10/22 11:00	08/11/22 09:02
92619171026	GWC-22R	Water	08/10/22 13:15	08/11/22 09:02
92619171027	DUP-3	Water	08/10/22 00:00	08/11/22 09:02
92619171028	FB-4	Water	08/10/22 14:00	08/11/22 09:02
92619171029	GWC-16R	Water	08/11/22 09:00	08/15/22 10:41
92619171030	GWC-17R	Water	08/11/22 09:37	08/15/22 10:41
92619171031	GWC-23R	Water	08/11/22 10:20	08/15/22 10:41
92619171032	FB-5	Water	08/11/22 16:25	08/15/22 10:41

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92619171001	GWA-38	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92619171002	GWA-52	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92619171003	GWA-54	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171004	GWA-56	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171005	DUP-1	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171006	FB-1	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171007	GWA-36A	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171008	GWA-36RA	EPA 6010D	DRB	2
		EPA 6020B	CW1	15

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92619171009	GWA-37	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92619171010	GWA-53	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171011	GWA-53R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171012	GWA-55	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
92619171013	GWA-55R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
92619171014	FB-2	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92619171015	EB-1	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92619171016	GWA-51RZ	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171017	GWC-19R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171018	GWC-20R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171019	GWC-24R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171020	GWC-25R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171021	DUP-2	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171022	FB-3	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171023	GWC-18	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92619171024	GWC-18R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92619171025	GWC-21R	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171026	GWC-22R	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
92619171027	DUP-3	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171028	FB-4	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	8
92619171029	GWC-16R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	8
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92619171030	GWC-17R	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	KH	5
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92619171031	GWC-23R	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	KH	5
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92619171032	FB-5	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	KH	5
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171001	GWA-38					
	Performed by	CUSTOME			08/08/22 17:08	
		R				
	pH	4.98	Std. Units		08/08/22 17:08	
EPA 6010D	Calcium	1.3	mg/L	1.0	08/11/22 19:49	
EPA 6020B	Barium	0.012	mg/L	0.0050	08/12/22 20:25	
EPA 6020B	Boron	0.0090J	mg/L	0.040	08/12/22 20:25	
EPA 6020B	Cobalt	0.00095J	mg/L	0.0050	08/12/22 20:25	
EPA 6020B	Nickel	0.00085J	mg/L	0.0050	08/12/22 20:25	
SM 2540C-2015	Total Dissolved Solids	27.0	mg/L	10.0	08/11/22 10:39	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	08/17/22 15:09	
92619171002	GWA-52					
	Performed by	CUSTOME			08/08/22 17:08	
		R				
	pH	7.35	Std. Units		08/08/22 17:08	
EPA 6010D	Calcium	29.2	mg/L	1.0	08/11/22 20:04	
EPA 6020B	Barium	0.019	mg/L	0.0050	08/12/22 20:31	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	08/12/22 20:31	
SM 2540C-2015	Total Dissolved Solids	123	mg/L	10.0	08/09/22 10:07	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	08/17/22 15:24	
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.10	08/17/22 15:24	
EPA 300.0 Rev 2.1 1993	Sulfate	4.4	mg/L	1.0	08/17/22 15:24	
92619171003	GWA-54					
	Performed by	CUSTOME			08/08/22 17:08	
		R				
	pH	7.32	Std. Units		08/08/22 17:08	
EPA 6010D	Calcium	23.8	mg/L	1.0	08/11/22 20:08	
EPA 6020B	Barium	0.030	mg/L	0.0050	08/12/22 20:37	
EPA 6020B	Chromium	0.0016J	mg/L	0.0050	08/12/22 20:37	
SM 2540C-2015	Total Dissolved Solids	106	mg/L	10.0	08/11/22 10:39	
EPA 300.0 Rev 2.1 1993	Chloride	0.96J	mg/L	1.0	08/17/22 21:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.073J	mg/L	0.10	08/17/22 21:15	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	08/17/22 21:15	
92619171004	GWA-56					
	Performed by	CUSTOME			08/08/22 17:08	
		R				
	pH	7.60	Std. Units		08/08/22 17:08	
EPA 6010D	Calcium	38.0	mg/L	1.0	08/11/22 20:13	
EPA 6020B	Barium	0.033	mg/L	0.0050	08/12/22 20:43	
EPA 6020B	Boron	0.015J	mg/L	0.040	08/12/22 20:43	
EPA 6020B	Nickel	0.00082J	mg/L	0.0050	08/12/22 20:43	
SM 2540C-2015	Total Dissolved Solids	271	mg/L	10.0	08/09/22 10:07	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	08/17/22 23:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.094J	mg/L	0.10	08/17/22 23:48	
EPA 300.0 Rev 2.1 1993	Sulfate	42.9	mg/L	1.0	08/17/22 23:48	
92619171005	DUP-1					
EPA 6020B	Barium	0.012	mg/L	0.0050	08/12/22 21:07	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171005	DUP-1					
EPA 6020B	Cobalt	0.00098J	mg/L	0.0050	08/12/22 21:07	
EPA 6020B	Nickel	0.00083J	mg/L	0.0050	08/12/22 21:07	
SM 2540C-2015	Total Dissolved Solids	20.0	mg/L	10.0	08/09/22 10:07	
EPA 300.0 Rev 2.1 1993	Chloride	3.4	mg/L	1.0	08/18/22 00:03	
EPA 300.0 Rev 2.1 1993	Sulfate	0.69J	mg/L	1.0	08/18/22 00:03	
92619171006	FB-1					
EPA 6010D	Calcium	1.3	mg/L	1.0	08/11/22 20:27	
92619171007	GWA-36A					
	Performed by	Customer			08/11/22 15:42	
	pH	6.79	Std. Units		08/11/22 15:42	
EPA 6010D	Zinc	0.011J	mg/L	0.020	08/18/22 16:37	
EPA 6010D	Calcium	53.1	mg/L	1.0	08/18/22 16:37	M1
EPA 6020B	Barium	0.037	mg/L	0.0050	08/24/22 15:21	
EPA 6020B	Boron	0.023J	mg/L	0.040	08/24/22 15:21	
SM 2540C-2015	Total Dissolved Solids	232	mg/L	10.0	08/12/22 08:57	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	08/20/22 22:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.063J	mg/L	0.10	08/20/22 22:52	
EPA 300.0 Rev 2.1 1993	Sulfate	23.4	mg/L	1.0	08/20/22 22:52	
92619171008	GWA-36RA					
	Performed by	Customer			08/11/22 15:42	
	pH	7.11	Std. Units		08/11/22 15:42	
EPA 6010D	Calcium	54.8	mg/L	1.0	08/18/22 17:08	
EPA 6020B	Antimony	0.0015J	mg/L	0.0030	08/24/22 15:45	B
EPA 6020B	Barium	0.038	mg/L	0.0050	08/24/22 15:45	
EPA 6020B	Boron	0.018J	mg/L	0.040	08/24/22 15:45	
EPA 6020B	Cadmium	0.00016J	mg/L	0.00050	08/24/22 15:45	
SM 2540C-2015	Total Dissolved Solids	232	mg/L	10.0	08/12/22 08:58	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	08/20/22 23:08	
EPA 300.0 Rev 2.1 1993	Fluoride	0.062J	mg/L	0.10	08/20/22 23:08	
EPA 300.0 Rev 2.1 1993	Sulfate	19.2	mg/L	1.0	08/20/22 23:08	
92619171009	GWA-37					
	Performed by	Customer			08/11/22 15:42	
	pH	5.16	Std. Units		08/11/22 15:42	
EPA 6010D	Calcium	0.74J	mg/L	1.0	08/18/22 17:13	
EPA 6020B	Antimony	0.0018J	mg/L	0.0030	08/24/22 15:51	B
EPA 6020B	Barium	0.0035J	mg/L	0.0050	08/24/22 15:51	
EPA 6020B	Cadmium	0.00032J	mg/L	0.00050	08/24/22 15:51	
EPA 6020B	Copper	0.0087	mg/L	0.0050	08/24/22 15:51	
EPA 6020B	Nickel	0.0097	mg/L	0.0050	08/24/22 15:51	
SM 2540C-2015	Total Dissolved Solids	19.0	mg/L	10.0	08/12/22 08:58	
EPA 300.0 Rev 2.1 1993	Chloride	0.64J	mg/L	1.0	08/20/22 23:23	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	08/20/22 23:23	
92619171010	GWA-53					
	Performed by	Customer			08/11/22 15:42	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171010	GWA-53					
	pH	7.66	Std. Units		08/11/22 15:42	
EPA 6010D	Calcium	30.4	mg/L	1.0	08/18/22 17:18	
EPA 6020B	Barium	0.011	mg/L	0.0050	08/24/22 15:57	
EPA 6020B	Cadmium	0.00040J	mg/L	0.00050	08/24/22 15:57	
SM 2540C-2015	Total Dissolved Solids	137	mg/L	10.0	08/12/22 08:59	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	08/21/22 00:09	
EPA 300.0 Rev 2.1 1993	Fluoride	0.067J	mg/L	0.10	08/21/22 00:09	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	08/21/22 00:09	
92619171011	GWA-53R					
	Performed by	Customer			08/11/22 15:43	
	pH	7.61	Std. Units		08/11/22 15:43	
EPA 6010D	Calcium	31.8	mg/L	1.0	08/18/22 17:22	
EPA 6020B	Barium	0.013	mg/L	0.0050	08/24/22 16:03	
EPA 6020B	Cadmium	0.00022J	mg/L	0.00050	08/24/22 16:03	
SM 2540C-2015	Total Dissolved Solids	136	mg/L	10.0	08/12/22 08:59	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	08/21/22 00:25	
EPA 300.0 Rev 2.1 1993	Fluoride	0.066J	mg/L	0.10	08/21/22 00:25	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	08/21/22 00:25	
92619171012	GWA-55					
	Performed by	Customer			08/11/22 15:43	
	pH	7.10	Std. Units		08/11/22 15:43	
EPA 6010D	Calcium	52.3	mg/L	1.0	08/18/22 17:27	
EPA 6020B	Barium	0.026	mg/L	0.0050	08/24/22 16:23	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	08/24/22 16:23	
EPA 6020B	Cobalt	0.00084J	mg/L	0.0050	08/24/22 16:23	
EPA 6020B	Selenium	0.0024J	mg/L	0.0050	08/24/22 16:23	
SM 2540C-2015	Total Dissolved Solids	240	mg/L	10.0	08/12/22 08:59	
EPA 300.0 Rev 2.1 1993	Chloride	4.9	mg/L	1.0	08/21/22 01:11	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	08/21/22 01:11	
EPA 300.0 Rev 2.1 1993	Sulfate	30.0	mg/L	1.0	08/21/22 01:11	
92619171013	GWA-55R					
	Performed by	Customer			08/11/22 15:43	
	pH	7.26	Std. Units		08/11/22 15:43	
EPA 6010D	Calcium	47.0	mg/L	1.0	08/18/22 17:32	
EPA 6020B	Barium	0.027	mg/L	0.0050	08/24/22 16:29	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	08/24/22 16:29	
SM 2540C-2015	Total Dissolved Solids	209	mg/L	10.0	08/12/22 08:59	
EPA 300.0 Rev 2.1 1993	Chloride	4.0	mg/L	1.0	08/21/22 01:27	
EPA 300.0 Rev 2.1 1993	Fluoride	0.070J	mg/L	0.10	08/21/22 01:27	
EPA 300.0 Rev 2.1 1993	Sulfate	23.5	mg/L	1.0	08/21/22 01:27	
92619171015	EB-1					
SM 2540C-2015	Total Dissolved Solids	30.0	mg/L	10.0	08/12/22 09:00	
92619171016	GWA-51RZ					
	Performed by	Customer			08/11/22 15:44	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171016	GWA-51RZ					
	pH	7.25	Std. Units		08/11/22 15:44	
EPA 6010D	Calcium	46.1	mg/L	1.0	08/18/22 18:01	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/24/22 16:46	
EPA 6020B	Selenium	0.0051	mg/L	0.0050	08/24/22 16:46	
SM 2540C-2015	Total Dissolved Solids	208	mg/L	10.0	08/12/22 09:00	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	08/21/22 02:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.072J	mg/L	0.10	08/21/22 02:13	
EPA 300.0 Rev 2.1 1993	Sulfate	22.3	mg/L	1.0	08/21/22 02:13	
92619171017	GWC-19R					
	Performed by	Customer			08/11/22 15:44	
	pH	7.77	Std. Units		08/11/22 15:44	
EPA 6010D	Calcium	34.6	mg/L	1.0	08/18/22 18:06	
EPA 6020B	Barium	0.014	mg/L	0.0050	08/24/22 16:52	
SM 2540C-2015	Total Dissolved Solids	102	mg/L	10.0	08/12/22 09:01	D6
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	08/21/22 02:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.067J	mg/L	0.10	08/21/22 02:29	
EPA 300.0 Rev 2.1 1993	Sulfate	3.7	mg/L	1.0	08/21/22 02:29	
92619171018	GWC-20R					
	Performed by	Customer			08/11/22 15:45	
	pH	7.81	Std. Units		08/11/22 15:45	
EPA 6010D	Calcium	38.7	mg/L	1.0	08/18/22 18:10	
EPA 6020B	Barium	0.029	mg/L	0.0050	08/24/22 16:58	
SM 2540C-2015	Total Dissolved Solids	171	mg/L	10.0	08/12/22 09:01	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	08/21/22 03:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.072J	mg/L	0.10	08/21/22 03:15	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	08/21/22 03:15	
92619171019	GWC-24R					
	Performed by	Customer			08/11/22 15:45	
	pH	7.48	Std. Units		08/11/22 15:45	
EPA 6010D	Calcium	33.8	mg/L	1.0	08/18/22 18:15	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/24/22 17:04	
SM 2540C-2015	Total Dissolved Solids	149	mg/L	10.0	08/12/22 09:01	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	08/21/22 03:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.072J	mg/L	0.10	08/21/22 03:31	
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	08/21/22 03:31	
92619171020	GWC-25R					
	Performed by	Customer			08/11/22 15:45	
	pH	7.60	Std. Units		08/11/22 15:45	
EPA 6010D	Calcium	37.1	mg/L	1.0	08/18/22 18:20	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/24/22 17:10	
SM 2540C-2015	Total Dissolved Solids	164	mg/L	10.0	08/12/22 09:01	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	08/21/22 03:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	08/21/22 03:46	
EPA 300.0 Rev 2.1 1993	Sulfate	1.9	mg/L	1.0	08/21/22 03:46	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171021	DUP-2					
EPA 6010D	Calcium	38.7	mg/L	1.0	08/18/22 18:25	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/24/22 17:16	
SM 2540C-2015	Total Dissolved Solids	160	mg/L	10.0	08/12/22 09:01	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	08/20/22 16:57	
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	08/20/22 16:57	
92619171023	GWC-18					
	Performed by	Customer			08/11/22 15:45	
	pH	6.53	Std. Units		08/11/22 15:45	
EPA 6010D	Calcium	18.9	mg/L	1.0	08/18/22 18:34	
EPA 6020B	Barium	0.013	mg/L	0.0050	08/24/22 17:47	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	08/24/22 17:47	
SM 2540C-2015	Total Dissolved Solids	86.0	mg/L	10.0	08/12/22 09:02	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	08/20/22 17:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	08/20/22 17:57	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	08/20/22 17:57	
92619171024	GWC-18R					
	Performed by	Customer			08/11/22 15:46	
	pH	7.59	Std. Units		08/11/22 15:46	
EPA 6010D	Calcium	33.6	mg/L	1.0	08/18/22 18:48	
EPA 6020B	Barium	0.014	mg/L	0.0050	08/24/22 17:53	
EPA 6020B	Beryllium	0.000056J	mg/L	0.00050	08/24/22 17:53	
SM 2540C-2015	Total Dissolved Solids	147	mg/L	10.0	08/12/22 09:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	08/20/22 18:12	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	08/20/22 18:12	
92619171025	GWC-21R					
	Performed by	Customer			08/11/22 15:46	
	pH	6.98	Std. Units		08/11/22 15:46	
EPA 6010D	Zinc	0.016J	mg/L	0.020	08/18/22 18:53	
EPA 6010D	Calcium	67.7	mg/L	1.0	08/18/22 18:53	
EPA 6020B	Antimony	0.0081	mg/L	0.0030	08/25/22 15:42	B
EPA 6020B	Arsenic	0.0025J	mg/L	0.0050	08/24/22 17:59	
EPA 6020B	Barium	0.030	mg/L	0.0050	08/24/22 17:59	
EPA 6020B	Chromium	0.0023J	mg/L	0.0050	08/24/22 17:59	
EPA 6020B	Nickel	0.0014J	mg/L	0.0050	08/24/22 17:59	
EPA 6020B	Thallium	0.00031J	mg/L	0.0010	08/24/22 17:59	
SM 2540C-2015	Total Dissolved Solids	286	mg/L	10.0	08/12/22 09:03	
EPA 300.0 Rev 2.1 1993	Chloride	4.1	mg/L	1.0	08/20/22 18:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	08/20/22 18:57	
EPA 300.0 Rev 2.1 1993	Sulfate	10.5	mg/L	1.0	08/20/22 18:57	
92619171026	GWC-22R					
	Performed by	Customer			08/11/22 15:46	
	pH	7.10	Std. Units		08/11/22 15:46	
EPA 6010D	Calcium	36.0	mg/L	1.0	08/18/22 18:58	
EPA 6020B	Arsenic	0.0035J	mg/L	0.0050	08/24/22 18:05	
EPA 6020B	Barium	0.042	mg/L	0.0050	08/24/22 18:05	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171026	GWC-22R					
EPA 6020B	Cobalt	0.00078J	mg/L	0.0050	08/24/22 18:05	
SM 2540C-2015	Total Dissolved Solids	162	mg/L	10.0	08/12/22 09:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	08/20/22 19:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	08/20/22 19:12	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	08/20/22 19:12	
92619171027	DUP-3					
EPA 6010D	Calcium	32.0	mg/L	1.0	08/18/22 20:25	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/26/22 20:36	
EPA 6020B	Beryllium	0.000082J	mg/L	0.00050	08/26/22 20:36	
EPA 6020B	Boron	0.019J	mg/L	0.040	08/26/22 20:36	B
SM 2540C-2015	Total Dissolved Solids	140	mg/L	10.0	08/15/22 11:24	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	08/20/22 19:27	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	08/20/22 19:27	
