2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Georgia

July 31, 2025

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CERTIFICATION STATEMENT

This *2025 Annual Groundwater Monitoring and Corrective Action Report, Plant Arkwright, Ash Pond 3 Landfill and Monofill* has been prepared in accordance with the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 and 391-3-4.14 by a qualified groundwater scientist or engineer with Stantec Consulting Services, Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.

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Table of Contents

EXECUTIVE SUMMARY III

ACRONYMS / ABBREVIATIONS V

1.0 INTRODUCTION 1

1.1 Site Description and Background 1
1.2 Regional Geology & Hydrogeologic Setting 2
1.2.1 Site Geology 2
1.2.2 Site Hydrogeology 3
1.3 Groundwater Monitoring System 3

2.0 GROUNDWATER MONITORING ACTIVITIES 4

2.1 Monitoring Well Installation and Maintenance 4
2.2 Assessment Monitoring 4
2.3 Surface Water Sampling and Additional Groundwater Sampling 4

3.0 SAMPLE METHODOLOGY & ANALYSES 6

3.1 Groundwater Elevation Measurements and Flow Direction 6
3.2 Groundwater Gradient and Flow Velocity 6
3.3 Groundwater Sampling 7
3.4 Surface Water Sampling 7
3.5 Laboratory Analyses 8
3.6 Quality Assurance & Quality Control 8

4.0 STATISTICAL ANALYSES 9

4.1 Statistical Method 9
4.2 Appendix I and Appendix III Statistical Method 9
4.3 Appendix IV Statistical Method 10
4.4 Statistical Analyses Results - Appendix I and Appendix III 10
4.5 Statistical Analyses Results - Appendix IV 10

5.0 NATURE AND EXTENT 12

6.0 MONITORING PROGRAM STATUS 13

6.1 Assessment of Corrective Measures 13

7.0 CONCLUSIONS & FUTURE ACTIONS 14

8.0 REFERENCES 15

LIST OF TABLES

Table 1 Summary of Monitoring Well Construction
Table 2 Groundwater Sampling Event Summary
Table 3 Summary of Groundwater Elevations
Table 4 Groundwater Flow Velocity Calculations
Table 5 Analytical Data Summary – Groundwater, August 2024, February 2025, April 2025, and June 2025
Table 6 Analytical Data Summary – Surface Water, August 2024 and February 2025
Table 7 Summary of Groundwater Protection Standards

LIST OF FIGURES

Figure 1 Site Location Map
Figure 2 Detection Monitoring Network Well, Assessment Monitoring Well, Piezometer, and Sampling Locations Map
Figure 3 Potentiometric Surface Contour Map, Ash Pond 3 Landfill and Monofill – August 19, 2024
Figure 4 Potentiometric Surface Contour Map, Ash Pond 3 Landfill and Monofill – February 3, 2025
Figure 5 Isoconcentration Map for Cobalt, AP-3 Landfill and Monofill – August 2024
Figure 6 Isoconcentration Map for Cobalt, AP-3 Landfill and Monofill – February 2025

LIST OF APPENDICES

Appendix A Well Inspections
Appendix B Well Installation Report and Sampling Results
Appendix C Field Sampling Data and Analytical Data Reports
C.1 Field Sampling Data
C.2 Calibration Data
C.3 Groundwater and Surface Water Laboratory Analytical Reports
C.4 Data Quality Evaluation
Appendix D Statistical Analyses

Executive Summary

This summary of the *2025 Annual Groundwater Monitoring and Corrective Action Report* provides the status of the groundwater monitoring and corrective action program from July 2024 through June 2025 at the Georgia Power Company (Georgia Power) former Plant Arkwright Ash Pond 3 (AP-3) Landfill and Monofill. This summary was prepared by Stantec Consulting Services Inc. (Stantec) on behalf of Georgia Power to meet the requirements listed in Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management 391-3-4-.10(6)(a)-(c) and 391-3-4-.14.

Plant Arkwright is located in Bibb County, Georgia, approximately 6 miles northwest of the city of Macon. The plant address is 5241 Arkwright Road, Macon, Georgia, 31210. The 46-acre AP-3 Landfill and Monofill are located between Arkwright Road to the west and Riverside Drive to the east. When in operation, the coal-fired Plant Arkwright power plant consisted of four 40-megawatt units. In the years before retirement, the plant was used primarily to provide peaking power and operated approximately 40 to 60 days per year. Plant Arkwright was retired in 2002 and decommissioned in 2003. Georgia Power closed the AP-3 Landfill and Monofill in 2010 with GA EPD's approval and in accordance with the solid waste landfill regulations in effect at the time of its closure.

Plant Arkwright Ash Pond 3 Landfill and Monofill

The groundwater monitoring program for AP-3 Landfill and Monofill is managed in accordance with Georgia Solid Waste Management Rules for Groundwater Monitoring and Corrective Action of a municipal solid waste landfill, Rule 391-3-4.14, per GA EPD Permit No. 011-025D(LI). AP-3 Landfill and Monofill is also subject to the GA EPD Rules for Solid Waste Management 391-3-4-.10 for coal combustion residuals (CCR) management. Georgia Power has elected to remove the CCR from AP-3 Landfill and Monofill to a lined landfill. Groundwater at AP-3 Landfill and Monofill is monitored using a comprehensive groundwater monitoring system that meets GA EPD requirements. Groundwater sampling and reporting for compliance to meet requirements of Rule 391-3-4.10 began after baseline groundwater conditions were established between August 2016 and October 2018 for AP-3 Landfill and Monofill wells, with the exception of upgradient well ARGWA-24, where sampling was initiated in December 2020. Based on groundwater conditions at AP-3 Landfill and Monofill, an assessment monitoring program was initiated on November 13, 2019, and assessment of corrective measures began on July 9, 2020. During the 2024 semi-annual reporting period, AP-3 Landfill and Monofill remained in assessment monitoring as corrective measures were evaluated. A Draft Remedy Selection Report, which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD on February 28, 2024.

As part of pre-design investigation activities, five temporary piezometers were installed in April 2025 in the area surrounding monitoring well ARGWC-17. The temporary piezometers were sampled in May and June 2025 for Appendix III parameters and the Appendix IV parameter cobalt. A summary of sampling results is included in Appendix B and the analytical data is included in Appendix C.

During the 2025 annual reporting period, Stantec conducted two groundwater sampling events in August 2024 and February 2025. Samples were analyzed for the full suites of Appendix III[1] and Appendix IV[2] constituents listed in Title 40, Code of Federal Regulations Part 257 (CCR Rule), and the GA EPD Appendix I constituent silver. Per the CCR Rule, groundwater results for the August 2024 and February 2025 data were evaluated in accordance with the certified statistical methods. Statistical analyses indicate statistically significant increases (SSIs) for Appendix III constituents above the statistical limits and statistically significant levels (SSLs) of Appendix IV constituents above the groundwater protection standards as summarized below. Cobalt is the only SSL identified in a single well, ARGWC-17, at AP-3 Landfill and Monofill.

Appendix III Constituents	**August 2024**
Boron	ARGWC-18
pH	ARGWC-16, ARGWC-17
Appendix IV Constituents	**August 2024**
Cobalt	ARGWC-17

Appendix III Constituents	**February 2025**
Boron	ARGWC-18
pH	ARGWC-16, ARGWC-17
Appendix IV Constituents	**February 2025**
Cobalt	ARGWC-17

Based on review of the CCR Rule Appendix III and Appendix IV statistical results completed for the groundwater monitoring and corrective action program from July 2024 through June 2025, assessment monitoring will continue pending EPD review of the Draft Remedy Selection Report. Georgia Power will continue routine groundwater monitoring and reporting at AP-3 Landfill and Monofill. Reports will be submitted to GA EPD semi-annually.

[1] Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
[2] Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228

Acronyms / Abbreviations

40 CFR	Title 40 Code of Federal Regulations
ACM	Assessment of Corrective Measures
AP-3	Ash Pond 3
CCR	Coal Combustion Residuals
CCR Rule	40 CFR § 257 Subpart D
District	Washington Slope District
DO	Dissolved Oxygen
GA EPD	Georgia Environmental Protection Division
GEL	GEL Laboratories LLC
Georgia Power	Georgia Power Company
GSC	Groundwater Stats Consulting
GWPS	Groundwater Protection Standard
mg/L	micrograms per liter
NAVD88	North American Vertical Datum of 1988
NELAP	National Environmental Laboratory Accreditation Program
NTU	Nephelometric Turbidity Units
ORP	Oxidation-Reduction Potential
Pace	Pace Analytical Services, LLC
PDI	Pre-Design Investigation
PWR	Partially Weathered Rock
QA/QC	Quality Assurance/Quality Control
Site	Former Plant Arkwright Ash Pond 3 Landfill and Monofill
SSI	Statistically Significant Increase
SSL	Statistically Significant Level
Stantec	Stantec Consulting Services, Inc.
TDS	Total Dissolved Solids
Unified Guidance	Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance, March 2009
UPL	Upper Prediction Limit
US EPA	United States Environmental Protection Agency
UTL	Upper Tolerance Limit

1.0 Introduction

In accordance with the Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management 391-3-4-.10(6)(a)-(c) and 391-3-4-.14, this *2025 Annual Groundwater Monitoring and Corrective Action Report* has been prepared to document groundwater monitoring activities conducted at the Georgia Power Company (Georgia Power) former Plant Arkwright Ash Pond 3 (AP-3) Landfill and Monofill (Site). To specify groundwater monitoring requirements, GA EPD Rule 391-3-4-.10(6)(a) incorporates by reference the United States Environmental Protection Agency (US EPA) Title 40 Code of Federal Regulations (40 CFR) § 257 Subpart D - Standards for the Disposal of Coal Combustion Residuals (CCR) in Landfills and Surface Impoundments (CCR Rule). For ease of reference, the applicable CCR Rule references are cited within this report.