92619171028	FB-4					
EPA 6020B	Antimony	0.0010J	mg/L	0.0030	08/26/22 21:00	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/26/22 21:00	B
92619171029	GWC-16R					
	Performed by	Customer			08/15/22 14:19	
	pH	7.05	Std. Units		08/15/22 14:19	
EPA 6010D	Zinc	0.036	mg/L	0.020	08/22/22 18:11	M1
EPA 6010D	Potassium	2.9	mg/L	0.20	08/22/22 18:11	M1
EPA 6010D	Sodium	7.3	mg/L	1.0	08/22/22 18:11	M1
EPA 6010D	Calcium	71.6	mg/L	1.0	08/22/22 18:11	M1
EPA 6010D	Magnesium	30.8	mg/L	0.050	08/22/22 18:11	M1
EPA 6020B	Antimony	0.0099	mg/L	0.0030	08/26/22 23:11	
EPA 6020B	Barium	0.034	mg/L	0.0050	08/26/22 23:11	
EPA 6020B	Boron	0.013J	mg/L	0.040	08/26/22 23:11	B
EPA 6020B	Nickel	0.0077	mg/L	0.0050	08/26/22 23:11	
SM 2540C-2015	Total Dissolved Solids	306	mg/L	10.0	08/16/22 14:09	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	08/22/22 14:34	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	08/22/22 14:34	
EPA 300.0 Rev 2.1 1993	Sulfate	5.0	mg/L	1.0	08/22/22 14:34	
92619171030	GWC-17R					
	Performed by	Customer			08/15/22 14:20	
	pH	7.27	Std. Units		08/15/22 14:20	
EPA 6010D	Potassium	0.73	mg/L	0.20	08/22/22 18:57	
EPA 6010D	Sodium	2.3	mg/L	1.0	08/22/22 18:57	
EPA 6010D	Calcium	70.8	mg/L	1.0	08/22/22 18:57	
EPA 6010D	Magnesium	37.1	mg/L	0.050	08/22/22 18:57	
EPA 6020B	Barium	0.017	mg/L	0.0050	08/27/22 20:08	
SM 2540C-2015	Total Dissolved Solids	296	mg/L	10.0	08/16/22 14:09	
EPA 300.0 Rev 2.1 1993	Chloride	4.7	mg/L	1.0	08/22/22 14:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.051J	mg/L	0.10	08/22/22 14:49	
EPA 300.0 Rev 2.1 1993	Sulfate	6.6	mg/L	1.0	08/22/22 14:49	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92619171031	GWC-23R					
	Performed by	Customer			08/15/22 14:20	
	pH	7.37	Std. Units		08/15/22 14:20	
EPA 6010D	Potassium	1.6	mg/L	0.20	08/22/22 19:02	
EPA 6010D	Sodium	116	mg/L	1.0	08/22/22 19:02	
EPA 6010D	Calcium	67.0	mg/L	1.0	08/22/22 19:02	
EPA 6010D	Magnesium	34.8	mg/L	0.050	08/22/22 19:02	
EPA 6020B	Barium	0.034	mg/L	0.0050	08/27/22 20:14	
SM 2540C-2015	Total Dissolved Solids	586	mg/L	20.0	08/16/22 14:18	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	08/22/22 15:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.073J	mg/L	0.10	08/22/22 15:04	
EPA 300.0 Rev 2.1 1993	Sulfate	143	mg/L	3.0	08/23/22 04:15	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-38 Lab ID: 92619171001 Collected: 08/05/22 09:40 Received: 08/08/22 09:05 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		08/08/22 17:08		
pH	4.98	Std. Units			1		08/08/22 17:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 19:49	7440-66-6	
Calcium	1.3	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 19:49	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 20:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 20:25	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 20:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 20:25	7440-41-7	
Boron	0.0090J	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 20:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 20:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 20:25	7440-47-3	
Cobalt	0.00095J	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 20:25	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 20:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 20:25	7439-92-1	
Nickel	0.00085J	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 20:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 20:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 20:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 20:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 20:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 14:43	7439-97-6	M1,R1
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	27.0	mg/L	10.0	10.0	1		08/11/22 10:39		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		08/17/22 15:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/17/22 15:09	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/17/22 15:09	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-52		Lab ID: 92619171002		Collected: 08/05/22 10:25		Received: 08/08/22 09:05		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		08/08/22 17:08		
pH	7.35	Std. Units			1		08/08/22 17:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 20:04	7440-66-6	
Calcium	29.2	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 20:04	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 20:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 20:31	7440-38-2	
Barium	0.019	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 20:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 20:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 20:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 20:31	7440-43-9	
Chromium	0.0012J	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 20:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 20:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 20:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 20:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 20:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 20:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 20:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 20:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 20:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 14:54	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	123	mg/L	10.0	10.0	1		08/09/22 10:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		08/17/22 15:24	16887-00-6	
Fluoride	0.065J	mg/L	0.10	0.050	1		08/17/22 15:24	16984-48-8	
Sulfate	4.4	mg/L	1.0	0.50	1		08/17/22 15:24	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-54		Lab ID: 92619171003		Collected: 08/05/22 11:15		Received: 08/08/22 09:05		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		08/08/22 17:08		
pH	7.32	Std. Units			1		08/08/22 17:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 20:08	7440-66-6	
Calcium	23.8	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 20:08	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 20:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 20:37	7440-38-2	
Barium	0.030	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 20:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 20:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 20:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 20:37	7440-43-9	
Chromium	0.0016J	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 20:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 20:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 20:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 20:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 20:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 20:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 20:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 20:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 20:37	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 14:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	106	mg/L	10.0	10.0	1		08/11/22 10:39		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.96J	mg/L	1.0	0.60	1		08/17/22 21:15	16887-00-6	
Fluoride	0.073J	mg/L	0.10	0.050	1		08/17/22 21:15	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		08/17/22 21:15	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-56		Lab ID: 92619171004		Collected: 08/05/22 12:26		Received: 08/08/22 09:05		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		08/08/22 17:08		
pH	7.60	Std. Units			1		08/08/22 17:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 20:13	7440-66-6	
Calcium	38.0	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 20:13	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 20:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 20:43	7440-38-2	
Barium	0.033	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 20:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 20:43	7440-41-7	
Boron	0.015J	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 20:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 20:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 20:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 20:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 20:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 20:43	7439-92-1	
Nickel	0.00082J	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 20:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 20:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 20:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 20:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 20:43	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 14:59	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	271	mg/L	10.0	10.0	1		08/09/22 10:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	5.4	mg/L	1.0	0.60	1		08/17/22 23:48	16887-00-6	
Fluoride	0.094J	mg/L	0.10	0.050	1		08/17/22 23:48	16984-48-8	
Sulfate	42.9	mg/L	1.0	0.50	1		08/17/22 23:48	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: DUP-1 Lab ID: 92619171005 Collected: 08/05/22 00:00 Received: 08/08/22 09:05 Matrix: Water									
6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 20:23	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 20:23	7440-70-2	
6020 MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 21:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 21:07	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 21:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 21:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 21:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 21:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 21:07	7440-47-3	
Cobalt	0.00098J	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 21:07	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 21:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 21:07	7439-92-1	
Nickel	0.00083J	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 21:07	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 21:07	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 21:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 21:07	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 21:07	7440-62-2	
7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:07	7439-97-6	
2540C Total Dissolved Solids Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	20.0	mg/L	10.0	10.0	1		08/09/22 10:07		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	3.4	mg/L	1.0	0.60	1		08/18/22 00:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/18/22 00:03	16984-48-8	
Sulfate	0.69J	mg/L	1.0	0.50	1		08/18/22 00:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: FB-1 **Lab ID: 92619171006** Collected: 08/05/22 11:55 Received: 08/08/22 09:05 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 20:27	7440-66-6	
Calcium	1.3	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 20:27	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 21:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 21:13	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 21:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 21:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 21:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 21:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 21:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 21:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 21:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 21:13	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 21:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 21:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 21:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 21:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 21:13	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:10	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/09/22 10:12		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/18/22 00:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/18/22 00:18	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/18/22 00:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-36A	Lab ID: 92619171007	Collected: 08/08/22 11:08	Received: 08/11/22 09:02	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/11/22 15:42		
pH	6.79	Std. Units			1		08/11/22 15:42		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.011J	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 16:37	7440-66-6	
Calcium	53.1	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 16:37	7440-70-2	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 15:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 15:21	7440-38-2	
Barium	0.037	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 15:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 15:21	7440-41-7	
Boron	0.023J	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 15:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 15:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 15:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 15:21	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 15:21	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 15:21	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 15:21	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 15:21	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 15:21	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 15:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 15:21	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	232	mg/L	10.0	10.0	1		08/12/22 08:57		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.7	mg/L	1.0	0.60	1		08/20/22 22:52	16887-00-6	
Fluoride	0.063J	mg/L	0.10	0.050	1		08/20/22 22:52	16984-48-8	
Sulfate	23.4	mg/L	1.0	0.50	1		08/20/22 22:52	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-36RA	Lab ID: 92619171008	Collected: 08/08/22 13:03	Received: 08/11/22 09:02	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/11/22 15:42		
pH	7.11	Std. Units			1		08/11/22 15:42		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:08	7440-66-6	
Calcium	54.8	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:08	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0015J	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 15:45	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 15:45	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 15:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 15:45	7440-41-7	
Boron	0.018J	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 15:45	7440-42-8	
Cadmium	0.00016J	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 15:45	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/25/22 15:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/25/22 15:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/25/22 15:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 15:45	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/25/22 15:30	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 15:45	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 15:45	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 15:45	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/25/22 15:30	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:15	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	232	mg/L	10.0	10.0	1		08/12/22 08:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		08/20/22 23:08	16887-00-6	
Fluoride	0.062J	mg/L	0.10	0.050	1		08/20/22 23:08	16984-48-8	
Sulfate	19.2	mg/L	1.0	0.50	1		08/20/22 23:08	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-37 **Lab ID: 92619171009** Collected: 08/08/22 15:07 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **Customer** 1 08/11/22 15:42
pH **5.16** Std. Units 1 08/11/22 15:42

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 08/18/22 11:08 08/18/22 17:13 7440-66-6
Calcium **0.74J** mg/L 1.0 0.12 1 08/18/22 11:08 08/18/22 17:13 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0018J	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 15:51	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 15:51	7440-38-2	
Barium	0.0035J	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 15:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 15:51	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 15:51	7440-42-8	
Cadmium	0.00032J	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 15:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 15:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 15:51	7440-48-4	
Copper	0.0087	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 15:51	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 15:51	7439-92-1	
Nickel	0.0097	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 15:51	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 15:51	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 15:51	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 15:51	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 15:51	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 08/29/22 10:00 08/29/22 15:18 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **19.0** mg/L 10.0 10.0 1 08/12/22 08:58

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	0.64J	mg/L	1.0	0.60	1	08/20/22 23:23	16887-00-6
Fluoride	0.061J	mg/L	0.10	0.050	1	08/20/22 23:23	16984-48-8
Sulfate	ND	mg/L	1.0	0.50	1	08/20/22 23:23	14808-79-8

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GWA-53 Lab ID: 92619171010 Collected: 08/08/22 14:35 Received: 08/11/22 09:02 Matrix: Water									
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/11/22 15:42		
pH	7.66	Std. Units			1		08/11/22 15:42		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:18	7440-66-6	
Calcium	30.4	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:18	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 15:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 15:57	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 15:57	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 15:57	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 15:57	7440-42-8	
Cadmium	0.00040J	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 15:57	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 15:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 15:57	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 15:57	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 15:57	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 15:57	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 15:57	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 15:57	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 15:57	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 15:57	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:20	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	137	mg/L	10.0	10.0	1		08/12/22 08:59		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		08/21/22 00:09	16887-00-6	
Fluoride	0.067J	mg/L	0.10	0.050	1		08/21/22 00:09	16984-48-8	
Sulfate	1.3	mg/L	1.0	0.50	1		08/21/22 00:09	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-53R **Lab ID: 92619171011** Collected: 08/08/22 12:25 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer				1		08/11/22 15:43		
pH	7.61	Std. Units			1		08/11/22 15:43		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:22	7440-66-6	
Calcium	31.8	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:22	7440-70-2	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:03	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:03	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:03	7440-42-8	
Cadmium	0.00022J	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:03	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:03	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:03	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:03	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:03	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:03	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:03	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:03	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:03	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:23	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	136	mg/L	10.0	10.0	1		08/12/22 08:59		
------------------------	------------	------	------	------	---	--	----------------	--	--

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.2	mg/L	1.0	0.60	1		08/21/22 00:25	16887-00-6	
Fluoride	0.066J	mg/L	0.10	0.050	1		08/21/22 00:25	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		08/21/22 00:25	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-55	Lab ID: 92619171012	Collected: 08/08/22 15:40	Received: 08/11/22 09:02	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/11/22 15:43		
pH	7.10	Std. Units			1		08/11/22 15:43		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:27	7440-66-6	
Calcium	52.3	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:27	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:23	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:23	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:23	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:23	7440-47-3	
Cobalt	0.00084J	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:23	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:23	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:23	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:23	7440-02-0	
Selenium	0.0024J	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:23	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:23	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:25	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	240	mg/L	10.0	10.0	1		08/12/22 08:59		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.9	mg/L	1.0	0.60	1		08/21/22 01:11	16887-00-6	
Fluoride	0.078J	mg/L	0.10	0.050	1		08/21/22 01:11	16984-48-8	
Sulfate	30.0	mg/L	1.0	0.50	1		08/21/22 01:11	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-55R	Lab ID: 92619171013	Collected: 08/08/22 14:34	Received: 08/11/22 09:02	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/11/22 15:43		
pH	7.26	Std. Units			1		08/11/22 15:43		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:32	7440-66-6	
Calcium	47.0	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:32	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:29	7440-38-2	
Barium	0.027	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:29	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:29	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:29	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:29	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:29	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:29	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:29	7440-02-0	
Selenium	0.0015J	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:29	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:29	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:28	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	209	mg/L	10.0	10.0	1		08/12/22 08:59		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.0	mg/L	1.0	0.60	1		08/21/22 01:27	16887-00-6	
Fluoride	0.070J	mg/L	0.10	0.050	1		08/21/22 01:27	16984-48-8	
Sulfate	23.5	mg/L	1.0	0.50	1		08/21/22 01:27	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: FB-2		Lab ID: 92619171014		Collected: 08/08/22 15:20	Received: 08/11/22 09:02	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:51	7440-66-6		
Calcium	ND	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:51	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:34	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:34	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:34	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:34	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:34	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:34	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:34	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:34	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:34	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:34	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:34	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:34	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:34	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:34	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:34	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:36	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/12/22 08:59			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/21/22 01:42	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/21/22 01:42	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		08/21/22 01:42	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: EB-1	Lab ID: 92619171015	Collected: 08/08/22 15:25	Received: 08/11/22 09:02	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:56	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:56	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:40	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:40	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:40	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:40	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:40	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:40	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:40	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:40	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:40	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:40	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:40	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:40	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:38	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	30.0	mg/L	10.0	10.0	1		08/12/22 09:00		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/21/22 01:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/21/22 01:58	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/21/22 01:58	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWA-51RZ **Lab ID: 92619171016** Collected: 08/09/22 09:04 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer				1		08/11/22 15:44		
pH	7.25	Std. Units			1		08/11/22 15:44		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:01	7440-66-6	
Calcium	46.1	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:01	7440-70-2	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:46	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:46	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:46	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:46	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:46	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:46	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:46	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:46	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:46	7440-02-0	
Selenium	0.0051	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:46	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:46	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:46	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:46	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:42	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	208	mg/L	10.0	10.0	1		08/12/22 09:00		
------------------------	------------	------	------	------	---	--	----------------	--	--

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.4	mg/L	1.0	0.60	1		08/21/22 02:13	16887-00-6	
Fluoride	0.072J	mg/L	0.10	0.050	1		08/21/22 02:13	16984-48-8	
Sulfate	22.3	mg/L	1.0	0.50	1		08/21/22 02:13	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWC-19R **Lab ID: 92619171017** Collected: 08/09/22 10:34 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer						08/11/22 15:44
pH	7.77	Std. Units					08/11/22 15:44

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:06	7440-66-6
Calcium	34.6	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:06	7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:52	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:52	7440-38-2
Barium	0.014	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:52	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:52	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:52	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:52	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:52	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:52	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:52	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:52	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:52	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:52	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:52	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:52	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:52	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:45	7439-97-6
---------	----	------	---------	---------	---	----------------	----------------	-----------

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	102	mg/L	10.0	10.0	1	08/12/22 09:01		D6
------------------------	------------	------	------	------	---	----------------	--	----

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.3	mg/L	1.0	0.60	1	08/21/22 02:29	16887-00-6
Fluoride	0.067J	mg/L	0.10	0.050	1	08/21/22 02:29	16984-48-8
Sulfate	3.7	mg/L	1.0	0.50	1	08/21/22 02:29	14808-79-8

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWC-20R	Lab ID: 92619171018	Collected: 08/09/22 11:34	Received: 08/11/22 09:02	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/11/22 15:45		
pH	7.81	Std. Units			1		08/11/22 15:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:10	7440-66-6	
Calcium	38.7	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:10	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:58	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:58	7440-38-2	
Barium	0.029	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:58	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:58	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:58	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:58	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:58	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:58	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:58	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:58	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:58	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:58	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:58	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:58	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:47	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	171	mg/L	10.0	10.0	1		08/12/22 09:01		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.7	mg/L	1.0	0.60	1		08/21/22 03:15	16887-00-6	
Fluoride	0.072J	mg/L	0.10	0.050	1		08/21/22 03:15	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		08/21/22 03:15	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWC-24R	Lab ID: 92619171019	Collected: 08/09/22 12:52	Received: 08/11/22 09:02	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/11/22 15:45		
pH	7.48	Std. Units			1		08/11/22 15:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:15	7440-66-6	
Calcium	33.8	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:15	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:04	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:04	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:04	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:04	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:04	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:04	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:04	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:04	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:04	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:04	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:04	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:04	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:04	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:04	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:04	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:50	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	149	mg/L	10.0	10.0	1		08/12/22 09:01		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		08/21/22 03:31	16887-00-6	
Fluoride	0.072J	mg/L	0.10	0.050	1		08/21/22 03:31	16984-48-8	
Sulfate	2.1	mg/L	1.0	0.50	1		08/21/22 03:31	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWC-25R **Lab ID: 92619171020** Collected: 08/09/22 10:55 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer				1		08/11/22 15:45		
pH	7.60	Std. Units			1		08/11/22 15:45		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:20	7440-66-6	
Calcium	37.1	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:20	7440-70-2	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:10	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:10	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:10	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:10	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:10	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:10	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:10	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:10	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:10	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:10	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:10	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:10	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:10	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:10	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:52	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	164	mg/L	10.0	10.0	1		08/12/22 09:01		
------------------------	------------	------	------	------	---	--	----------------	--	--

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.2	mg/L	1.0	0.60	1		08/21/22 03:46	16887-00-6	
Fluoride	0.068J	mg/L	0.10	0.050	1		08/21/22 03:46	16984-48-8	
Sulfate	1.9	mg/L	1.0	0.50	1		08/21/22 03:46	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: DUP-2 **Lab ID: 92619171021** Collected: 08/09/22 00:00 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:25	7440-66-6	
Calcium	38.7	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:25	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:16	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:16	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:16	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/25/22 15:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/25/22 15:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:16	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:16	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:16	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:16	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:16	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:16	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:16	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:16	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:16	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 15:58	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	160	mg/L	10.0	10.0	1		08/12/22 09:01		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		08/20/22 16:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/20/22 16:57	16984-48-8	
Sulfate	2.1	mg/L	1.0	0.50	1		08/20/22 16:57	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: FB-3 **Lab ID: 92619171022** Collected: 08/09/22 15:00 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:29	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:29	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:41	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:41	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:41	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:41	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:41	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:41	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:41	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:41	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:41	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:41	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:41	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:14	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/12/22 09:01		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/20/22 17:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/20/22 17:42	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/20/22 17:42	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWC-18 **Lab ID: 92619171023** Collected: 08/10/22 11:55 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/11/22 15:45		
pH	6.53	Std. Units			1		08/11/22 15:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:34	7440-66-6	
Calcium	18.9	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:34	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:47	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:47	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:47	7440-43-9	
Chromium	0.0014J	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:47	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:47	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:47	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:47	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:47	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:17	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	86.0	mg/L	10.0	10.0	1		08/12/22 09:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		08/20/22 17:57	16887-00-6	
Fluoride	0.060J	mg/L	0.10	0.050	1		08/20/22 17:57	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		08/20/22 17:57	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWC-18R	Lab ID: 92619171024	Collected: 08/10/22 10:22	Received: 08/11/22 09:02	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/11/22 15:46		
pH	7.59	Std. Units			1		08/11/22 15:46		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:48	7440-66-6	
Calcium	33.6	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:48	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:53	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:53	7440-39-3	
Beryllium	0.000056J	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:53	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:53	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:53	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:19	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	147	mg/L	10.0	10.0	1		08/12/22 09:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		08/20/22 18:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/20/22 18:12	16984-48-8	
Sulfate	2.3	mg/L	1.0	0.50	1		08/20/22 18:12	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWC-21R	Lab ID: 92619171025	Collected: 08/10/22 11:00	Received: 08/11/22 09:02	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/11/22 15:46		
pH	6.98	Std. Units			1		08/11/22 15:46		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.016J	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:53	7440-66-6	
Calcium	67.7	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:53	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0081	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/25/22 15:42	7440-36-0	B
Arsenic	0.0025J	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:59	7440-38-2	
Barium	0.030	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:59	7440-43-9	
Chromium	0.0023J	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:59	7439-92-1	
Nickel	0.0014J	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:59	7440-22-4	
Thallium	0.00031J	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:22	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	286	mg/L	10.0	10.0	1		08/12/22 09:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.1	mg/L	1.0	0.60	1		08/20/22 18:57	16887-00-6	
Fluoride	0.057J	mg/L	0.10	0.050	1		08/20/22 18:57	16984-48-8	
Sulfate	10.5	mg/L	1.0	0.50	1		08/20/22 18:57	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWC-22R **Lab ID: 92619171026** Collected: 08/10/22 13:15 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer				1		08/11/22 15:46		
pH	7.10	Std. Units			1		08/11/22 15:46		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:58	7440-66-6	
Calcium	36.0	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:58	7440-70-2	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 18:05	7440-36-0	
Arsenic	0.0035J	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 18:05	7440-38-2	
Barium	0.042	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 18:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 18:05	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 18:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 18:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 18:05	7440-47-3	
Cobalt	0.00078J	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 18:05	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 18:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 18:05	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 18:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 18:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 18:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 18:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 18:05	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:25	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	162	mg/L	10.0	10.0	1		08/12/22 09:03		
------------------------	------------	------	------	------	---	--	----------------	--	--