Groundwater monitoring and reporting for Plant Arkwright AP-3 Landfill and Monofill are performed in accordance with the monitoring requirements of 40 CFR § 257.90 through § 257.96. This annual report documents the activities completed between July 2024 and June 2025. Two semi-annual assessment monitoring events were conducted during this reporting period in August 2024 and February 2025.

Due to statistically significant levels (SSLs) of certain CCR Rule Appendix IV constituents identified in the *2020 Annual Groundwater Monitoring and Corrective Action Report* (Wood, 2020a), Georgia Power initiated an assessment of corrective measures (ACM) for AP-3 Landfill and Monofill on July 9, 2020, pursuant to 40 CFR § 257.96(b), and an ACM Report was prepared and submitted to GA EPD in December 2020 (Wood, 2020b). Based on statistical analyses on the recent semi-annual sampling events, cobalt is the only constituent showing an SSL in groundwater in a single well (ARGWC-17) at AP-3 Landfill and Monofill. A Draft Remedy Section Report was submitted to GA EPD on February 28, 2024, proposing in-situ injections with monitored natural attenuation as a remedy to address the cobalt SSL at ARGWC-17.

The SSL for cobalt in well ARGWC-17 is horizontally and vertically delineated near AP-3 Landfill and Monofill by wells ARGWC-16 and ARAMW-4, respectively.

1.1 Site Description and Background

Plant Arkwright is located in Bibb County, Georgia, approximately 6 miles northwest of the city of Macon (Figure 1). The physical address of the plant is 5241 Arkwright Road, Macon, Georgia, 31210. The 46-acre AP-3 Landfill and Monofill are located between Arkwright Road to the west and Riverside Drive to the east (Figure 2). When in operation, the coal-fired Plant Arkwright power plant consisted of four 40-megawatt units. In the years before retirement, the plant was used primarily to provide peaking power and operated approximately 40 to 60 days per year. Plant Arkwright was retired in 2002 and decommissioned in 2003.

The AP-3 Landfill and Monofill was initially constructed as a surface impoundment prior to 1958 but did not receive CCR until the 1970s. The CCR unit was closed in 2010 in accordance with the solid waste landfill regulations specified by GA EPD Rule 391-3-4.14, in effect at the time of its closure. Closure construction of AP-3 Landfill and Monofill utilized a geosynthetic clay liner overlain by 18 inches of cover soil. A Closure Certificate was issued by GA EPD for AP-3 Landfill and Monofill on August 19, 2010. The

Closure Certificate initiated the post-closure care period for the CCR unit, which has been performed in accordance with the GA EPD Permit No. 011-025D(LI) following closure.

The unit is also subject to the requirements of relevant portions of GA EPD 391-3-4-.10. The CCR unit referred to as AP-3 Landfill and Monofill is defined as an inactive CCR Landfill per GA EPD Rule 391-3-4-.10(2)(a)(3).

Semi-annual groundwater monitoring at AP-3 Landfill and Monofill is performed for an approved list of analytes in accordance with the post-closure care period requirements of GA EPD Permit No. 011-025D(LI). The permit lists GA EPD 391-3-4-.10 Appendix I constituents as arsenic, barium, cadmium, chloride, lead, selenium, silver, and sulfate. A minor modification approved by GA EPD on August 9, 2017, added the CCR Rule Appendix III and IV sample constituents to the groundwater monitoring plan. The GA EPD Appendix I constituents overlap with the CCR Rule Appendix III and IV constituents with the exception of silver.

Georgia Power has elected to remove CCR material from AP-3 and Monofill and place it in a lined landfill.

1.2 Regional Geology & Hydrogeologic Setting

The geology and hydrogeology of the Plant Arkwright Site are summarized below. The Plant Arkwright Site is located along the southern edge of the Washington Slope District (the District) within the Piedmont Physiographic Province (Clark and Zisa, 1976). The District is characterized by a gently undulating surface, which generally slopes to the south and southeast toward the Coastal Plain Physiographic Province located approximately 3.8 miles to the southeast of the Site.

Topography of the District ranges from approximately 700 feet above mean sea level in the areas of southern Atlanta and Athens to approximately 500 feet above mean sea level at its southern limit along the Georgia Fall Line. Streams follow the surface topography of the underlying crystalline rocks eastward toward the Ocmulgee River. Typically, relief throughout the District ranges between 50 and 100 feet. However, the greatest relief occurs along the Ocmulgee River where the elevation changes from 150 to 200 feet due to steep walled valleys (Clark and Zisa, 1976). Ultimately, the area surface water flow is directed toward the Ocmulgee River.

Bedrock in the region is composed of moderate to high-grade metamorphic rocks, consisting of biotite-granite gneiss, schist, amphibolite, and igneous rocks like granite. In the southernmost Piedmont, around the Site, bedrock is predominantly composed of biotite gneiss. Major geologic structures in the region include the Ocmulgee fault, located approximately 7 miles northwest of the Site, which strikes mostly northeast – southwest. The top of bedrock surface is highly weathered and, where exposed, is generally soft and friable (LeGrand, 1962).

1.2.1 Site Geology

The general geology beneath Plant Arkwright consists of clays, silty and sandy clays, silty sands, sandy silts, and minor gravel at depth, underlain by a silty sand saprolite and bedrock. Historical borings advanced at the Site indicate bedrock occurs at depths ranging from approximately 14 to 63 feet below ground surface and consists of weathered quartzofeldspathic gneiss, hornblende gneiss, and schist. Boring logs also indicate a relatively thin zone of partially weathered rock (PWR) above a more

competent bedrock which ranges in thickness from 1 to 4 feet in the southern and eastern portions of the Site, and up to 14 feet in the northeastern portion of the Site.

1.2.2 Site Hydrogeology

The uppermost aquifer at the Site consists of saturated overburden, PWR, and upper bedrock. The overburden consists of primarily saprolitic material up to 50 feet thick. The PWR is absent to 15 feet thick and locally (within weathered fracture zones) more permeable than the overburden. The PWR is underlain by upper bedrock that has little to no primary (intergranular) porosity and little to no permeability. Accordingly, the observed ability of the upper bedrock to transmit groundwater is dependent on the presence and frequency of open fractures. The upper bedrock is characterized by an increased number of fractures immediately below the overburden/PWR and bedrock contact.

Comparison of recent AP-3 and Monofill groundwater elevation data show that groundwater elevations in the overburden and upper bedrock are nearly identical. This, in combination with observed weathering and discoloration in fractured and weathered zones at the bedrock contact, suggests that groundwater in the overburden and upper bedrock fractures are hydraulically connected and considered to be under unconfined conditions. The monitoring well network for AP-3 Landfill and Monofill (Figure 2) monitors the uppermost aquifer at the Site.

The top of the uppermost aquifer is defined by the (unconfined) water table surface present at depths of approximately 6 to 26 feet bgs at AP-3 and Monofill. The water table surface is typically found within the native soil or saprolite horizons underlying AP-3 and Monofill. The bottom of the uppermost aquifer is competent bedrock below the upper bedrock zone of fractured and weathered bedrock.

Slug testing data from the Site reflects a range of hydraulic conductivities from 10^{-6} to 10^{-3} centimeters per second (0.0028 to 2.835 feet per day) in the water table hydrostratigraphic unit (Southern Company Services, 2005). Groundwater level gauging data from the Site show stable water level trends, and the potentiometric surface maps depict groundwater generally flowing to the south and southeast across AP-3 Landfill and Monofill (Figures 3 and 4).

1.3 Groundwater Monitoring System

Pursuant to 40 CFR § 257.91, Georgia Power installed a groundwater monitoring system within the uppermost aquifer at AP-3 Landfill and Monofill. The groundwater monitoring system is designed to monitor groundwater passing the waste boundary of AP-3 Landfill and Monofill within the uppermost aquifer. Wells were located to serve as upgradient or downgradient monitoring points based on the groundwater flow direction (Table 1). The monitoring well locations are depicted in Figure 2.

2.0 Groundwater Monitoring Activities

The following describes monitoring-related activities performed between July 2024 and June 2025. Samples were collected from each of the wells in the groundwater monitoring system depicted in Figure 2. In accordance with 40 CFR § 257.93, Table 2 presents a summary of groundwater sampling events completed for AP-3 Landfill and Monofill during this monitoring period.

2.1 Monitoring Well Installation and Maintenance

Monitoring wells are inspected semi-annually to determine if repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In August 2024 and February 2025, the monitoring wells were inspected. Minor corrective actions were identified and completed, as documented in Appendix A.

In April 2025, as part of pre-design investigation (PDI) and delineation activities, five temporary piezometers (ARK-PZ-12-TEMP-37, ARK-PZ-13-TEMP-33, ARK-PZ-14-TEMP-40, ARK-PZ-15-TEMP-31, and ARK-PZ-16-TEMP-39) were installed in the overburden in the area surrounding monitoring well ARGWC-17. The well installation report was submitted under separate cover (Stantec, 2025) and is included in Appendix B.