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.7	mg/L	1.0	0.60	1		08/20/22 19:12	16887-00-6	
Fluoride	0.055J	mg/L	0.10	0.050	1		08/20/22 19:12	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		08/20/22 19:12	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: DUP-3		Lab ID: 92619171027		Collected: 08/10/22 00:00	Received: 08/11/22 09:02	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:22	08/18/22 20:25	7440-66-6		
Calcium	32.0	mg/L	1.0	0.12	1	08/18/22 11:22	08/18/22 20:25	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	08/26/22 09:41	08/26/22 20:36	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 09:41	08/26/22 20:36	7440-38-2		
Barium	0.015	mg/L	0.0050	0.00067	1	08/26/22 09:41	08/26/22 20:36	7440-39-3		
Beryllium	0.000082J	mg/L	0.00050	0.000054	1	08/26/22 09:41	08/26/22 20:36	7440-41-7		
Boron	0.019J	mg/L	0.040	0.0086	1	08/26/22 09:41	08/26/22 20:36	7440-42-8	B	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 09:41	08/26/22 20:36	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 09:41	08/26/22 20:36	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 09:41	08/26/22 20:36	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 09:41	08/26/22 20:36	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 09:41	08/26/22 20:36	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/26/22 09:41	08/26/22 20:36	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 09:41	08/26/22 20:36	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 09:41	08/26/22 20:36	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 09:41	08/26/22 20:36	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 09:41	08/26/22 20:36	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:27	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	140	mg/L	10.0	10.0	1		08/15/22 11:24			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.6	mg/L	1.0	0.60	1		08/20/22 19:27	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/20/22 19:27	16984-48-8		
Sulfate	2.3	mg/L	1.0	0.50	1		08/20/22 19:27	14808-79-8		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: FB-4		Lab ID: 92619171028		Collected: 08/10/22 14:00	Received: 08/11/22 09:02	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:22	08/18/22 20:39	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/18/22 11:22	08/18/22 20:39	7440-70-2	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	0.0010J	mg/L	0.0030	0.00078	1	08/26/22 09:41	08/26/22 21:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 09:41	08/26/22 21:00	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/26/22 09:41	08/26/22 21:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/26/22 09:41	08/26/22 21:00	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	08/26/22 09:41	08/26/22 21:00	7440-42-8	B
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 09:41	08/26/22 21:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 09:41	08/26/22 21:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 09:41	08/26/22 21:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 09:41	08/26/22 21:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 09:41	08/26/22 21:00	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/26/22 09:41	08/26/22 21:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 09:41	08/26/22 21:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 09:41	08/26/22 21:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 09:41	08/26/22 21:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 09:41	08/26/22 21:00	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:30	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/15/22 11:24		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		08/20/22 19:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/20/22 19:42	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/20/22 19:42	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWC-16R **Lab ID: 92619171029** Collected: 08/11/22 09:00 Received: 08/15/22 10:41 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer						08/15/22 14:19		
pH	7.05	Std. Units					08/15/22 14:19		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Aluminum	ND	mg/L	0.10	0.067	1	08/22/22 11:40	08/22/22 18:11	7429-90-5	M1
Iron	ND	mg/L	0.040	0.025	1	08/22/22 11:40	08/22/22 18:11	7439-89-6	M1
Zinc	0.036	mg/L	0.020	0.0085	1	08/22/22 11:40	08/22/22 18:11	7440-66-6	M1
Phosphorus	ND	mg/L	0.050	0.044	1	08/22/22 11:40	08/22/22 18:11	7723-14-0	M1
Potassium	2.9	mg/L	0.20	0.15	1	08/22/22 11:40	08/22/22 18:11	7440-09-7	M1
Sodium	7.3	mg/L	1.0	0.58	1	08/22/22 11:40	08/22/22 18:11	7440-23-5	M1
Calcium	71.6	mg/L	1.0	0.12	1	08/22/22 11:40	08/22/22 18:11	7440-70-2	M1
Magnesium	30.8	mg/L	0.050	0.012	1	08/22/22 11:40	08/22/22 18:11	7439-95-4	M1

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0099	mg/L	0.0030	0.00078	1	08/26/22 09:41	08/26/22 23:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 09:41	08/26/22 23:11	7440-38-2	
Barium	0.034	mg/L	0.0050	0.00067	1	08/26/22 09:41	08/26/22 23:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/26/22 09:41	08/26/22 23:11	7440-41-7	
Boron	0.013J	mg/L	0.040	0.0086	1	08/26/22 09:41	08/26/22 23:11	7440-42-8	B
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 09:41	08/26/22 23:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 09:41	08/26/22 23:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 09:41	08/26/22 23:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 09:41	08/26/22 23:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 09:41	08/26/22 23:11	7439-92-1	
Nickel	0.0077	mg/L	0.0050	0.00071	1	08/26/22 09:41	08/26/22 23:11	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 09:41	08/26/22 23:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 09:41	08/26/22 23:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 09:41	08/26/22 23:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 09:41	08/26/22 23:11	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:33	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	306	mg/L	10.0	10.0	1		08/16/22 14:09		
------------------------	------------	------	------	------	---	--	----------------	--	--

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.4	mg/L	1.0	0.60	1		08/22/22 14:34	16887-00-6	
Fluoride	0.12	mg/L	0.10	0.050	1		08/22/22 14:34	16984-48-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWC-16R		Lab ID: 92619171029		Collected: 08/11/22 09:00	Received: 08/15/22 10:41	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Sulfate	5.0	mg/L	1.0	0.50	1		08/22/22 14:34	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWC-17R **Lab ID: 92619171030** Collected: 08/11/22 09:37 Received: 08/15/22 10:41 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer				1		08/15/22 14:20		
pH	7.27	Std. Units			1		08/15/22 14:20		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/22/22 11:40	08/22/22 18:57	7440-66-6	
Potassium	0.73	mg/L	0.20	0.15	1	08/22/22 11:40	08/22/22 18:57	7440-09-7	
Sodium	2.3	mg/L	1.0	0.58	1	08/22/22 11:40	08/22/22 18:57	7440-23-5	
Calcium	70.8	mg/L	1.0	0.12	1	08/22/22 11:40	08/22/22 18:57	7440-70-2	
Magnesium	37.1	mg/L	0.050	0.012	1	08/22/22 11:40	08/22/22 18:57	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/26/22 14:18	08/27/22 20:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 14:18	08/27/22 20:08	7440-38-2	
Barium	0.017	mg/L	0.0050	0.00067	1	08/26/22 14:18	08/27/22 20:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/26/22 14:18	08/27/22 20:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/26/22 14:18	08/27/22 20:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 14:18	08/27/22 20:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 14:18	08/27/22 20:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 14:18	08/27/22 20:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 14:18	08/27/22 20:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 14:18	08/27/22 20:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/26/22 14:18	08/27/22 20:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 14:18	08/27/22 20:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 14:18	08/27/22 20:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 14:18	08/27/22 20:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 14:18	08/27/22 20:08	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:40	7439-97-6	
---------	----	------	---------	---------	---	----------------	----------------	-----------	--

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	296	mg/L	10.0	10.0	1		08/16/22 14:09		
------------------------	------------	------	------	------	---	--	----------------	--	--

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	4.7	mg/L	1.0	0.60	1		08/22/22 14:49	16887-00-6	
Fluoride	0.051J	mg/L	0.10	0.050	1		08/22/22 14:49	16984-48-8	
Sulfate	6.6	mg/L	1.0	0.50	1		08/22/22 14:49	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: GWC-23R		Lab ID: 92619171031		Collected: 08/11/22 10:20		Received: 08/15/22 10:41		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		08/15/22 14:20		
pH	7.37	Std. Units			1		08/15/22 14:20		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/22/22 11:40	08/22/22 19:02	7440-66-6	
Potassium	1.6	mg/L	0.20	0.15	1	08/22/22 11:40	08/22/22 19:02	7440-09-7	
Sodium	116	mg/L	1.0	0.58	1	08/22/22 11:40	08/22/22 19:02	7440-23-5	
Calcium	67.0	mg/L	1.0	0.12	1	08/22/22 11:40	08/22/22 19:02	7440-70-2	
Magnesium	34.8	mg/L	0.050	0.012	1	08/22/22 11:40	08/22/22 19:02	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/26/22 14:18	08/27/22 20:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 14:18	08/27/22 20:14	7440-38-2	
Barium	0.034	mg/L	0.0050	0.00067	1	08/26/22 14:18	08/27/22 20:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/26/22 14:18	08/27/22 20:14	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/26/22 14:18	08/27/22 20:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 14:18	08/27/22 20:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 14:18	08/27/22 20:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 14:18	08/27/22 20:14	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 14:18	08/27/22 20:14	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 14:18	08/27/22 20:14	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/26/22 14:18	08/27/22 20:14	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 14:18	08/27/22 20:14	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 14:18	08/27/22 20:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 14:18	08/27/22 20:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 14:18	08/27/22 20:14	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:43	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	586	mg/L	20.0	20.0	1		08/16/22 14:18		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.1	mg/L	1.0	0.60	1		08/22/22 15:04	16887-00-6	
Fluoride	0.073J	mg/L	0.10	0.050	1		08/22/22 15:04	16984-48-8	
Sulfate	143	mg/L	3.0	1.5	3		08/23/22 04:15	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Sample: FB-5 **Lab ID: 92619171032** Collected: 08/11/22 16:25 Received: 08/15/22 10:41 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/22/22 11:40	08/22/22 19:06	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	08/22/22 11:40	08/22/22 19:06	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/22/22 11:40	08/22/22 19:06	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/22/22 11:40	08/22/22 19:06	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/22/22 11:40	08/22/22 19:06	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/26/22 14:18	08/27/22 20:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 14:18	08/27/22 20:32	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/26/22 14:18	08/27/22 20:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/26/22 14:18	08/27/22 20:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/26/22 14:18	08/27/22 20:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 14:18	08/27/22 20:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 14:18	08/27/22 20:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 14:18	08/27/22 20:32	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 14:18	08/27/22 20:32	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 14:18	08/27/22 20:32	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/26/22 14:18	08/27/22 20:32	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 14:18	08/27/22 20:32	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 14:18	08/27/22 20:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 14:18	08/27/22 20:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 14:18	08/27/22 20:32	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/16/22 14:18		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/22/22 15:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/22/22 15:19	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/22/22 15:19	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch:	716042	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171001, 92619171002, 92619171003, 92619171004, 92619171005, 92619171006

METHOD BLANK: 3732858 Matrix: Water

Associated Lab Samples: 92619171001, 92619171002, 92619171003, 92619171004, 92619171005, 92619171006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/11/22 18:28	
Zinc	mg/L	ND	0.020	0.0085	08/11/22 18:28	

LABORATORY CONTROL SAMPLE: 3732859

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	105	80-120	
Zinc	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3732860 3732861

Parameter	Units	92618826005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	7.1	1	1	7.9	8.2	83	111	75-125	3	20	
Zinc	mg/L	ND	1	1	1.0	1.0	100	104	75-125	4	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 718057	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171027, 92619171028

METHOD BLANK: 3743081 Matrix: Water

Associated Lab Samples: 92619171027, 92619171028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/18/22 19:07	
Zinc	mg/L	ND	0.020	0.0085	08/18/22 19:07	

LABORATORY CONTROL SAMPLE: 3743082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	110	80-120	
Zinc	mg/L	1	1.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3743188 3743189

Parameter	Units	92619473001 Result	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
Calcium	mg/L	2930 ug/L	1	1	4.1	3.9	115	98	75-125	4	20			
Zinc	mg/L	114 ug/L	1	1	1.1	1.1	102	100	75-125	2	20			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch: 718681 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92619171029, 92619171030, 92619171031, 92619171032

METHOD BLANK: 3746088 Matrix: Water
Associated Lab Samples: 92619171029, 92619171030, 92619171031, 92619171032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/L	ND	0.10	0.067	08/22/22 18:02	
Calcium	mg/L	ND	1.0	0.12	08/22/22 18:02	
Iron	mg/L	ND	0.040	0.025	08/22/22 18:02	
Magnesium	mg/L	ND	0.050	0.012	08/22/22 18:02	
Phosphorus	mg/L	ND	0.050	0.044	08/22/22 18:02	
Potassium	mg/L	ND	0.20	0.15	08/22/22 18:02	
Sodium	mg/L	ND	1.0	0.58	08/22/22 18:02	
Zinc	mg/L	ND	0.020	0.0085	08/22/22 18:02	

LABORATORY CONTROL SAMPLE: 3746089

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	1.1	110	80-120	
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.0	101	80-120	
Magnesium	mg/L	1	1.0	104	80-120	
Phosphorus	mg/L	1	1.1	107	80-120	
Potassium	mg/L	1	1.1	115	80-120	
Sodium	mg/L	1	1.1	106	80-120	
Zinc	mg/L	1	1.1	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3746090 3746091

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92619171029 Result	Spike Conc.	Spike Conc.	Conc.							
Aluminum	mg/L	ND	1	1	1	2.1	2.3	214	228	75-125	6	20 M1
Calcium	mg/L	71.6	1	1	1	70.9	76.8	-66	517	75-125	8	20 M1
Iron	mg/L	ND	1	1	1	2.1	2.3	214	226	75-125	5	20 M1
Magnesium	mg/L	30.8	1	1	1	31.8	34.4	100	353	75-125	8	20 M1
Phosphorus	mg/L	ND	1	1	1	ND	ND	0	0	75-125		20 M1
Potassium	mg/L	2.9	1	1	1	4.9	5.2	202	234	75-125	6	20 M1
Sodium	mg/L	7.3	1	1	1	9.2	9.8	186	256	75-125	7	20 M1
Zinc	mg/L	0.036	1	1	1	0.25	0.26	22	22	75-125	3	20 M1

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch: 716046 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171001, 92619171002, 92619171003, 92619171004, 92619171005, 92619171006