2.2 Assessment Monitoring

Georgia Power implemented assessment monitoring in accordance with 40 CFR § 257.95 in November 2019. During the 2025 annual reporting period, semi-annual assessment monitoring events at AP-3 Landfill and Monofill were conducted from August 20 to 22, 2024, and February 5 to 13, 2025. Groundwater samples were collected from each well in the certified groundwater monitoring system and analyzed for the full suites of CCR Rule Appendix III and Appendix IV constituents and the GA EPD Appendix I constituent silver. Laboratory and field data reports for the August 2024 and February 2025 monitoring events are included in Appendix C**.**

2.3 Surface Water Sampling and Additional Groundwater Sampling

Due to the close proximity of an unnamed tributary to Beaverdam Creek in the vicinity of AP-3 Landfill and Monofill, Georgia Power proactively collected surface water samples to further support the 2020 risk evaluation. Surface water samples were collected from six locations on August 12, 2024 and February 10, 2025, as shown on Figure 2. Five surface water sampling locations are located along the tributary to Beaverdam Creek, and one is located in Beaverdam Creek.

Surface water samples were analyzed for the full suite of 40 CFR Part 257 Appendix III constituents and targeted SSL Appendix IV constituents. Surface water samples were also submitted for analysis of total alkalinity, bicarbonate alkalinity, magnesium, potassium, and sodium. The laboratory reports associated with the August 2024 and February 2025 sampling events are provided in Appendix C.

During the August 2024 and February 2025 semi-annual sampling events, groundwater samples were analyzed for dissolved iron and manganese in addition to the parameters described in Section 2.2.

Dissolved iron and manganese concentrations provide information regarding the oxidation-reduction conditions, which is a key factor influencing the behavior of cobalt in the subsurface. Results are included in the laboratory analytical reports in Appendix C.

The new temporary piezometers and well GWC-17 were sampled in April and June 2025 for Appendix III parameters and the Appendix IV parameter cobalt. Results of sampling temporary piezometers are summarized in Appendix B. Laboratory analytical reports are included in Appendix C.

3.0 Sample Methodology & Analyses

The semi-annual groundwater sampling events completed in August 2024 and February 2025 for AP-3 Landfill and Monofill included sampling for the constituents listed in CCR Rule Appendix III and Appendix IV, with the addition of silver, which is a constituent in GA EPD Appendix I. Groundwater analytical data and chain-of-custody records are located in Appendix C. The following sections describe methods used to conduct groundwater monitoring activities at AP-3 Landfill and Monofill.

3.1 Groundwater Elevation Measurements and Flow Direction

Prior to each sampling event, the static groundwater levels were measured in each monitoring well at AP-3 Landfill and Monofill. The water level indicator was properly decontaminated between each monitoring well. Groundwater elevations are summarized in Table 3. The recorded water level data were used to determine the groundwater elevations in each well and develop potentiometric surface elevation contour maps (Figures 3 and 4). Review of the figures indicates that the apparent groundwater flow direction in the uppermost aquifer is to the southeast in the northern portion of AP-3 Landfill and to the south in the southern portion of AP-3 Landfill and Monofill. This groundwater flow pattern is consistent with historical groundwater flow patterns.

3.2 Groundwater Gradient and Flow Velocity

The groundwater flow velocity at AP-3 Landfill and Monofill was calculated using a derivation of Darcy's Law. Specifically,

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

Where:

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

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

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

$n_e =$ Effective porosity (unitless)

The general groundwater flow velocities were calculated for AP-3 Landfill and Monofill based on hydraulic gradients, average hydraulic conductivity based on previous slug test data, and an estimated effective porosity of 0.10 (based on a review of several sources, including Driscoll, 1986; US EPA, 1989; Freeze and Cherry, 1979). The general groundwater flow velocity values based on August 19, 2024, and February 3, 2025, groundwater elevations are presented in Table 4. The results for groundwater flow velocity across the north/south axis of AP-3 Landfill were 0.24 feet/day (87 feet/year) in August 2024 and 0.23 feet/day (85 feet/year) in February 2025. Groundwater flow velocity between the Monofill and the southern embankment of AP-3 was 0.46 feet/day (170 feet/year) in August 2024 and 0.45 feet/day (170 feet/year) in February 2025. The observed groundwater flow velocities calculated for this monitoring event are generally consistent with expected velocities in the regolith-upper bedrock aquifers of the Georgia Piedmont.

3.3 Groundwater Sampling

Groundwater samples were collected in August 2024 and February 2025. Sampling procedures were conducted in accordance with US EPA Region 4 *Laboratory Services and Applied Science Division Operating Procedures for Groundwater Sampling* (LSASDPROC-301-R6, April 22, 2023). Monitoring wells were purged and sampled using low-flow sampling procedures. Dedicated or non-dedicated low-flow pneumatic bladder or peristaltic pumps were used to purge and sample the wells. An In-Situ Aqua TROLL® 400 field instrument was used to monitor and record field water quality parameters (pH, conductivity, dissolved oxygen [DO], temperature, and oxidation-reduction potential [ORP]) and a Hach 2100Q was used to measure turbidity during well purging to verify stabilization prior to sampling.

Groundwater samples were collected when the following stabilization criteria were met for three (3) consecutive readings measured at five-minute intervals.

- pH ± 0.1 Standard Units
- Specific conductance ± 5 %
- ± 10% for DO where DO > 0.5 milligrams per liter (mg/L). No criterion applies if DO < 0.5 mg/L
- Turbidity measurements less than five Nephelometric Turbidity Units (NTU)
- Temperature – Record only, not used for stabilization criteria
- ORP – Record only, not used for stabilization criteria

Once stabilization was achieved, samples were collected into appropriately preserved laboratory-supplied sample containers. If turbidity readings were greater than 10 NTU at the time of sampling and after 3 hours of purging, a dissolved metals sample would be collected by filtering the water with a 0.45-micron water filter. During the current reporting period filtered samples were collected for ARGWA-14, ARGWC-15, and ARGWC-18 in February 2025 due to turbidity values between 5 and 10 NTU, or due to fluctuating turbidity values during sample collection. Only the total concentration data are used for statistical analysis. Other turbidity readings were below 10 NTUs during the current reporting period, and no additional filtered samples were collected. Sample bottles were placed in ice-packed coolers and submitted to GEL Laboratories LLC (GEL) in Charleston, South Carolina, following chain-of-custody protocols. Stabilization logs and Equipment Calibration forms are included in Appendix C.

3.4 Surface Water Sampling

Surface water samples were collected in August 2024 and February 2025. Sampling was performed in accordance with US EPA Region 4 *Laboratory Services and Applied Science Division Operating Procedures for Surface Water Sampling* (LSASDPROC-201-R6, April 22, 2023).

Surface water samples were analyzed for the full suite of 40 CFR Part 257 Appendix III and targeted SSL Appendix IV constituents. Surface water samples were also submitted for analysis of total alkalinity, bicarbonate alkalinity, magnesium, potassium, and sodium.

Sample bottles were placed in ice-packed coolers and submitted to Pace Analytical Services, LLC (Pace) of Peachtree Corners, Georgia, following chain-of-custody protocol.

3.5 Laboratory Analyses

The groundwater samples were analyzed for CCR Rule Appendix III and Appendix IV constituents, as well as the GA EPD Appendix I constituent silver. The samples were analyzed for additional parameters[3] to assist with ongoing remedy evaluation. Laboratory analyses of the groundwater were performed by GEL, which is accredited by the National Environmental Laboratory Accreditation Program (NELAP) and maintains the NELAP accreditation for the constituents analyzed for this project. Table 5 summarizes the groundwater analytical results, and the corresponding formal analytical reports are in Appendix C.

The August 2024 and February 2025 surface water samples were also analyzed for CCR Rule Appendix III and Appendix IV constituents. Laboratory analyses of the surface water samples were performed by Pace, which is also a NELAP accredited laboratory. Table 6 summarizes the surface water analytical results, and the corresponding formal analytical reports can be found in Appendix C.

3.6 Quality Assurance & Quality Control

During each sampling event, various quality assurance/quality control (QA/QC) samples were collected. Equipment blanks (where non-dedicated sampling equipment was used) were collected at a rate of one QA/QC sample per 10 groundwater samples to assess the adequacy of the decontamination process. Blind field duplicate samples were collected by filling additional containers at the same location during the sampling events at a rate of one QA/QC sample per 10 groundwater samples. Field blanks were also collected to evaluate ambient conditions at the sampling locations at a rate of one QA/QC sample per 10 groundwater samples.

QA/QC of the groundwater data were assessed by performing a data quality evaluation of the laboratory results reported. A data quality evaluation was conducted on the data using laboratory precision and accuracy and analytical method requirements (US EPA, 2002). The data quality evaluations are included in Appendix C.

The analytical results provided in Tables 5 and 6 provide concentrations from the August 2024 and February 2025 groundwater assessment monitoring and surface water sampling events as reported by the laboratories. When values are followed by a “J” flag, this indicates that the value is an estimated analyte concentration detected between the method detection limit and the laboratory reporting limit. The estimated value is positively identified but is below the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions. Radium values followed by a “U” flag indicate that the constituent was not detected above the analytical minimum detectable concentration. The data are considered usable for meeting project objectives and the results are considered valid.

[3] Total alkalinity, bicarbonate alkalinity, carbonate alkalinity, total iron, manganese, total magnesium, potassium, and sodium

4.0 Statistical Analyses

Statistical analyses of GA EPD Appendix I (silver) and CCR Rule Appendix III and Appendix IV constituents were performed on samples collected from the groundwater monitoring system pursuant to 40 CFR § 257.93(f) and following the statistical method for AP-3 Landfill and Monofill. In addition, pursuant to 40 CFR § 257.95(d)(2), Groundwater Protection Standards (GWPS) were established for the Appendix IV constituents from the assessment monitoring event. The groundwater data were statistically analyzed by Groundwater Stats Consulting, LLC (GSC). The reports generated from the analyses are provided in Appendix D.

The following sections provide an overview of the statistical methods used to evaluate the GA EPD Appendix I and CCR Rule Appendix III and Appendix IV constituents and statistical analyses results.

4.1 Statistical Method

The statistical analysis method used at AP-3 Landfill and Monofill was developed by GSC using methodology presented in the Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance, March 2009, EPA 530/R-09-007 (US EPA, 2009) (Unified Guidance). Sanitas™ Statistical Software is a commercially available decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the Unified Guidance. Specific methodology information is described in the following paragraphs.

4.2 Appendix I and Appendix III Statistical Method

Interwell prediction limits were used for the analysis of the six GA EPD Appendix I constituents (arsenic, barium, cadmium, lead, selenium, and silver) and the full suite of CCR Rule Appendix III constituents. A comparison of confidence intervals to GWPS was also used to evaluate the GA EPD Appendix I constituents. When using the interwell method, upgradient well data are pooled to establish a background statistical limit (upper prediction limit [UPL] or in the case of pH, prediction interval) for each constituent. Individual sample results are then compared to the UPL, or prediction interval for pH, to determine if an SSI has occurred for the constituent/well pair. When an initial SSI is identified, a second sample may be collected to verify the initial result.

The interwell prediction limit assumed a 1-of-2 verification resample plan. If data from a sampling event initially indicate an SSI, then a resample may be collected to verify the initial result. In 1-of-2 resampling, one independent resample is collected and evaluated within 90 days to determine whether the initial SSI is verified. If the resample concentration is above the UPL or a resample is not collected, then the initial SSI is verified. If the resample concentration is less than the UPL, then an SSI is not declared.

Data from groundwater samples from downgradient wells collected in the August 2024 and February 2025 monitoring events were compared to the UPLs to evaluate whether SSIs exist. No resampling was conducted for the 2025 annual monitoring period.

4.3 Appendix IV Statistical Method

The assessment monitoring program statistics for CCR Rule Appendix IV and GA EPD Appendix I constituents were conducted in two parts. The first part was to establish the GWPS for each CCR Rule Appendix IV constituent and GA EPD Appendix I constituent (silver). The second part was the calculation of confidence intervals for individual downgradient well/constituent pairs and then comparing them to the GWPS.

Upper Tolerance Limits (UTLs) were calculated from pooled upgradient well data for Appendix IV constituents. Parametric UTLs were calculated when data followed a normal or transformed-normal distribution. When data contained greater than 50% non-detects or were not in a normal or transformed-normal distribution, non-parametric tolerance limits were used. When parametric methods were appropriate, a 95% UTL with 95% coverage was calculated. When non-parametric UTLs were appropriate, the level of confidence could not be pre-specified and was a function of the size of the data set. The level of confidence for the non-parametric UTLs is provided in the GSC August 2024 and February 2025 reports (Appendix D). The background limits were evaluated when determining the GWPS under 40 CFR § 257.95(h).

Table 7 summarizes the background limits established for each CCR Rule Appendix IV constituent and GA EPD Appendix I constituent (silver) and the GWPS established under GA EPD Rules.

To complete the statistical evaluation, confidence intervals were constructed for each downgradient well/constituent pair and compared to the GWPS. In assessment monitoring, an SSL is identified only when the entire confidence interval is above a GWPS in the downgradient well/constituent pair.

4.4 Statistical Analyses Results - Appendix I and Appendix III

Based on review of the GA EPD CCR Rule Appendix III statistical analysis from the August 2024 and February 2025 sampling events, groundwater conditions have not returned to background concentrations and assessment monitoring will continue. Note that GA EPD Appendix I constituent, silver, was not identified as an SSI during the semi-annual sampling events. The statistical analyses and comparisons to prediction limits are included in Appendix D. Additionally, tables contained in Appendix D summarize the various SSIs identified based on the statistical analyses performed on the recent groundwater analytical results.

4.5 Statistical Analyses Results - Appendix IV

The August 2024 and February 2025 GWPS are based on maximum contaminant levels, the GA EPD adopted Federal GWPS (cobalt, molybdenum, lithium, and lead), and site-specific background concentrations as required by GA EPD. Appendix D shows the individual well/constituent pairs for CCR Rule Appendix IV constituents and GA EPD constituent (silver) with their respective confidence intervals in comparison to the respective constituent GWPS. Based on the statistical results presented in Appendix D, the identified SSLs include the following.

- August 2024:
    - Cobalt: ARGWC-17

- February 2025:
    - Cobalt: ARGWC-17

When GWPSs were exceeded, data were further evaluated for trend. Trend testing utilizing the Sen's Slope/Mann Kendall method at the 95% confidence level was used to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient well data were included in the trend analyses for parameters found to exceed their GWPSs in downgradient wells to identify whether similar patterns exist upgradient of the site. Statistically significant trends were identified for the following.

- August 2024
    - Increasing
        - Cobalt: ARGWC-17

No statistically significant trends of cobalt were identified in the February 2025 data.

5.0 Nature and Extent

Based on statistical analysis of Appendix IV groundwater data, the cobalt SSL identified in the compliance well ARGWC-17 is horizontally and vertically delineated to levels below GWPS by ARGWC-16 and ARAMW-4, respectively. The lateral extent of the cobalt SSL is limited to an area around ARGWC-17 as shown on the isoconcentration maps for cobalt presented as Figures 5 and 6. Downgradient well ARGWC-16 and surface water locations downgradient of well ARGWC-17 showed non-detect cobalt concentrations.

6.0 Monitoring Program Status

Pursuant to 40 CFR § 257.96(b), Georgia Power will continue to monitor the groundwater at AP-3 Landfill and Monofill in accordance with the assessment monitoring program regulations in 40 CFR § 257.95 while ACM efforts continue to be evaluated. Pursuant to 40 CFR § 257.95(g)(1)(iv), the assessment monitoring wells will continue to be sampled as part of the ongoing groundwater monitoring program.

6.1 Assessment of Corrective Measures

A Draft Remedy Selection Report (Stantec, 2024) was submitted to GA EPD on February 28, 2024. This report includes

- The current groundwater conceptual site model applicable to evaluating groundwater corrective measures proposed in the ACM Report (Wood, 2020b).
- An evaluation of each corrective measure retained for further consideration following the completed investigations.
- An evaluation of corrective measure options using the comparative criteria such as long- and short-term effectiveness and protectiveness, source control effectiveness, and ease of implementation. The Draft Remedy Selection Report presents geochemical approaches (in-situ injections) coupled with monitored natural attenuation as the proposed groundwater remedy for AP-3 Landfill and Monofill.

In the interim of GA EPD's review of the Draft Remedy Selection Report, Georgia Power continues to make progress towards the selection of a remedy. During the current reporting period, five temporary piezometers were installed and sampled in the vicinity of the cobalt SSL Data will be used for further delineation of the SSL, and results will be used in preparation for future pilot testing at the Site. The Draft Remedy Selection Report proposed in-situ injections with monitored natural attenuation as a remedy, and a Pilot Test Workplan is being prepared to further evaluate and optimize the injection plan. In addition, treatability studies have been completed to determine injectate materials and to identify proper dosage information.

7.0 Conclusions & Future Actions

This *2025 Annual Groundwater Monitoring and Corrective Action Report* was prepared to fulfill the requirements of US EPA's 40 CFR §257.95 and GA EPD Rules for Solid Waste Management 391-3-4-.10. Review of analytical results and statistical analyses indicate an SSL of cobalt in well ARGWC-17, which is above the established GWPS. The extent of cobalt in monitoring well ARGWC-17 is horizontally delineated by downgradient well ARGWC-16 and vertically delineated by monitoring well ARAMW-4. Thus, horizontal and vertical delineation of the cobalt SSL in well ARGWC-17 is completed at the Site.

Georgia Power will continue to monitor AP-3 Landfill and Monofill under the assessment monitoring program pursuant to 40 CFR §257.95. A Draft Remedy Selection Report, which includes additional data collected in support of ACM efforts and summarizes the evaluation and selection of a proposed corrective measure, or measures, was submitted to GA EPD on February 28, 2024. The Draft Remedy Selection Report proposed in-situ injections with monitored natural attenuation as a remedy, and a Pilot Test Workplan is being prepared to further evaluate and optimize the injection plan.

The next semi-annual sampling event is planned for August 2025 and will include sampling and analysis of CCR Rule Appendix III and Appendix IV constituents, as well as permit-specific GA EPD Appendix I constituents.