METHOD BLANK: 3732885 Matrix: Water
Associated Lab Samples: 92619171001, 92619171002, 92619171003, 92619171004, 92619171005, 92619171006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	08/12/22 18:44	
Arsenic	mg/L	ND	0.0050	0.0022	08/12/22 18:44	
Barium	mg/L	ND	0.0050	0.00067	08/12/22 18:44	
Beryllium	mg/L	ND	0.00050	0.000054	08/12/22 18:44	
Boron	mg/L	ND	0.040	0.0086	08/12/22 18:44	
Cadmium	mg/L	ND	0.00050	0.00011	08/12/22 18:44	
Chromium	mg/L	ND	0.0050	0.0011	08/12/22 18:44	
Cobalt	mg/L	ND	0.0050	0.00039	08/12/22 18:44	
Copper	mg/L	ND	0.0050	0.0010	08/12/22 18:44	
Lead	mg/L	ND	0.0010	0.00089	08/12/22 18:44	
Nickel	mg/L	ND	0.0050	0.00071	08/12/22 18:44	
Selenium	mg/L	ND	0.0050	0.0014	08/12/22 18:44	
Silver	mg/L	ND	0.0050	0.00044	08/12/22 18:44	
Thallium	mg/L	ND	0.0010	0.00018	08/12/22 18:44	
Vanadium	mg/L	ND	0.010	0.0019	08/12/22 18:44	

LABORATORY CONTROL SAMPLE: 3732886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	115	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	1.0	102	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	104	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.093	93	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.091	91	80-120	
Silver	mg/L	0.1	0.10	105	80-120	
Thallium	mg/L	0.1	0.090	90	80-120	
Vanadium	mg/L	0.1	0.11	107	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Parameter	Units	92618826010		3732887		3732888		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	115	112	75-125	3	20			
Arsenic	mg/L	0.0022J	0.1	0.1	0.098	0.096	96	93	75-125	3	20			
Barium	mg/L	0.085	0.1	0.1	0.22	0.21	134	126	75-125	4	20	M1		
Beryllium	mg/L	ND	0.1	0.1	0.091	0.089	91	89	75-125	3	20			
Boron	mg/L	0.25	1	1	1.2	1.2	93	90	75-125	2	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20			
Chromium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20			
Cobalt	mg/L	0.00080J	0.1	0.1	0.10	0.098	99	97	75-125	2	20			
Copper	mg/L	ND	0.1	0.1	0.098	0.096	98	96	75-125	2	20			
Lead	mg/L	ND	0.1	0.1	0.093	0.090	93	90	75-125	4	20			
Nickel	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20			
Selenium	mg/L	ND	0.1	0.1	0.090	0.089	90	89	75-125	1	20			
Silver	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	3	20			
Thallium	mg/L	ND	0.1	0.1	0.091	0.088	91	88	75-125	3	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	1	20			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch: 718385 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020, 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026

METHOD BLANK: 3744753 Matrix: Water
Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020, 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00097J	0.0030	0.00078	08/24/22 15:09	
Arsenic	mg/L	ND	0.0050	0.0022	08/24/22 15:09	
Barium	mg/L	ND	0.0050	0.00067	08/24/22 15:09	
Beryllium	mg/L	ND	0.00050	0.000054	08/24/22 15:09	
Boron	mg/L	ND	0.040	0.0086	08/24/22 15:09	
Cadmium	mg/L	ND	0.00050	0.00011	08/24/22 15:09	
Chromium	mg/L	ND	0.0050	0.0011	08/24/22 15:09	
Cobalt	mg/L	ND	0.0050	0.00039	08/24/22 15:09	
Copper	mg/L	ND	0.0050	0.0010	08/24/22 15:09	
Lead	mg/L	ND	0.0010	0.00089	08/24/22 15:09	
Nickel	mg/L	ND	0.0050	0.00071	08/24/22 15:09	
Selenium	mg/L	ND	0.0050	0.0014	08/24/22 15:09	
Silver	mg/L	ND	0.0050	0.00044	08/24/22 15:09	
Thallium	mg/L	ND	0.0010	0.00018	08/24/22 15:09	
Vanadium	mg/L	ND	0.010	0.0019	08/24/22 15:09	

LABORATORY CONTROL SAMPLE: 3744754

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	109	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.10	100	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.10	103	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Parameter	Units	3744755		3744756		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	111	109	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	2	20		
Barium	mg/L	0.037	0.1	0.1	0.14	0.14	104	101	75-125	2	20		
Beryllium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20		
Boron	mg/L	0.023J	1	1	1.0	1.0	102	101	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.11	0.10	105	103	75-125	2	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.099	102	99	75-125	3	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	103	101	75-125	2	20		
Silver	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	3	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.099	103	99	75-125	4	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	108	106	75-125	2	20		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch: 719812 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171027, 92619171028, 92619171029

METHOD BLANK: 3751329 Matrix: Water

Associated Lab Samples: 92619171027, 92619171028, 92619171029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	08/26/22 20:24	
Arsenic	mg/L	ND	0.0050	0.0022	08/26/22 20:24	
Barium	mg/L	ND	0.0050	0.00067	08/26/22 20:24	
Beryllium	mg/L	ND	0.00050	0.000054	08/26/22 20:24	
Boron	mg/L	0.020J	0.040	0.0086	08/26/22 20:24	
Cadmium	mg/L	ND	0.00050	0.00011	08/26/22 20:24	
Chromium	mg/L	ND	0.0050	0.0011	08/26/22 20:24	
Cobalt	mg/L	ND	0.0050	0.00039	08/26/22 20:24	
Copper	mg/L	ND	0.0050	0.0010	08/26/22 20:24	
Lead	mg/L	ND	0.0010	0.00089	08/26/22 20:24	
Nickel	mg/L	ND	0.0050	0.00071	08/26/22 20:24	
Selenium	mg/L	ND	0.0050	0.0014	08/26/22 20:24	
Silver	mg/L	ND	0.0050	0.00044	08/26/22 20:24	
Thallium	mg/L	ND	0.0010	0.00018	08/26/22 20:24	
Vanadium	mg/L	ND	0.010	0.0019	08/26/22 20:24	

LABORATORY CONTROL SAMPLE: 3751330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	113	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	1.0	102	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.093	93	80-120	
Copper	mg/L	0.1	0.093	93	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Nickel	mg/L	0.1	0.093	93	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.096	96	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Parameter	Units	92619171027		3751331		3751332		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	111	75-125	4	20			
Arsenic	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	3	20			
Barium	mg/L	0.015	0.1	0.1	0.11	0.12	100	101	75-125	1	20			
Beryllium	mg/L	0.000082J	0.1	0.1	0.098	0.097	97	97	75-125	1	20			
Boron	mg/L	0.019J	1	1	1.0	1.0	100	98	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	3	20			
Chromium	mg/L	ND	0.1	0.1	0.099	0.098	98	97	75-125	2	20			
Cobalt	mg/L	ND	0.1	0.1	0.096	0.094	96	94	75-125	2	20			
Copper	mg/L	ND	0.1	0.1	0.093	0.091	93	91	75-125	2	20			
Lead	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20			
Nickel	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	1	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.097	99	97	75-125	3	20			
Silver	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	0	20			
Thallium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	0	20			
Vanadium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch: 719833 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92619171030, 92619171031, 92619171032

METHOD BLANK: 3751482 Matrix: Water
Associated Lab Samples: 92619171030, 92619171031, 92619171032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	08/27/22 19:20	
Arsenic	mg/L	ND	0.0050	0.0022	08/27/22 19:20	
Barium	mg/L	ND	0.0050	0.00067	08/27/22 19:20	
Beryllium	mg/L	ND	0.00050	0.000054	08/27/22 19:20	
Boron	mg/L	ND	0.040	0.0086	08/27/22 19:20	
Cadmium	mg/L	ND	0.00050	0.00011	08/27/22 19:20	
Chromium	mg/L	ND	0.0050	0.0011	08/27/22 19:20	
Cobalt	mg/L	ND	0.0050	0.00039	08/27/22 19:20	
Copper	mg/L	ND	0.0050	0.0010	08/27/22 19:20	
Lead	mg/L	ND	0.0010	0.00089	08/27/22 19:20	
Nickel	mg/L	ND	0.0050	0.00071	08/27/22 19:20	
Selenium	mg/L	ND	0.0050	0.0014	08/27/22 19:20	
Silver	mg/L	ND	0.0050	0.00044	08/27/22 19:20	
Thallium	mg/L	ND	0.0010	0.00018	08/27/22 19:20	
Vanadium	mg/L	ND	0.010	0.0019	08/27/22 19:20	

LABORATORY CONTROL SAMPLE: 3751483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	104	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Chromium	mg/L	0.1	0.095	95	80-120	
Cobalt	mg/L	0.1	0.092	92	80-120	
Copper	mg/L	0.1	0.092	92	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Nickel	mg/L	0.1	0.092	92	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.096	96	80-120	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Parameter	Units	92620555001		3751484		3751485		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	2	20			
Arsenic	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20			
Barium	mg/L	55.2 ug/L	0.1	0.1	0.15	0.16	96	101	75-125	4	20			
Beryllium	mg/L	0.054J ug/L	0.1	0.1	0.093	0.096	93	96	75-125	3	20			
Boron	mg/L	8.7J ug/L	1	1	0.97	0.98	96	98	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.094	0.097	94	97	75-125	3	20			
Chromium	mg/L	1.4J ug/L	0.1	0.1	0.098	0.097	96	96	75-125	1	20			
Cobalt	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20			
Copper	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	1	20			
Lead	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20			
Nickel	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	0	20			
Selenium	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20			
Silver	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20			
Thallium	mg/L	ND	0.1	0.1	0.097	0.097	96	97	75-125	1	20			
Vanadium	mg/L	3.0J ug/L	0.1	0.1	0.10	0.10	98	97	75-125	1	20			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch:	719863	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171001, 92619171002, 92619171003, 92619171004, 92619171005, 92619171006, 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020

METHOD BLANK: 3751697 Matrix: Water

Associated Lab Samples: 92619171001, 92619171002, 92619171003, 92619171004, 92619171005, 92619171006, 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/29/22 14:38	

LABORATORY CONTROL SAMPLE: 3751698

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3751699 3751700

Parameter	Units	92619171001		3751700		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0017	103	68	75-125	40	20	M1,R1

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch:	719865	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026, 92619171027, 92619171028, 92619171029, 92619171030, 92619171031, 92619171032

METHOD BLANK: 3751705 Matrix: Water

Associated Lab Samples: 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026, 92619171027, 92619171028, 92619171029, 92619171030, 92619171031, 92619171032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/29/22 15:55	

LABORATORY CONTROL SAMPLE: 3751706

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3751707 3751708

Parameter	Units	92619171021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0020	0.0024	80	95	75-125	17	20	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch:	715879	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171002, 92619171004, 92619171005, 92619171006

METHOD BLANK: 3731855 Matrix: Water
Associated Lab Samples: 92619171002, 92619171004, 92619171005, 92619171006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/09/22 10:01	

LABORATORY CONTROL SAMPLE: 3731856

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	80-120	

SAMPLE DUPLICATE: 3731857

Parameter	Units	92618823005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	334	334	0	25	

SAMPLE DUPLICATE: 3731858

Parameter	Units	92618820016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	302	335	10	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch: 716396 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92619171001, 92619171003

METHOD BLANK: 3734636 Matrix: Water
Associated Lab Samples: 92619171001, 92619171003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/11/22 10:34	

LABORATORY CONTROL SAMPLE: 3734637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	386	96	80-120	

SAMPLE DUPLICATE: 3735020

Parameter	Units	92618826003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	224	225	0	25	

SAMPLE DUPLICATE: 3735021

Parameter	Units	92618826011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	285	282	1	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 716789

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020, 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026

METHOD BLANK: 3736560

Matrix: Water

Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020, 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/12/22 08:57	

LABORATORY CONTROL SAMPLE: 3736561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	391	98	80-120	

SAMPLE DUPLICATE: 3736562

Parameter	Units	92619171007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	232	236	2	25	

SAMPLE DUPLICATE: 3736563

Parameter	Units	92619171017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	102	156	42	25	D6

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 717151	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171027, 92619171028

METHOD BLANK: 3738466 Matrix: Water

Associated Lab Samples: 92619171027, 92619171028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/15/22 11:23	

LABORATORY CONTROL SAMPLE: 3738467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	415	104	80-120	

SAMPLE DUPLICATE: 3738468

Parameter	Units	92620164002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	226	227	0	25	

SAMPLE DUPLICATE: 3738469

Parameter	Units	92619171028 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 717424	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171029, 92619171030

METHOD BLANK: 3739844 Matrix: Water

Associated Lab Samples: 92619171029, 92619171030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/16/22 14:07	

LABORATORY CONTROL SAMPLE: 3739845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	380	95	80-120	

SAMPLE DUPLICATE: 3739846

Parameter	Units	92618826016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 3739847

Parameter	Units	92620047010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	91.0	89.0	2	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 717426

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171031, 92619171032

METHOD BLANK: 3739848

Matrix: Water

Associated Lab Samples: 92619171031, 92619171032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/16/22 14:15	

LABORATORY CONTROL SAMPLE: 3739849

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	385	96	80-120	

SAMPLE DUPLICATE: 3739850

Parameter	Units	92618822013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	134	138	3	25	

SAMPLE DUPLICATE: 3739851

Parameter	Units	92618822004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	940	924	2	25	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch: 717492 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92619171001, 92619171002

METHOD BLANK: 3740200 Matrix: Water

Associated Lab Samples: 92619171001, 92619171002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/17/22 07:54	
Fluoride	mg/L	ND	0.10	0.050	08/17/22 07:54	
Sulfate	mg/L	ND	1.0	0.50	08/17/22 07:54	

LABORATORY CONTROL SAMPLE: 3740201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.5	95	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	47.6	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3740202 3740203