8.0 References

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TABLES

TABLE 1
SUMMARY OF MONITORING WELL CONSTRUCTION
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, Georgia

Well ID	Well Designation	Hydraulic Location	Northing	Easting	Ground Surface Elevation (feet)	Top of Casing Elevation (feet)	Top of Screen Elevation (feet)	Bottom of Screen Elevation (feet)	Total Well Depth (Feet Below Top of Casing)	Groundwater Zone Screened	Installation Date
ARGWA-3	Detection	Upgradient	1066899.39	2437431.05	386.53	388.33	356.2	346.2	42.3	Overburden	12/09/1992
ARGWA-5	Detection	Upgradient	1066885.12	2437209.22	373.51	376.15	353.8	343.8	32.6	Overburden	01/10/1994
ARGWA-12	Detection	Upgradient	1067003.79	2436788.45	369.27	372.72	349.2	339.2	33.8	Bedrock	12/10/2008
ARGWA-13	Detection	Upgradient	1065951.25	2438129.93	368.10	371.57	337.7	327.7	44.2	Bedrock	12/11/2008
ARGWA-14	Detection	Upgradient	1066023.70	2438384.80	384.94	388.25	339.3	329.3	59.3	Bedrock	02/04/2009
ARGWA-24	Detection	Upgradient	1066895.28	2437012.63	370.85	373.75	355.9	345.9	28.2	Overburden	11/12/2020
ARGWC-7	Detection	Downgradient	1064410.59	2438355.19	348.97	352.42	314.2	304.2	50.0	Overburden	12/11/2003
ARGWC-8	Detection	Downgradient	1064521.98	2437572.92	352.19	355.53	322.6	312.6	43.8	Overburden	12/10/2003
ARGWC-9	Detection	Downgradient	1065139.64	2437297.96	363.44	367.07	338.6	328.6	40.1	Overburden	12/09/2003
ARGWC-10	Detection	Downgradient	1065419.44	2437192.51	367.56	370.67	342.6	332.6	44.6	Overburden	12/09/2003
ARGWC-15	Detection	Downgradient	1065475.43	2438360.90	371.76	375.64	342.1	332.1	43.9	Bedrock	12/04/2008
ARGWC-16	Detection	Downgradient	1065263.69	2438174.15	361.52	364.90	340.2	330.2	35.0	Bedrock	12/15/2008
ARGWC-17	Detection	Downgradient	1065458.82	2438009.52	365.04	368.24	344.5	334.5	34.1	Overburden	12/04/2008
ARGWC-18	Detection	Downgradient	1064482.45	2437961.15	351.92	355.20	314.1	304.1	51.4	Overburden	11/19/2008
ARAMW-4	Assessment	Downgradient	1065463.83	2438004.43	364.56	367.86	320.6	310.6	57.0	Bedrock	11/21/2019
ARAMW-3	Piezometer	Downgradient	1064530.73	2437569.81	352.20	355.39	298.2	288.2	67.0	Bedrock	11/25/2019
ARAMW-6	Piezometer	Downgradient	1064439.35	2437606.99	334.23	337.46	314.2	304.2	32.9	Overburden	11/25/2019

Notes:

Horizontal locations were referenced to Georgia State Plane West, North American Datum of 1983 (NAD 83).
Elevations shown are in datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.

TABLE 2
GROUNDWATER SAMPLING EVENT SUMMARY
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, Georgia

Well ID	Hydraulic Location	Well Designation	August 20 - 22, 2024	February 05 - 13, 2025	April 24, 2025	June 12, 2025
			Assessment Event	Assessment Event	Sampling Event	Sampling Event
Georgia Power Company - Plant Arkwright - Ash Pond 3						
ARGWA-3	Upgradient	Detection	X	X		
ARGWA-5	Upgradient	Detection	X	X		
ARGWA-12	Upgradient	Detection	X	X		
ARGWA-13	Upgradient	Detection	X	X		
ARGWA-14	Upgradient	Detection	X	X		
ARGWA-24	Upgradient	Detection	X	X		
ARGWC-7	Downgradient	Detection	X	X		
ARGWC-8	Downgradient	Detection	X	X		
ARGWC-9	Downgradient	Detection	X	X		
ARGWC-10	Downgradient	Detection	X	X		
ARGWC-15	Downgradient	Detection	X	X		
ARGWC-16	Downgradient	Detection	X	X		
ARGWC-17	Downgradient	Detection	X	X	X	X
ARGWC-18	Downgradient	Detection	X	X		
ARAMW-4	Downgradient	Assessment	X	X		

Notes:
X - Indicates well sampled during event

TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, Georgia

		August 19, 2024		February 3, 2025	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)[1]	Groundwater Elevation (feet)[2]	Depth to Water (feet)[1]	Groundwater Elevation (feet)[2]
ARGWA-3	388.33	35.68	352.65	35.51	352.82
ARGWA-5	376.15	23.59	352.56	23.23	352.92
ARGWA-12	372.72	17.85	354.87	16.49	356.23
ARGWA-13	371.57	25.40	346.17	24.84	346.73
ARGWA-14	388.25	42.78	345.47	41.80	346.45
ARGWA-24	373.75	21.04	352.71	20.58	353.17
ARGWC-7	352.42	25.24	327.18	24.29	328.13
ARGWC-8	355.53	27.81	327.72	26.19	329.34
ARGWC-9	367.07	22.82	344.25	21.56	345.51
ARGWC-10	370.67	23.14	347.53	22.04	348.63
ARGWC-15	375.64	29.92	345.72	30.02	345.62
ARGWC-16	364.9	21.63	343.27	21.19	343.71
ARGWC-17	368.24	22.95	345.29	23.52	344.72
ARGWC-18	355.2	30.02	325.18	29.19	326.01
ARAMW-4	367.86	22.63	345.23	22.16	345.70
ARAMW-3	355.39	27.27	328.12	25.66	329.73
ARAMW-6	337.46	14.84	322.62	13.32	324.14

Notes:
(1) - Groundwater elevations were measured as depth to water from the top of casing (TOC).
(2) - Groundwater elevations are feet referenced to North American Vertical Datum of 1988 (NAVD88).

TABLE 4
GROUNDWATER FLOW VELOCITY CALCULATIONS
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, Georgia

Potentiometric Map Date	Location	Groundwater Elevations in Well Pairs (h_1, h_2) (feet)		Change in Elevation (Δh) (feet)	Distance Measured (L) (feet)	Hydraulic Gradient (i) (feet/foot)	Average Hydraulic Conductivity (K) (feet/day)	Estimated Effective Porosity (n_e)	Calculated Groundwater Flow Velocity (V) (feet/day)	Calculated Groundwater Flow Velocity (V) (feet/year)
August 19, 2024	ARGWA-5 to ARGWC-18	352.56	325.18	27.38	2517	0.011	2.18	0.10	0.24	87
	ARAMW-4 to ARGWC-18	345.23	325.18	20.05	952	0.021	2.18	0.10	0.46	170
February 3, 2025	ARGWA-5 to ARGWC-18	352.92	326.01	26.91	2517	0.011	2.18	0.10	0.23	85
	ARAMW-4 to ARGWC-18	345.70	326.01	19.69	952	0.021	2.18	0.10	0.45	170

Notes:

1. In-situ hydraulic conductivity was estimated using slug test data from four overburden wells at the Plant Arkwright site and averaged 2.18 feet/day (SCS, 2005).

2. Estimated effective porosity values of 10% was selected for the silty sands/sandy silts overburden based on a review of several sources, including Driscoll, 1986; US EPA, 1989; Freeze and Cherry, 1979.

TABLE 5
ANALYTICAL DATA SUMMARY - GROUNDWATER, AUGUST 2024, FEBRUARY 2025, APRIL 2025, AND JUNE 2025
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, GA

	Sample Location	ARGWA-3		ARGWA-5		ARGWA-12		ARGWA-13		ARGWA-14		
	Sample Date	08/20/2024	02/05/2025	08/21/2024	02/05/2025	08/20/2024	02/05/2025	08/21/2024	02/05/2025	08/22/2024	02/05/2025	02/05/2025-Diss
ANALYTE	**UNITS**											
APPENDIX III												
Boron	mg/L	< 0.00520	0.00681 J	0.00762 J	< 0.00520	0.0106 J	0.0165	1.11	0.563	0.0311	0.0347	0.0324
Calcium	mg/L	6.01	5.98	16.4	15.3	11.8	11.8	165	82.0	45.3	41.7	35.4
Chloride	mg/L	2.66	2.66	17.0	24.3	10.6	10.1	6.76	3.88	4.39	3.57	NA
Fluoride	mg/L	0.0574 J	0.0502 J	0.0365 J	< 0.0330	0.0426 J	0.0337 J	0.0387 J	< 0.0660	0.210	0.238	NA
pH, Field	SU	6.05	6.07	5.72	5.75	5.96	5.88	5.79	5.85	NA	6.77	NA
Sulfate	mg/L	0.406	0.453	0.536	0.614	5.98	6.00	741	311	5.41	2.25	NA
TDS	mg/L	80.0	63.0	127	105	120	90.0	1250	512	309	133	NA
APPENDIX IV												
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	0.00102 J	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Barium	mg/L	0.0172	0.0170 J	0.0756	0.0735 J	0.0701	0.0644 J	0.0218	0.0164 J	0.0563	0.0617 J	0.0546
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Chromium	mg/L	0.00320 J	0.00342 J	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.000790 J	0.000989 J	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	0.00366 J	0.00415 J	0.00639 J	0.00468 J	0.00312 J	0.00365 J	0.00368 J
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000249 J	0.000247 J	< 0.000200	< 0.000200	0.000727 J	0.000611 J	0.000523 J
Combined Radium 226 + 228	pCi/L	2.88	3.61	2.59	1.85 U	0.919 U	1.96 U	0.623 U	1.89 U	1.40 U	1.44 U	NA
Selenium	mg/L	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	0.0209	0.00676 J	< 0.00150	< 0.00150	< 0.00150
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
APPENDIX I												
Silver	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	43.4	42.3	65.6	64.2	60.5	53.8	68.2	55.6	225	122	NA
Carbonate Alkalinity as CaCO3	mg/L	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	NA
Total Alkalinity as CaCO3	mg/L	43.4	42.3	65.6	64.2	60.5	53.8	68.2	55.6	225	122	NA
Aluminum	mg/L	0.112	0.0593	< 0.0193	< 0.0193	0.0608	0.0800	0.0483 J	< 0.0193	< 0.0193	0.0295 J	< 0.0193
Iron	mg/L	0.232	0.0807 J	< 0.0330	0.0339 J	0.0665 J	0.141	0.0576 J	< 0.0330	< 0.0330	< 0.0330	NA
Iron, Dissolved	mg/L	< 0.0330	< 0.0330	< 0.0330	< 0.0330	< 0.0330	< 0.0330	< 0.0330	< 0.0330	< 0.0330	< 0.0330	NA
Magnesium	mg/L	3.65	3.54	6.45	6.20	7.68	7.51	114	45.5	8.55	7.46	6.25
Manganese	mg/L	0.00388 J	0.00163 J	0.00296 J	0.00924	0.00128 J	0.00411 J	0.00805	0.00678	< 0.00100	0.00305 J	NA
Manganese, Dissolved	mg/L	< 0.00100	< 0.00100	0.00244 J	0.00904	< 0.00100	0.00255 J	0.00630	0.00505	0.00224 J	0.00205 J	NA
Nitrate Nitrite	mg/L	0.297	NA	0.426	NA	0.512	NA	1.17	NA	0.264	NA	NA
Potassium	mg/L	1.06	0.973	1.58	1.62	1.94	1.66	3.98	2.78	2.99	3.18	2.91
Sodium	mg/L	7.53	7.41	12.7	12.7	12.0	12.1	17.5	11.6	56.0	61.6	55.2

Notes:

mg/L - milligrams per liter
pCi/L - picocuries per liter
SU - Standard Units
NA - Indicates not analyzed
TDS - Total dissolved solids
Diss - Field filtered sample analyzed for dissolved constituents
< - Indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U.
The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 5
ANALYTICAL DATA SUMMARY - GROUNDWATER, AUGUST 2024, FEBRUARY 2025, APRIL 2025, AND JUNE 2025
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, GA

	Sample Location	ARGWA-24		ARGWC-7		ARGWC-8		ARGWC-9		ARGWC-10	
	Sample Date	08/20/2024	02/05/2025	08/21/2024	02/05/2025	08/21/2024	02/05/2025	08/21/2024	02/05/2025	08/21/2024	02/05/2025
ANALYTE	UNITS										
APPENDIX III											
Boron	mg/L	0.00663 J	0.0122 J	0.0724	0.0749	0.877	0.913	0.00660 J	0.00699 J	0.00605 J	0.00539 J
Calcium	mg/L	9.12	9.20	8.99	9.35	43.4	44.3	4.65	4.85	7.87	8.09
Chloride	mg/L	8.27	7.11	4.45	4.33	5.59	5.28	4.93	4.83	3.99	3.91
Fluoride	mg/L	0.0399 J	< 0.0330	< 0.0330	< 0.0330	0.139	0.212	0.0405 J	< 0.0330	0.0630 J	0.0351 J
pH, Field	SU	5.71	5.73	5.74	5.83	6.51	6.47	5.97	5.97	5.96	5.96
Sulfate	mg/L	5.37	5.07	32.1	46.0	48.7	61.7	1.42	1.47	0.492	0.557
TDS	mg/L	95.0	96.0	119	87.0	266	214	74.0	58.0	90.0	69.0
APPENDIX IV											
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Barium	mg/L	0.0344	0.0353 J	0.0473	0.0521 J	0.0585	0.0601 J	0.0363	0.0381 J	0.0328	0.0346 J
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	0.00302 J	< 0.00300	< 0.00300	0.00727 J	0.00691 J	0.00501 J	0.00513 J
Cobalt	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	< 0.00300	0.00317 J	< 0.00300	0.00372 J	0.00349 J	0.00367 J	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.0377	0.0394 J	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Combined Radium 226 + 228	pCi/L	2.87	1.83	2.53	3.13	0.519 U	1.09 U	1.25 U	1.09 U	1.46 U	1.50 U
Selenium	mg/L	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
APPENDIX I											
Silver	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Additional Parameters											
Bicarbonate Alkalinity as CaCO3	mg/L	52.3	53.6	25.6	25.4	157	159	25.1	25.9	49.8	50.2
Carbonate Alkalinity as CaCO3	mg/L	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725
Total Alkalinity as CaCO3	mg/L	52.3	53.6	25.6	25.4	157	159	25.1	25.9	49.8	50.2
Aluminum	mg/L	0.0280 J	< 0.0193	< 0.0193	< 0.0193	0.0332 J	0.0547	0.331	< 0.0193	0.275	0.123
Iron	mg/L	0.0467 J	< 0.0330	0.0347 J	< 0.0330	0.0372 J	0.0620 J	0.226	< 0.0330	0.166	0.145
Iron, Dissolved	mg/L	0.0578 J	< 0.0330	< 0.0330	< 0.0330	< 0.0330	< 0.0330	< 0.0330	< 0.0330	< 0.0330	0.0665 J
Magnesium	mg/L	5.80	5.79	7.73	7.93	19.7	19.2	2.10	2.16	4.07	4.13
Manganese	mg/L	0.00264 J	0.00346 J	0.00109 J	< 0.00100	0.349	0.341	0.00683	< 0.00100	0.00512	0.00382 J
Manganese, Dissolved	mg/L	0.00285 J	0.00344 J	< 0.00100	< 0.00100	0.339	0.332	< 0.00100	< 0.00100	0.00171 J	0.00197 J
Nitrate Nitrite	mg/L	0.326	NA	0.254	NA	< 0.00700	NA	0.694	NA	0.160	NA
Potassium	mg/L	0.764	0.744	0.918	0.926	1.73	1.74	1.71	1.78	0.742	0.729
Sodium	mg/L	11.9	13.1	5.67	5.66	13.4	13.3	6.57	6.56	9.85	10.1

Notes:

mg/L - milligrams per liter
pCi/L - picocuries per liter
SU - Standard Units
NA - Indicates not analyzed
TDS - Total dissolved solids
Diss - Field filtered sample analyzed for dissolved constituents
< - Indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U.
The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 5
ANALYTICAL DATA SUMMARY - GROUNDWATER, AUGUST 2024, FEBRUARY 2025, APRIL 2025, AND JUNE 2025
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, GA

	Sample Location	ARGWC-15			ARGWC-16		ARGWC-17			
	Sample Date	08/21/2024	02/13/2025	02/13/2025-Diss	08/21/2024	02/05/2025	08/21/2024	02/05/2025	04/24/2025	06/12/2025
ANALYTE	UNITS									
APPENDIX III										
Boron	mg/L	0.0103 J	0.00936 J	0.0101 J	0.449	0.593	0.0575	0.0540	0.0531	0.0685
Calcium	mg/L	26.1	17.6	17.9	69.9	78.4	24.2	18.9	21.6	17.3
Chloride	mg/L	2.55	2.48	NA	5.71	5.63	2.76	2.63	2.61	2.43
Fluoride	mg/L	0.0719 J	0.0561 J	NA	< 0.0330	< 0.0660	< 0.0330	< 0.0660	0.0503 J	< 0.0330
pH, Field	SU	6.26	6.17	NA	5.24	5.18	5.15	5.07	5.10	5.05
Sulfate	mg/L	4.47	4.29	NA	350	405	143	118	113	107
TDS	mg/L	168	114	NA	601	637	235	155	200	185
APPENDIX IV										
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	NA	NA
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	NA	NA
Barium	mg/L	0.0390	0.0229 J	0.0221 J	0.0349	0.0373 J	0.0480	0.0426 J	NA	NA
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000344 J	0.000265 J	NA	NA
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	NA
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	NA	NA
Cobalt	mg/L	0.00230	0.00127 J	0.000875 J	< 0.000300	< 0.000300	0.0256	0.0172 J	0.0177	0.0134
Lead	mg/L	0.000948 J	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	NA	NA
Lithium	mg/L	< 0.00300	0.00369 J	0.00412 J	< 0.00300	< 0.00300	< 0.00300	< 0.00300	NA	NA
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	NA	NA
Molybdenum	mg/L	0.00192	0.00105 J	0.00105 J	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	NA
Combined Radium 226 + 228	pCi/L	1.73 U	2.66	NA	1.48	2.69	2.51	0.390 U	NA	NA
Selenium	mg/L	< 0.00150	< 0.00150	< 0.00150	0.00497 J	0.00451 J	< 0.00150	< 0.00150	NA	NA
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA	NA
APPENDIX I										
Silver	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	NA
Additional Parameters										
Bicarbonate Alkalinity as CaCO3	mg/L	122	97.9	NA	10.0	15.4	7.90	8.50	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	< 0.725	< 0.725	NA	< 0.725	< 0.725	< 0.725	< 0.725	NA	NA
Total Alkalinity as CaCO3	mg/L	122	97.9	NA	10.0	15.4	7.90	8.50	NA	NA
Aluminum	mg/L	2.11	0.122	< 0.0193	0.0246 J	0.0277 J	0.0392 J	0.0216 J	NA	NA
Iron	mg/L	2.76	0.152	NA	< 0.0330	0.0414 J	0.169	0.0986 J	NA	NA
Iron, Dissolved	mg/L	< 0.0330	< 0.0330	NA	< 0.0330	< 0.0330	0.137	0.0800 J	NA	NA
Magnesium	mg/L	9.14	8.18	8.21	48.3	53.9	21.2	15.7	NA	NA
Manganese	mg/L	0.0260	0.00278 J	NA	0.315	0.400	1.33	0.950	NA	NA
Manganese, Dissolved	mg/L	< 0.00100	< 0.00100	NA	0.308	0.398	1.32	0.938	NA	NA
Nitrate Nitrite	mg/L	0.536	NA	NA	0.549	NA	0.440	NA	NA	NA
Potassium	mg/L	7.57	7.51	7.89	4.24	4.69	1.17	1.05	NA	NA
Sodium	mg/L	8.39	7.71	7.95	17.2	18.4	8.09	5.92	NA	NA