Parameter	Units	92619725001		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	64.1	50	50	105	105	82	83	90-110	1	10	M1	
Fluoride	mg/L	0.38	2.5	2.5	2.7	2.8	94	96	90-110	2	10		
Sulfate	mg/L	288	50	50	337	338	99	100	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3740204 3740205

Parameter	Units	92618826008		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	5.0	50	50	59.1	59.0	108	108	90-110	0	10		
Fluoride	mg/L	0.075J	2.5	2.5	2.8	2.8	107	108	90-110	1	10		
Sulfate	mg/L	217	50	50	264	265	95	96	90-110	0	10		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 717794 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92619171003, 92619171004, 92619171005, 92619171006

METHOD BLANK: 3741771 Matrix: Water
 Associated Lab Samples: 92619171003, 92619171004, 92619171005, 92619171006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/17/22 20:45	
Fluoride	mg/L	ND	0.10	0.050	08/17/22 20:45	
Sulfate	mg/L	ND	1.0	0.50	08/17/22 20:45	

LABORATORY CONTROL SAMPLE: 3741772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.9	102	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	49.6	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3741773 3741774

Parameter	Units	92619171003		3741773		3741774		% Rec	% Rec	% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					
Chloride	mg/L	0.96J	50	50	52.8	52.5	104	103	90-110	0	10	
Fluoride	mg/L	0.073J	2.5	2.5	2.5	2.5	96	97	90-110	0	10	
Sulfate	mg/L	1.4	50	50	51.6	51.5	100	100	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3741775 3741776

Parameter	Units	92620477006		3741775		3741776		% Rec	% Rec	% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					
Chloride	mg/L	10.3	50	50	62.4	60.9	104	101	90-110	2	10	
Fluoride	mg/L	0.59	2.5	2.5	3.3	3.2	109	105	90-110	3	10	
Sulfate	mg/L	11.0	50	50	61.8	60.5	102	99	90-110	2	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch:	718416	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020

METHOD BLANK: 3744911 Matrix: Water
Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/20/22 19:31	
Fluoride	mg/L	ND	0.10	0.050	08/20/22 19:31	
Sulfate	mg/L	ND	1.0	0.50	08/20/22 19:31	

LABORATORY CONTROL SAMPLE: 3744912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3744913 3744914

Parameter	Units	9261269001		3744914		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Chloride	mg/L	5.4	50	54.6	55.3	99	100	90-110	1	10	
Fluoride	mg/L	0.12	2.5	2.7	2.7	104	104	90-110	0	10	
Sulfate	mg/L	5.5	50	55.3	56.0	99	101	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3744915 3744916

Parameter	Units	92619171011		3744916		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Chloride	mg/L	2.2	50	51.8	52.3	99	100	90-110	1	10	
Fluoride	mg/L	0.066J	2.5	2.7	2.7	104	104	90-110	0	10	
Sulfate	mg/L	1.5	50	51.2	51.8	100	101	90-110	1	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch: 718488 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026, 92619171027, 92619171028

METHOD BLANK: 3745401 Matrix: Water
Associated Lab Samples: 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026, 92619171027, 92619171028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/20/22 12:59	
Fluoride	mg/L	ND	0.10	0.050	08/20/22 12:59	
Sulfate	mg/L	ND	1.0	0.50	08/20/22 12:59	

LABORATORY CONTROL SAMPLE: 3745402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.2	102	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3745403 3745404

Parameter	Units	92621298001		3745404		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	8.1	50	50	59.8	60.0	103	104	90-110	0	10
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	103	104	90-110	1	10
Sulfate	mg/L	18.8	50	50	69.7	69.7	102	102	90-110	0	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3745405 3745406

Parameter	Units	92619171021		3745406		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.6	50	50	54.5	54.6	104	104	90-110	0	10
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	98	100	90-110	1	10
Sulfate	mg/L	2.1	50	50	52.7	52.9	101	102	90-110	0	10

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch: 718644 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92619171029, 92619171030, 92619171031, 92619171032

METHOD BLANK: 3745974 Matrix: Water
Associated Lab Samples: 92619171029, 92619171030, 92619171031, 92619171032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/22/22 08:12	
Fluoride	mg/L	ND	0.10	0.050	08/22/22 08:12	
Sulfate	mg/L	ND	1.0	0.50	08/22/22 08:12	

LABORATORY CONTROL SAMPLE: 3745975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.2	102	90-110	
Fluoride	mg/L	2.5	2.7	106	90-110	
Sulfate	mg/L	50	49.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3745976 3745977

Parameter	Units	92618822016		MS		MSD		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result								
Chloride	mg/L	148	50	50	50	184	186	71	76	90-110	1	10	M1		
Fluoride	mg/L	0.086J	2.5	2.5	2.5	2.6	2.6	100	102	90-110	2	10			
Sulfate	mg/L	423	50	50	50	444	451	42	57	90-110	2	10	M1		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3745978 3745979

Parameter	Units	92619003009		MS		MSD		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result								
Chloride	mg/L	42.1	50	50	50	94.5	94.7	105	105	90-110	0	10			
Fluoride	mg/L	0.056J	2.5	2.5	2.5	2.5	2.6	99	101	90-110	2	10			
Sulfate	mg/L	2030	50	50	50	2070	2070	93	81	90-110	0	10	M1		

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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

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

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92619171001	GWA-38				
92619171002	GWA-52				
92619171003	GWA-54				
92619171004	GWA-56				
92619171007	GWA-36A				
92619171008	GWA-36RA				
92619171009	GWA-37				
92619171010	GWA-53				
92619171011	GWA-53R				
92619171012	GWA-55				
92619171013	GWA-55R				
92619171016	GWA-51RZ				
92619171017	GWC-19R				
92619171018	GWC-20R				
92619171019	GWC-24R				
92619171020	GWC-25R				
92619171023	GWC-18				
92619171024	GWC-18R				
92619171025	GWC-21R				
92619171026	GWC-22R				
92619171029	GWC-16R				
92619171030	GWC-17R				
92619171031	GWC-23R				
92619171001	GWA-38	EPA 3010A	716042	EPA 6010D	716585
92619171002	GWA-52	EPA 3010A	716042	EPA 6010D	716585
92619171003	GWA-54	EPA 3010A	716042	EPA 6010D	716585
92619171004	GWA-56	EPA 3010A	716042	EPA 6010D	716585
92619171005	DUP-1	EPA 3010A	716042	EPA 6010D	716585
92619171006	FB-1	EPA 3010A	716042	EPA 6010D	716585
92619171007	GWA-36A	EPA 3010A	718056	EPA 6010D	718142
92619171008	GWA-36RA	EPA 3010A	718056	EPA 6010D	718142
92619171009	GWA-37	EPA 3010A	718056	EPA 6010D	718142
92619171010	GWA-53	EPA 3010A	718056	EPA 6010D	718142
92619171011	GWA-53R	EPA 3010A	718056	EPA 6010D	718142
92619171012	GWA-55	EPA 3010A	718056	EPA 6010D	718142
92619171013	GWA-55R	EPA 3010A	718056	EPA 6010D	718142
92619171014	FB-2	EPA 3010A	718056	EPA 6010D	718142
92619171015	EB-1	EPA 3010A	718056	EPA 6010D	718142
92619171016	GWA-51RZ	EPA 3010A	718056	EPA 6010D	718142
92619171017	GWC-19R	EPA 3010A	718056	EPA 6010D	718142
92619171018	GWC-20R	EPA 3010A	718056	EPA 6010D	718142
92619171019	GWC-24R	EPA 3010A	718056	EPA 6010D	718142
92619171020	GWC-25R	EPA 3010A	718056	EPA 6010D	718142
92619171021	DUP-2	EPA 3010A	718056	EPA 6010D	718142
92619171022	FB-3	EPA 3010A	718056	EPA 6010D	718142
92619171023	GWC-18	EPA 3010A	718056	EPA 6010D	718142
92619171024	GWC-18R	EPA 3010A	718056	EPA 6010D	718142
92619171025	GWC-21R	EPA 3010A	718056	EPA 6010D	718142

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92619171026	GWC-22R	EPA 3010A	718056	EPA 6010D	718142
92619171027	DUP-3	EPA 3010A	718057	EPA 6010D	718149
92619171028	FB-4	EPA 3010A	718057	EPA 6010D	718149
92619171029	GWC-16R	EPA 3010A	718681	EPA 6010D	718747
92619171030	GWC-17R	EPA 3010A	718681	EPA 6010D	718747
92619171031	GWC-23R	EPA 3010A	718681	EPA 6010D	718747
92619171032	FB-5	EPA 3010A	718681	EPA 6010D	718747
92619171001	GWA-38	EPA 3005A	716046	EPA 6020B	716279
92619171002	GWA-52	EPA 3005A	716046	EPA 6020B	716279
92619171003	GWA-54	EPA 3005A	716046	EPA 6020B	716279
92619171004	GWA-56	EPA 3005A	716046	EPA 6020B	716279
92619171005	DUP-1	EPA 3005A	716046	EPA 6020B	716279
92619171006	FB-1	EPA 3005A	716046	EPA 6020B	716279
92619171007	GWA-36A	EPA 3005A	718385	EPA 6020B	718456
92619171008	GWA-36RA	EPA 3005A	718385	EPA 6020B	718456
92619171009	GWA-37	EPA 3005A	718385	EPA 6020B	718456
92619171010	GWA-53	EPA 3005A	718385	EPA 6020B	718456
92619171011	GWA-53R	EPA 3005A	718385	EPA 6020B	718456
92619171012	GWA-55	EPA 3005A	718385	EPA 6020B	718456
92619171013	GWA-55R	EPA 3005A	718385	EPA 6020B	718456
92619171014	FB-2	EPA 3005A	718385	EPA 6020B	718456
92619171015	EB-1	EPA 3005A	718385	EPA 6020B	718456
92619171016	GWA-51RZ	EPA 3005A	718385	EPA 6020B	718456
92619171017	GWC-19R	EPA 3005A	718385	EPA 6020B	718456
92619171018	GWC-20R	EPA 3005A	718385	EPA 6020B	718456
92619171019	GWC-24R	EPA 3005A	718385	EPA 6020B	718456
92619171020	GWC-25R	EPA 3005A	718385	EPA 6020B	718456
92619171021	DUP-2	EPA 3005A	718385	EPA 6020B	718456
92619171022	FB-3	EPA 3005A	718385	EPA 6020B	718456
92619171023	GWC-18	EPA 3005A	718385	EPA 6020B	718456
92619171024	GWC-18R	EPA 3005A	718385	EPA 6020B	718456
92619171025	GWC-21R	EPA 3005A	718385	EPA 6020B	718456
92619171026	GWC-22R	EPA 3005A	718385	EPA 6020B	718456
92619171027	DUP-3	EPA 3005A	719812	EPA 6020B	719875
92619171028	FB-4	EPA 3005A	719812	EPA 6020B	719875
92619171029	GWC-16R	EPA 3005A	719812	EPA 6020B	719875
92619171030	GWC-17R	EPA 3005A	719833	EPA 6020B	719944
92619171031	GWC-23R	EPA 3005A	719833	EPA 6020B	719944
92619171032	FB-5	EPA 3005A	719833	EPA 6020B	719944
92619171001	GWA-38	EPA 7470A	719863	EPA 7470A	720168
92619171002	GWA-52	EPA 7470A	719863	EPA 7470A	720168
92619171003	GWA-54	EPA 7470A	719863	EPA 7470A	720168
92619171004	GWA-56	EPA 7470A	719863	EPA 7470A	720168
92619171005	DUP-1	EPA 7470A	719863	EPA 7470A	720168
92619171006	FB-1	EPA 7470A	719863	EPA 7470A	720168