Notes:

mg/L - milligrams per liter
pCi/L - picocuries per liter
SU - Standard Units
NA - Indicates not analyzed
TDS - Total dissolved solids
Diss - Field filtered sample analyzed for dissolved constituents
< - Indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U.
The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 5
ANALYTICAL DATA SUMMARY - GROUNDWATER, AUGUST 2024, FEBRUARY 2025, APRIL 2025, AND JUNE 2025
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, GA

	Sample Location	ARGWC-18			ARAMW-4	
	Sample Date	08/21/2024	02/05/2025	02/05/2025-Diss	08/21/2024	02/05/2025
ANALYTE	UNITS					
APPENDIX III						
Boron	mg/L	2.47	2.32	2.69	0.693	0.772
Calcium	mg/L	48.9	53.3	56.0	315	328
Chloride	mg/L	6.72	6.35	NA	5.28	5.36
Fluoride	mg/L	0.0683 J	0.0860 J	NA	0.0693 J	< 0.165
pH, Field	SU	6	6.04	NA	5.62	5.55
Sulfate	mg/L	199	199	NA	1310	1460
TDS	mg/L	460	428	NA	1860	2180
APPENDIX IV						
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	0.00219 J	< 0.00200
Barium	mg/L	0.0355	0.0382 J	0.0353	0.0298	0.0316 J
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	0.000451 J	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.00108	0.000995 J	0.000960 J	0.00199	0.00204 J
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	0.00449 J	0.00450 J	0.00471 J	0.0165	0.0159 J
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	< 0.000200	< 0.000200	< 0.000200	0.000218 J	0.000201 J
Combined Radium 226 + 228	pCi/L	1.82 U	1.82 U	NA	1.60 U	1.03 U
Selenium	mg/L	< 0.00150	< 0.00150	< 0.00150	0.00323 J	0.00257 J
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
APPENDIX I						
Silver	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Additional Parameters						
Bicarbonate Alkalinity as CaCO3	mg/L	120	121	NA	50.6	51.4
Carbonate Alkalinity as CaCO3	mg/L	< 0.725	< 0.725	NA	< 0.725	< 0.725
Total Alkalinity as CaCO3	mg/L	120	121	NA	50.6	51.4
Aluminum	mg/L	0.451	0.213	0.0878	< 0.0193	< 0.0193
Iron	mg/L	1.63	1.56	NA	1.06	1.27
Iron, Dissolved	mg/L	1.32	1.16	NA	1.31	1.03
Magnesium	mg/L	40.5	42.2	45.2	146	152
Manganese	mg/L	0.902	0.894	NA	0.522	0.553
Manganese, Dissolved	mg/L	0.903	0.873	NA	0.547	0.531
Nitrate Nitrite	mg/L	< 0.00700	NA	NA	0.0320	NA
Potassium	mg/L	2.29	2.34	2.37	11.4	11.7
Sodium	mg/L	11.9	12.6	13.3	28.7	29.2

Notes:

mg/L - milligrams per liter
pCi/L - picocuries per liter
SU - Standard Units
NA - Indicates not analyzed
TDS - Total dissolved solids
Diss - Field filtered sample analyzed for dissolved constituents
< - Indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.
Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U.
The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 6
ANALYTICAL DATA SUMMARY - SURFACE WATER, AUGUST 2024 AND FEBRUARY 2025
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, Georgia

Sample Location		BT-1.6		BT-1.3		BT-1.2		BT-1.1		BT-1.0		BC-0.8b	
Sample Date		08/12/2024	02/10/2025	08/12/2024	02/10/2025	08/12/2024	02/10/2025	08/12/2024	02/10/2025	08/12/2024	02/10/2025	08/12/2024	02/10/2025
ANALYTE	UNITS												
APPENDIX III													
Boron	mg/L	< 0.040	< 0.050	< 0.040	0.052	< 0.040	0.058	< 0.040	0.060	< 0.040	0.057	< 0.040	< 0.050
Calcium	mg/L	8.8	9.2	10.4	13.7	10.4	14.6	9.8	13.5	5.9	14.0	11.0	8.7
Chloride	mg/L	5.5	4.1	4.3	5.2	4.1	5.2	3.9	5.1	3.7	5.1	7.7	8.5
Fluoride	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
pH, Field	SU	6.83	6.58	6.63	6.94	6.75	6.97	7.21	7.07	7.33	7.08	7.40	7.20
Sulfate	mg/L	2.3	1.8	2.5	18.5	2.3	22.5	3.3	22.6	5.1	22.3	4.2	5.0
TDS	mg/L	208	101	100	123	89.0	124	122	123	90.0	119	118	76.0
APPENDIX IV													
Cobalt	mg/L	< 0.0050	< 0.0010	< 0.0050	0.0080	< 0.0050	0.0096	< 0.0050	0.0014	< 0.0050	0.0013	< 0.0050	< 0.0010
Additional Parameters													
Alkalinity Total as CaCO3	mg/L	48.6	50.1	58.6	59.3	59.7	57.8	54.1	56.6	37.5	55.4	54.7	40.7
Bicarbonate Alkalinity as CaCO3	mg/L	48.6	50.1	58.6	59.3	59.7	57.8	54.1	56.6	37.5	55.4	54.7	40.7
Magnesium	mg/L	4.9	5.7	6.3	8.7	6.3	9.1	5.8	9.4	4.9	8.8	4.7	4.0
Potassium	mg/L	1.8	< 5.0	0.79	< 5.0	< 0.50	< 5.0	< 0.50	< 5.0	0.88	< 5.0	2.3	< 5.0
Sodium	mg/L	5.7	6.7	6.4	7.7	6.2	7.9	6.0	8.0	5.6	7.6	8.7	9.0

Notes:
mg/L - milligrams per liter
SU - Standard Units
< - Indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
TDS - Total dissolved solids

TABLE 7
SUMMARY OF GROUNDWATER PROTECTION STANDARDS
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, Georgia

PLANT ARKWRIGHT AP-3 LANDFILL GWPS							
Constituent Name	**UNITS**	**MCL**	**CCR-Rule Specified[1]**	**Site Specific Background Limit[2] August 2024**	**State GWPS August 2024**	**Site Specific Background Limit[2] February 2025**	**State GWPS February 2025**
Antimony	mg/L	0.006		0.003	0.006	0.003	0.006
Arsenic	mg/L	0.01		0.006	0.01	0.0059	0.01
Barium	mg/L	2		0.24	2	0.24	2
Beryllium	mg/L	0.004		0.0005	0.004	0.0005	0.004
Cadmium	mg/L	0.005		0.0043	0.005	0.0043	0.005
Chromium	mg/L	0.1		0.014	0.1	0.014	0.1
Cobalt	mg/L	n/a	0.006	0.0058	0.006	0.0058	0.006
Combined Radium	pCi/L	5		4.25	5	4.25	5
Fluoride	mg/L	4		0.53	4	0.53	4
Lead	mg/L	n/a	0.015	0.013	0.015	0.013	0.015
Lithium	mg/L	n/a	0.04	0.01	0.04	0.01	0.04
Mercury	mg/L	0.002		0.0002	0.002	0.0002	0.002
Molybdenum	mg/L	n/a	0.1	0.004	0.1	0.004	0.1
Selenium	mg/L	0.05		0.034	0.05	0.034	0.05
Silver	mg/L	n/a		0.0051	0.0051	0.0051	0.0051
Thallium	mg/L	0.002		0.002	0.002	0.002	0.002

Notes:

mg/L - milligrams per liter

pCi/L - picoCuries per liter

n/a - constituent does not have an established MCL

MCL - Maximum Contaminant Level

GWPS - Groundwater Protection Standard

CCR - Coal Combustion Residuals

GA EPD = Georgia Environmental Protection Division

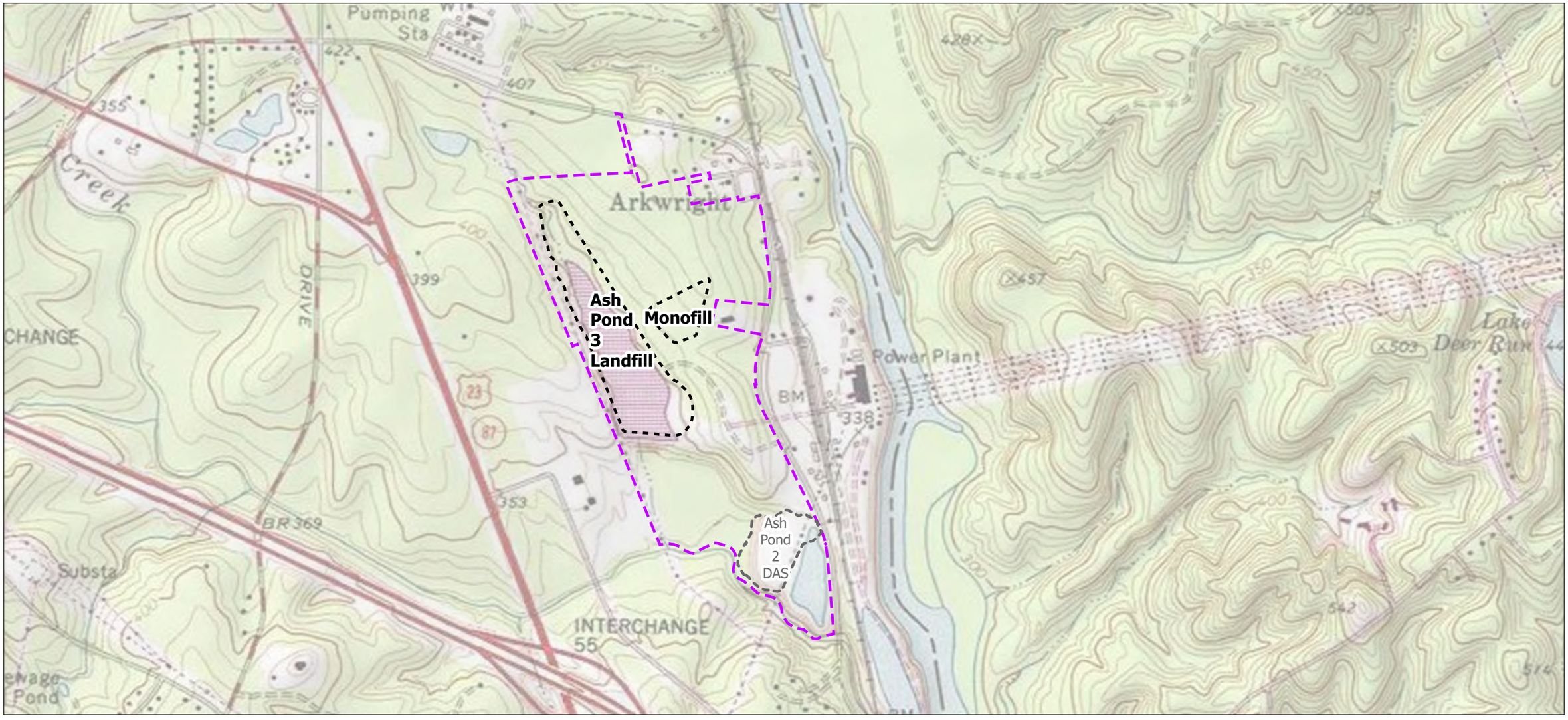
US EPA = United Stated Environmental Protection Agency

CFR = Code of Federal Regulations

[1] GA EPD incorporated the US EPA GWPS into the current GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a) on February 22, 2022.

[2] The background limits are evaluated when determining the groundwater protection standard (GWPS) under 40 CFR § 257.95(h) and 391-3-4-.10(6)(a).

FIGURES



Notes
1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Tax Parcel and AP-3 Landfill Boundary provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Background: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Copyright:© 2013 National Geographic Society, i-cubed

Legend

- Approximate Property Boundary
- Ash Pond 2 Dry Ash Stockpile (DAS) (approximate location)
- Ash Pond 3 Landfill and Monofill (approximate location)

0 1,000 2,000 Feet

(At original document size of 11x17)
1:12,000

N

Stantec

Georgia Power

Project Location
Macon, Georgia

Prepared by DMB on 5/8/2025
TR by AS on 5/8/2025
IR by JK on 5/8/2025

Client/Project 175569434
Georgia Power
2025 Annual Groundwater Monitoring and Corrective Action Report
Plant Arkwright Ash Pond 3 Landfill and Monofill

Figure No.
1

Title
Site Location Map

Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

Notes

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Ash Pond Boundaries, Surface Water Samples, Monitoring Wells, Piezometers, Property Boundary, and Beaverdam Creek locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Background: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Plant imagery provided by client and is dated 1/2/2025.

Legend

- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- Staff Gauge
- Surface Water Sampling Location
- Approximate Property Boundary
- Ash Pond 3 Landfill and Monofill (approximate location)
- Limit of Client Imagery (dated 1/2/2025)

0 450 900 Feet

(At original document size of 11x17)
1:5,400

N

Stantec

Georgia Power

Project Location
Macon, Georgia

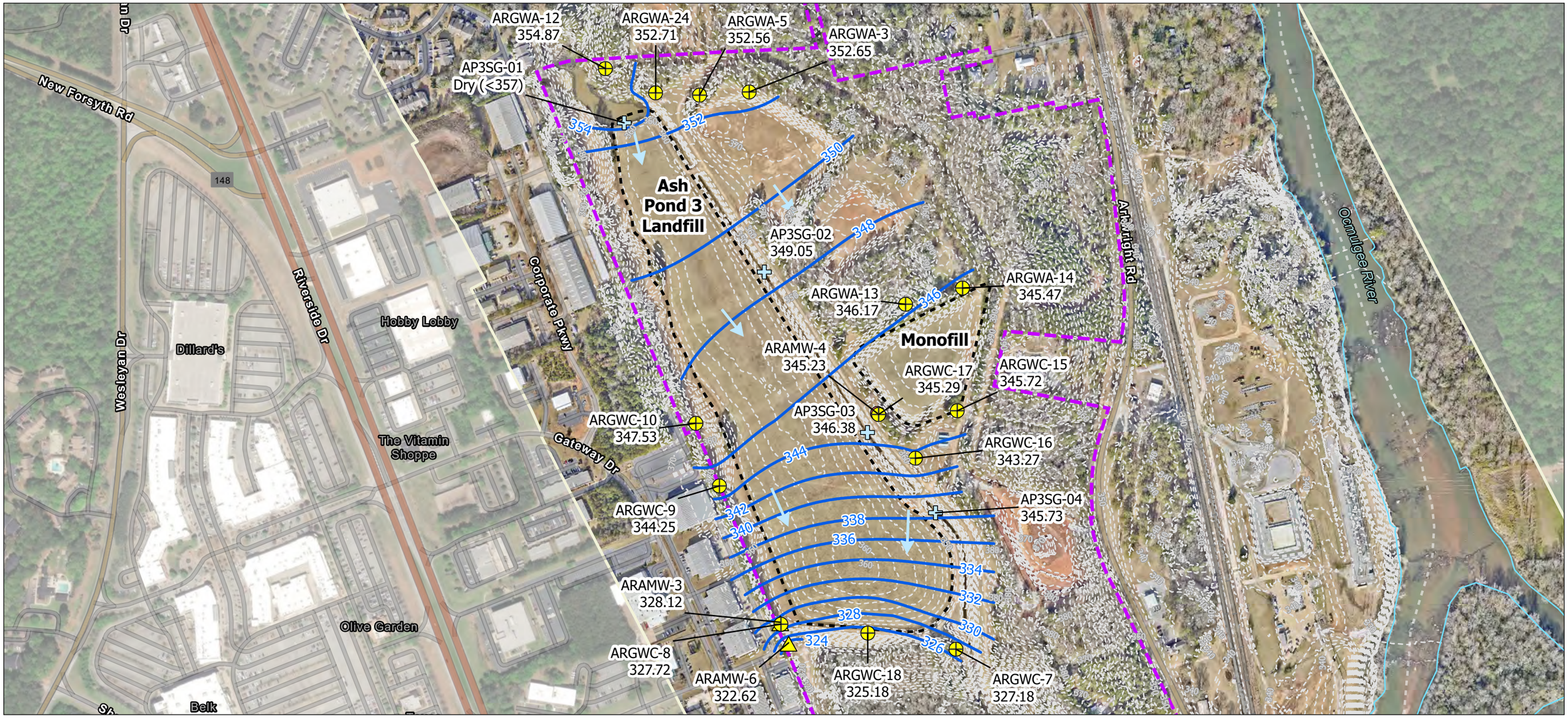
Prepared by DMB on 5/8/2025
TR by AS on 5/8/2025
IR by JK on 5/8/2025

Client/Project 175569434
Georgia Power
2025 Annual Groundwater Monitoring and Corrective Action Report
Plant Arkwright Ash Pond 3 Landfill and Monofill

Figure No.
2

Title
Detection Monitoring Network Well, Assessment Monitoring Well, Piezometer, and Sampling Locations Map

Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.



Notes

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Ash Pond Boundaries, Monitoring Wells, Property Boundary, Topography, and Beaverdam Creek provided by Southern Company Services and Wood Environment & Infrastructure Solutions; Contours, Flow Arrow, and Ocmulgee River provided by Stantec
3. Background: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS. Plant imagery provided by client and is dated 1/22/2024.

Legend

- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- Staff Gauge
- Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour (feet (ft) NAVD88)
- Ocmulgee River (Approximate)
- Topographic Contour 2024 (2 ft interval)
- Approximate Property Boundary
- Ash Pond 3 Landfill and Monofill (approximate location)

Limit of Client Imagery (dated 1/22/2024)

328.12 Groundwater Elevation (ft NAVD88)
NAVD88 - North American Vertical Datum of 1988

KATIE T. ROSS
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 1776

0 450 900 Feet
(At original document size of 11x17)
1:5,400

N

Stantec

Georgia Power

Project Location
Macon, Georgia

Prepared by DMB on 2/10/2025
TR by CS on 2/10/2025
IR by JK on 2/10/2025

Client/Project 175569434
Georgia Power
2025 Annual Groundwater Monitoring and Corrective Action Report
Plant Arkwright