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92619171007	GWA-36A	EPA 7470A	719863	EPA 7470A	720168
92619171008	GWA-36RA	EPA 7470A	719863	EPA 7470A	720168
92619171009	GWA-37	EPA 7470A	719863	EPA 7470A	720168
92619171010	GWA-53	EPA 7470A	719863	EPA 7470A	720168
92619171011	GWA-53R	EPA 7470A	719863	EPA 7470A	720168
92619171012	GWA-55	EPA 7470A	719863	EPA 7470A	720168
92619171013	GWA-55R	EPA 7470A	719863	EPA 7470A	720168
92619171014	FB-2	EPA 7470A	719863	EPA 7470A	720168
92619171015	EB-1	EPA 7470A	719863	EPA 7470A	720168
92619171016	GWA-51RZ	EPA 7470A	719863	EPA 7470A	720168
92619171017	GWC-19R	EPA 7470A	719863	EPA 7470A	720168
92619171018	GWC-20R	EPA 7470A	719863	EPA 7470A	720168
92619171019	GWC-24R	EPA 7470A	719863	EPA 7470A	720168
92619171020	GWC-25R	EPA 7470A	719863	EPA 7470A	720168
92619171021	DUP-2	EPA 7470A	719865	EPA 7470A	720169
92619171022	FB-3	EPA 7470A	719865	EPA 7470A	720169
92619171023	GWC-18	EPA 7470A	719865	EPA 7470A	720169
92619171024	GWC-18R	EPA 7470A	719865	EPA 7470A	720169
92619171025	GWC-21R	EPA 7470A	719865	EPA 7470A	720169
92619171026	GWC-22R	EPA 7470A	719865	EPA 7470A	720169
92619171027	DUP-3	EPA 7470A	719865	EPA 7470A	720169
92619171028	FB-4	EPA 7470A	719865	EPA 7470A	720169
92619171029	GWC-16R	EPA 7470A	719865	EPA 7470A	720169
92619171030	GWC-17R	EPA 7470A	719865	EPA 7470A	720169
92619171031	GWC-23R	EPA 7470A	719865	EPA 7470A	720169
92619171032	FB-5	EPA 7470A	719865	EPA 7470A	720169
92619171001	GWA-38	SM 2540C-2015	716396		
92619171002	GWA-52	SM 2540C-2015	715879		
92619171003	GWA-54	SM 2540C-2015	716396		
92619171004	GWA-56	SM 2540C-2015	715879		
92619171005	DUP-1	SM 2540C-2015	715879		
92619171006	FB-1	SM 2540C-2015	715879		
92619171007	GWA-36A	SM 2540C-2015	716789		
92619171008	GWA-36RA	SM 2540C-2015	716789		
92619171009	GWA-37	SM 2540C-2015	716789		
92619171010	GWA-53	SM 2540C-2015	716789		
92619171011	GWA-53R	SM 2540C-2015	716789		
92619171012	GWA-55	SM 2540C-2015	716789		
92619171013	GWA-55R	SM 2540C-2015	716789		
92619171014	FB-2	SM 2540C-2015	716789		
92619171015	EB-1	SM 2540C-2015	716789		
92619171016	GWA-51RZ	SM 2540C-2015	716789		
92619171017	GWC-19R	SM 2540C-2015	716789		
92619171018	GWC-20R	SM 2540C-2015	716789		
92619171019	GWC-24R	SM 2540C-2015	716789		
92619171020	GWC-25R	SM 2540C-2015	716789		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92619171021	DUP-2	SM 2540C-2015	716789		
92619171022	FB-3	SM 2540C-2015	716789		
92619171023	GWC-18	SM 2540C-2015	716789		
92619171024	GWC-18R	SM 2540C-2015	716789		
92619171025	GWC-21R	SM 2540C-2015	716789		
92619171026	GWC-22R	SM 2540C-2015	716789		
92619171027	DUP-3	SM 2540C-2015	717151		
92619171028	FB-4	SM 2540C-2015	717151		
92619171029	GWC-16R	SM 2540C-2015	717424		
92619171030	GWC-17R	SM 2540C-2015	717424		
92619171031	GWC-23R	SM 2540C-2015	717426		
92619171032	FB-5	SM 2540C-2015	717426		
92619171001	GWA-38	EPA 300.0 Rev 2.1 1993	717492		
92619171002	GWA-52	EPA 300.0 Rev 2.1 1993	717492		
92619171003	GWA-54	EPA 300.0 Rev 2.1 1993	717794		
92619171004	GWA-56	EPA 300.0 Rev 2.1 1993	717794		
92619171005	DUP-1	EPA 300.0 Rev 2.1 1993	717794		
92619171006	FB-1	EPA 300.0 Rev 2.1 1993	717794		
92619171007	GWA-36A	EPA 300.0 Rev 2.1 1993	718416		
92619171008	GWA-36RA	EPA 300.0 Rev 2.1 1993	718416		
92619171009	GWA-37	EPA 300.0 Rev 2.1 1993	718416		
92619171010	GWA-53	EPA 300.0 Rev 2.1 1993	718416		
92619171011	GWA-53R	EPA 300.0 Rev 2.1 1993	718416		
92619171012	GWA-55	EPA 300.0 Rev 2.1 1993	718416		
92619171013	GWA-55R	EPA 300.0 Rev 2.1 1993	718416		
92619171014	FB-2	EPA 300.0 Rev 2.1 1993	718416		
92619171015	EB-1	EPA 300.0 Rev 2.1 1993	718416		
92619171016	GWA-51RZ	EPA 300.0 Rev 2.1 1993	718416		
92619171017	GWC-19R	EPA 300.0 Rev 2.1 1993	718416		
92619171018	GWC-20R	EPA 300.0 Rev 2.1 1993	718416		
92619171019	GWC-24R	EPA 300.0 Rev 2.1 1993	718416		
92619171020	GWC-25R	EPA 300.0 Rev 2.1 1993	718416		
92619171021	DUP-2	EPA 300.0 Rev 2.1 1993	718488		
92619171022	FB-3	EPA 300.0 Rev 2.1 1993	718488		
92619171023	GWC-18	EPA 300.0 Rev 2.1 1993	718488		
92619171024	GWC-18R	EPA 300.0 Rev 2.1 1993	718488		
92619171025	GWC-21R	EPA 300.0 Rev 2.1 1993	718488		
92619171026	GWC-22R	EPA 300.0 Rev 2.1 1993	718488		
92619171027	DUP-3	EPA 300.0 Rev 2.1 1993	718488		
92619171028	FB-4	EPA 300.0 Rev 2.1 1993	718488		
92619171029	GWC-16R	EPA 300.0 Rev 2.1 1993	718644		
92619171030	GWC-17R	EPA 300.0 Rev 2.1 1993	718644		
92619171031	GWC-23R	EPA 300.0 Rev 2.1 1993	718644		
92619171032	FB-5	EPA 300.0 Rev 2.1 1993	718644		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92619171



Courier: Commercial Fed Ex Pace UPS USPS Client Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8/8/22 [Signature]

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID:

214

Type of Ice:

Wet Blue None

Cooler Temp:

1.2

Correction Factor: Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

1.2

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	W	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

pH Strip Lot# 10D4611

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

WO#: 92619171

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Col form, TOC, Oil and Grease, DRO/8015 (water) DOC, L.Hg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

PM: NMG

Due Date: 08/22/22

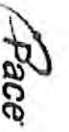
CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA N82S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																														
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pass-standards-terms.pdf>.

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Required Client Information: Company: Georgia Power, Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308, Email: kofjrnk@southemco.com, Phone: (470) 217-0008, Requested Due Date: Standard

Section B Required Project Information: Report To: Kristen Jurino, Cassidy Suberland, Copy To: Laura Midoff, Ben Hodges, Mike Smiley, Project Name: Bowen LF Cells 3&4, Project #: [blank]

Section C Invoice Information: Attention: [blank], Company Name: Georgia Power, Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308, Pace Project Manager: nicole.d'oleo@pacelabs.com, Pace Profile #: 10950-4

Page: 3 Of 3

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	State / Location
					DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					
25	DU-P-1	WG	G	WG	8/5/22	—	3	2	1											
26	DU-P-2	WG	G	WG																
27	DU-P-3	WG	G	WG																
28	FB-1	WG	G	WG	8/5/22	1155	3	2	1											
29	FB-2	WG	G	WG																
30	FB-3	WG	G	WG																
31	FB-4	WG	G	WG																
32	FB-5	WG	G	WG																
33	EB-1	WG	G	WG																
34	EB-2	WG	G	WG																
35	EB-3	WG	G	WG																
36																				

ADDITIONAL COMMENTS: [blank]

REQUISISHED BY / AFFILIATION: [blank]

DATE: [blank]

TIME: [blank]

ACCEPTED BY / AFFILIATION: [blank]

DATE: [blank]

TIME: [blank]

SAMPLER NAME AND SIGNATURE: [blank]

PRINT Name of SAMPLER: Meredith Duncan, Will Locker, Robert Mull

SIGNATURE of SAMPLER: [blank]

DATE Signed: 8/5/22

TEMP in C: [blank]

Received on Ice (Y/N): [blank]

Custody Sealed Cooler (Y/N): [blank]

Samples intact (Y/N): [blank]



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92619171

PM: NMG

Due Date: 08/22/22

CLIENT: GA-GA Power

Courier: Fed Ex UPS USPS Client Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8/11/22 L2 Con

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer: IR Gun ID: 230

Type of Ice: Wet Blue None

Cooler Temp: 3.1 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.1

USDA Regulated Soil (N/A, water sample)

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	W	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

pH Strip Lot# 10D4611

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO#: 92619171

Exceptions: VOA, Col form, TOC, OI and Grease, DRO/8015 (water) DOC, L/Hg

PM: NMG

Due Date: 08/22/22

**Bottom half of box is to list number of bottles

CLIENT: GA-GA Power

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



DC#_ Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

WO#: 92619171

PM: NMG

Due Date: 08/22/22

CLIENT: GA-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFW-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>.

Section A

Required Client Information:
 Company: Georgia Power
 Address: 241 Ralph McGill Blvd. NE
 Atlanta, GA 30308
 Email: kjunink@southernco.com
 Phone: (470) 217-0008
 Requested Due Date: Standard

Report To: Kristen Juninko, Cassidy Sutherland
Copy To: Laura Mickliff, Ben Hodges, Mike Smalley
 Neelisa Gangi
 Bowen LF Cells 344

Invoice Information:
 Attention: Georgia Power
 Company Name: Georgia Power
 Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308
 Pace Quote:
 Pace Project Manager: nicole.d'otelo@pacelabs.com,
 Pace Profile #: 10850-4

Regulatory Agency:
State / Location: GA

Section B

Required Project Information:
 Report To: Kristen Juninko, Cassidy Sutherland
 Copy To: Laura Mickliff, Ben Hodges, Mike Smalley
 Neelisa Gangi
 Bowen LF Cells 344

Project Information:
 Project Name: Bowen LF Cells 344
 Project #: 10850-4

Section C

Requested Analysis Filtered (Y/N)

MATRIX	CODE	Y/N
Drinking Water	DW	
Water	WT	
Waste Water	WW	
Product	P	
Soil/Sediment	SL	
Oil	OL	
Wipe	WP	
Air	AR	
Other	OT	
Tissue	TS	

ITEM #	MATRIX	CODE	SAMPLE TYPE (G-GRAB C-COMP)	DATE	TIME	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analytes Test	Y/N	Requested Analysis Filtered (Y/N)	TEMP IN C		SAMPLE CONDITIONS	
													Received on	Temp	Intact	Cooler
25	DUP-1	WG	G						H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Other	Li/V + Stable Metals Cl, F, SO4 TDS						
26	DUP-2	WG	G													
27	DUP-3	WG	G	8/10/22	-			32	1							
28	FB-1	WG	G													
29	FB-2	WG	G													
30	FB-3	WG	G													
31	FB-4	WG	G	8/10/22	1400			32	1							
32	FB-5	WG	G													
33	EB-1	WG	G													
34	EB-2	WG	G													
35	EB-3	WG	G													
36																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Received on	Temp	Intact	Cooler
	Will Locker	8/11/22	0800	Stephen Wilson	8/11/22	0800				
	Stephan Wilson	8/11/22	0902	Ryan William / Pace	8/11/22	0912				
	Ryan William / Pace	8/11/22	1154	Charles Hulse	8/11/22	1157				

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Meredith Duncan, Robert Mull
 SIGNATURE of SAMPLER: *Meredith Duncan* DATE Signed: 8/10/22

November 17, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen LF Cells 3&4
Pace Project No.: 92634569

Dear Joju Abraham:

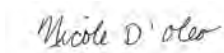
Enclosed are the analytical results for sample(s) received by the laboratory on November 03, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Ms. Lauren Petty, Southern Company
Michael Smilley, Georgia Power
Brian Steele, Stantec
Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: Bowen LF Cells 3&4
Pace Project No.: 92634569

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92634569001	GWC-23R	Water	11/03/22 09:37	11/03/22 12:10
92634569002	DUP-1	Water	11/03/22 00:00	11/03/22 12:10
92634569003	FB-1	Water	11/03/22 10:20	11/03/22 12:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92634569001	GWC-23R	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92634569002	DUP-1	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92634569003	FB-1	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	1

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92634569001	GWC-23R					
	Performed by	Customer			11/04/22 16:51	
	pH	6.65	Std. Units		11/04/22 16:51	
SM 2540C-2015	Total Dissolved Solids	573	mg/L	25.0	11/04/22 18:17	
EPA 300.0 Rev 2.1 1993	Sulfate	137	mg/L	3.0	11/05/22 07:21	
92634569002	DUP-1					
SM 2540C-2015	Total Dissolved Solids	547	mg/L	25.0	11/04/22 18:17	
EPA 300.0 Rev 2.1 1993	Sulfate	135	mg/L	3.0	11/05/22 07:35	
92634569003	FB-1					
SM 2540C-2015	Total Dissolved Solids	72.0	mg/L	25.0	11/04/22 18:18	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Sample: GWC-23R									
Lab ID: 92634569001									
Collected: 11/03/22 09:37									
Received: 11/03/22 12:10									
Matrix: Water									
Field Data									
Analytical Method:									
Pace Analytical Services - Charlotte									
Performed by	Customer				1		11/04/22 16:51		
pH	6.65	Std. Units			1		11/04/22 16:51		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	573	mg/L	25.0	25.0	1		11/04/22 18:17		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	137	mg/L	3.0	1.5	3		11/05/22 07:21	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Sample: DUP-1		Lab ID: 92634569002		Collected: 11/03/22 00:00	Received: 11/03/22 12:10	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	547	mg/L	25.0	25.0	1		11/04/22 18:17		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Sulfate	135	mg/L	3.0	1.5	3		11/05/22 07:35	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Sample: FB-1		Lab ID: 92634569003		Collected: 11/03/22 10:20	Received: 11/03/22 12:10	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	72.0	mg/L	25.0	25.0	1		11/04/22 18:18		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		11/05/22 03:51	14808-79-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92634569

QC Batch: 734861 Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92634569001, 92634569002, 92634569003

METHOD BLANK: 3824811 Matrix: Water
Associated Lab Samples: 92634569001, 92634569002, 92634569003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	11/04/22 19:33	

LABORATORY CONTROL SAMPLE: 3824812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	372	93	80-120	

SAMPLE DUPLICATE: 3824813

Parameter	Units	92634425001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	824	812	1	10	

SAMPLE DUPLICATE: 3824814

Parameter	Units	92634210001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1090	2660	84	10 D6	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
Pace Project No.: 92634569

QC Batch: 734912 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92634569001, 92634569002, 92634569003

METHOD BLANK: 3824932 Matrix: Water
Associated Lab Samples: 92634569001, 92634569002, 92634569003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/L	ND	1.0	0.50	11/04/22 23:15	

LABORATORY CONTROL SAMPLE: 3824933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	50	49.8	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3824934 3824935

Parameter	Units	92634083005		3824934		3824935		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Sulfate	mg/L	ND	ND	50	50	54.1	54.6	107	109	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3826259 3826260

Parameter	Units	92634656004		3826259		3826260		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Sulfate	mg/L	59.3	59.3	50	50	106	106	94	92	90-110	1	10	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92634569001	GWC-23R				
92634569001	GWC-23R	SM 2540C-2015	734861		
92634569002	DUP-1	SM 2540C-2015	734861		
92634569003	FB-1	SM 2540C-2015	734861		
92634569001	GWC-23R	EPA 300.0 Rev 2.1 1993	734912		
92634569002	DUP-1	EPA 300.0 Rev 2.1 1993	734912		
92634569003	FB-1	EPA 300.0 Rev 2.1 1993	734912		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #:

WO#: 92634569



92634569

Courier:

Commercial Fed Ex Pace UPS USPS Other: Client

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer:

IR Gun ID: 230 Type of Ice: Wet Blue None

Cooler Temp: 6.8 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 6.8

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Date/Initials Person Examining Contents: 7/13/22 A1

Biological Tissue Frozen?

Yes No N/A

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		9.
-Includes Date/Time/ID/Analysis Matrix: W G			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

~~On Receipt~~

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

WO# : 92634569

Project #

PM: NMG

Due Date: 11/17/22

CLIENT: GA-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGJU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

APPENDIX B BORING LOGS



Log updated with revised survey certified 3/23/2021
 Ground Surface Elevation (feet, NAVD88): **688.02**
 Top of PVC Casing Elevation (feet, NAVD88): **690.94**

WELL CONSTRUCTION LOG

Southern Company Generation

PROJECT:	Plant Bowen CCB	DRILLING CO.:	Boart Longyear	WELL
LOCATION:	Cells 3 and 4	RIG TYPE:	Rotosonic	GWC-23R
LOGGER:	C. Sellers	DRILLING METHODS:	Rotosonic	
DATE CONSTRUCTED:	6/28/2011			

		DEPTH FEET	ELEVATION FT, MSL
Locking Hinged Top		TOP OF RISER	2.54 691.41
1/4-inch Vent			
1/4-inch Weep Hole			
4-ft x 4-ft concrete pad		GROUND SURFACE	0.00 688.87
	PROTECTIVE CASING SIZE: 4x4-inch TYPE: Anodized Aluminum	BOTTOM OF PROTECTIVE CASING	
	BACKFILL MATERIAL TYPE: Portland Cement/Grout Slurry AMOUNT: 45 gallons		
	RISER CASING DIA: 2-inch TYPE: Schedule 40 PVC JOINT TYPE: Flush Threaded	TOP OF SEAL	18.00 670.87
	ANNULAR SEAL TYPE: 50 lbs bags of bentonite chips AMOUNT: 4 - 50 lbs bags PLACEMENT: Wash with water	TOP OF FILTER PACK	34.40 654.47
	FILTER PACK TYPE: DSI Sand #1A Drillers Services, Inc. AMOUNT: 4 bags / 50 lbs bags PLACEMENT: Wash with water	BOTTOM OF RISER / TOP OF SCREEN	36.70 652.17
	SCREEN DIA: 2-inch inner/3.75-inch outer TYPE: Schedule 40 PVC Prepack OPENING WIDTH: 0.01-inch OPENING TYPE: Slotted SLOT SPACING: 0.25-inch SLOT LENGTH: 1.5-inch	BOTTOM OF SCREEN	46.70 642.17
Flush-threaded end cap		BOTTOM OF CASING	47.00 641.87
	HOLE DIA: 6"		

Log updated with revised survey certified 3/23/2021
 Ground Surface Elevation (feet, NAVD88): **688.02**
 Top of PVC Casing Elevation (feet, NAVDI88): **690.94**

 <small>Energy to Serve Your World™</small>	DRILLING LOG			Hole No. GWC-23R
	GEOLOGICAL SERVICES			Sheet 1 of 2
SITE Plant Bowen CCB Disposal Facility HOLE DEPTH 47.0' SURF.ELEV. 688.87				
LOCATION Cells 3 and 4		COORDINATES N 1506700.85 E 2074447.26		
ANGLE 90	BEARING NA	CONTRACTOR Boart Longyear	DRILL NO. NA	
DRILLING METHOD Rotosonic		NO. SAMPLES Continuous	NO. U.D. SAMPLES NA	
CASING SIZE 6"	LENGTH NA	CORE SIZE 4"	TOTAL % REC. NA	
WATER TABLE DEPTH 33.35	ELEV. 655.52	TIME AFTER COMP. 1 hour	DATE TAKEN 6/28/2011	
TYPE GROUT NA	QUANTITY NA	MIX NA	DRILLING START DATE 6/28/2011	
DRILLER Boart	RECORDER C. Sellers	APPROVED D. Brooks	DRILLING COMP. DATE 6/28/2011	

Depth	Elev.	Material Description, Classification and Remarks	Sample No.	Standard Penetration Test			Comments	% Rec	RQD
				From	To	Blows			
0	730.66								
1	687.87	Top Soil							
2	686.87								
3	685.87								
4	684.87								
5	683.87	CLAY; silty;reddish brown							
6	682.87								
7	681.87	Chert; white; dry							
8	680.87								
9	679.87	SILT; clayey; brown; trace chert gravel							
10	678.87								
11	677.87								
12	676.87								
13	675.87								
14	674.87								
15	673.87								
16	672.87								
17	671.87	dolostone; some chert; dry							
18	670.87								
19	669.87								
20	668.87								
21	667.87								
22	666.87	CLAY; silty; reddish brown; chert gravel throughout							
23	665.87								
24	664.87								



DRILLING LOG
GEOLOGICAL SERVICES

Hole No. GWC-23R

Sheet 2 of 2

SITE Plant Bowen CCB Disposal Facility Cells 3 and 4 TOTAL DEPTH 47.0' SURF.ELEV. 688.87

Depth	Elev.	Material Description, Classification and Remarks	Sample No.	Standard Penetration Test			Comments	% Rec	RQD
				From	To	Blows			
25	663.87								
26	662.87								
27	661.87								
28	660.87								
29	659.87								
30	658.87								
31	657.87								
32	656.87	Dolostone; blue gray; very little fractures red staining at 28'							
33	655.87								
34	654.87								
35	653.87								
36	652.87								
37	651.87								
38	650.87								
39	649.87	SAA							
40	648.87								
41	647.87								
42	646.87								
43	645.87								
44	644.87								
45	643.87	Dolostone; blue gray; very fractured; red staining							
46	642.87								
47	641.87								
48	640.87	BOH @ 47.0' bgs							
49	639.87								
50	638.87								
51	637.87								
52	636.87								
53	635.87								
54	634.87								
55	633.87								
56	632.87								

WELL CONSTRUCTION LOG - ESEE DATABASE.GDT - 5/20/15 13:17 - S:\WORKGROUPS\APC GENERAL SERVICE COMPLEX\CIVIL TECH SUPPORT\DRILLING\PROJECTS\BOWEN\ICB WELLS 2015\CELLS 3-4 WELLS\BORING LOGS\PLANT BOWEN CELLS 3 & 4 WEL

Log updated with revised survey certified 3/23/2021
 Ground Surface Elevation (feet, NAVD88): **689.14**
 Top of PVC Casing Elevation (feet, NAVD188): **692.17**

WELL: GWA-56
 PAGE 1 OF 3
 ECS37738



LOG OF WELL CONSTRUCTION

SOUTHERN COMPANY SERVICES, INC.
 EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Bowen Cells 3 & 4 Wells
LOCATION Cartersville, GA

DATE STARTED 4/14/2015 **COMPLETED** 4/16/2015 **SURF. ELEV.** 689.14 **COORDINATES:** N 1506128.38 E 2074633.08
CONTRACTOR Cascade Drilling **EQUIPMENT** 7868 **METHOD** Sonic
DRILLED BY J. Sigler **LOGGED BY** B. Smelser **CHECKED BY** L. Millet **ANGLE** _____ **BEARING** _____
BORING DEPTH 82.96 ft. **GROUND WATER DEPTH: DURING** 43 ft. **COMP.** 38.8 ft. **DELAYED** 39.02 ft. after 100 hrs.
NOTES TOC Elevation 692.17, Sonic Drilling - 7"OD Casing in Overburden, 6"OD Casing in Rock, 4"OD Core Well installed. Refer to well data sheet.

DEPTH (ft)	GROUNDWATER OBSERVATIONS	WELL DATA		NOTES
		ELEVATION	Completion: Protective aluminum cover with bollards; 4-foot square concrete pad	
0		689.14		
5		685.14		
10				
15				
20				
25				
30				

← Surface Seal: Concrete

← Annular Fill: Portland Cement-Bentonite Grout (12 - 47lbs bags PC, 1 - 50lbs bags Gel, 65 gal. Water)

(Continued Next Page)

WELL CONSTRUCTION LOG - ESEE DATABASE.GDT - 5/20/15 13:17 - S:\WORKGROUPS\APC GENERAL SERVICE COMPLEX\CIVIL TECH SUPPORT\DRILLING\PROJECTS\BOWEN\ICGB WELLS 2015\CELLS 3-4 WELLS\BORING LOGS\PLANT BOWEN CELLS 3 & 4 WEL



LOG OF WELL CONSTRUCTION

SOUTHERN COMPANY SERVICES, INC.
 EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Bowen Cells 3 & 4 Wells
LOCATION Cartersville, GA

DEPTH (ft)	GROUNDWATER OBSERVATIONS	ELEVATION	WELL DATA	NOTES
35 40 45 50 55 60 65		654.14	Completion: Protective aluminum cover with bollards; 4-foot square concrete pad (CONTINUED) Annular Fill: Portland Cement-Bentonite Grout (12 - 47lbs bags PC, 1 - 50lbs bags Gel, 65 gal. Water) Annular Seal: Pel-Plug 3/8 Bentonite Coated Pellets (5 - 5gal buckets (69.8'-60.0')) and Baroid Hole Plug 3/8 Chips (10 - 50lbs bags (60.0'-35.0'))	

(Continued Next Page)

Log updated with revised survey certified 3/23/2021
 Ground Surface Elevation (feet, NAVD88): **689.14**
 Top of PVC Casing Elevation (feet, NAVD88): **692.17**

BORING GWA-56
 PAGE 1 OF 3
 ECS37738



LOG OF TEST BORING

SOUTHERN COMPANY SERVICES, INC.
 EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Bowen Cells 3 & 4 Wells
 LOCATION Cartersville, GA

DATE STARTED 4/14/2015 COMPLETED 4/16/2015 SURF. ELEV. 689.14 COORDINATES: N 1506128.38 E 2074633.08
 CONTRACTOR Cascade Drilling EQUIPMENT 7868 METHOD Sonic
 DRILLED BY J. Sigler LOGGED BY B. Smelser CHECKED BY L. Millet ANGLE BEARING
 BORING DEPTH 82.96 ft. GROUND WATER DEPTH: DURING 43 ft. COMP. 38.8 ft. DELAYED 39.02 ft. after 100 hrs.
 NOTES TOC Elevation 692.17, Sonic Drilling - 7"OD Casing in Overburden, 6"OD Casing in Rock, 4"OD Core Well installed. Refer to well data sheet.

GEOLOGY LOG COLOR GAMMA - ESEE DATABASE GDT - 5/20/15 13:24 - S:\WORKGROUPO\SPAC GENERAL SERVICE COMPLEX\CIVIL TECH SUPPORT\DRILLING\PROJECTS\BOWEN\CELLS 3-4 WELLS\BORING LOGS\PLANT BOWEN CELLS 3 & 4

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION	HCL REACTION Weak Moderate Strong	COMMENTS	Natural Gamma		
						55	110	165
0 - 5		Silty Clay (CL-ML) - dusky red / dark reddish brown (10R 3/4) fill dry, very stiff to hard, low plastic			Soil density gauged by thumb penetration			
5 - 10		Silt (ML) - dusky red / dark reddish brown (10R 3/4) fill dry, very stiff, trace interbedded clay lenses and medium to coarse/subangular to subrounded/brittle to friable dolomite fragments - trace mottling red (10R 5/6) and light brown (7.5YR 6/4) residuum dry, very stiff, white with reddish staining/medium to very coarse/angular to subangular dolomite fragments, trace chert fragments						
10 - 20		Elastic Silt (MH) - mottled red (10R 4/8), yellowish red (5YR 5/8) and light gray (10YR 7/1) residuum moist, very stiff to stiff, low plastic, white to light gray interbedded ML, light gray clayey zones have increased plasticity, trace light gray to white angular dolomite and chert fragments						
20 - 30		Gravelly Lean Clay (CL) - trace mottling yellowish red (5YR 5/8) and red (2.5YR 4/8) residuum moist, very stiff to stiff, low to medium plastic, abundant gray to dark brown/medium cobble/angular to subangular chert fragments, trace dolomite fragments						

(Continued Next Page)



LOG OF TEST BORING

BORING GWA-56
PAGE 2 OF 3
ECS37738

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Bowen Cells 3 & 4 Wells
LOCATION Cartersville, GA

GEOLOGY LOG COLOR GAMMA - ESEE DATABASE GDT - 5/20/15 13:25 - S:\WORKGROUPO\SP\GENERAL SERVICE COMPLEX\CIVIL TECH SUPPORT\DRILLING\PROJECTS\BOWEN\ICB WELLS 2015\CELLS 3-4 WELLS\BORING LOGS\PLANT BOWEN CELLS 3 & 4

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION	HCL REACTION <small>Weak Moderate Strong</small>	COMMENTS	Natural Gamma		
						55	110	165
35		Gravelly Lean Clay (CL) (Cont')						
40								
45		Sandy Lean Clay (CL) - red (2.5YR 5/8) and reddish yellow (7.5YR 6/6) residuum wet, medium stiff to soft, low to medium plastic, trace very coarse to cobble size angular chert fragments						
		Chert (ledge)			Limited Recovery			
50		VOID - possible solution cavity (48'-68') - mud filled void, no recovery						
55								
60								
65								

(Continued Next Page)

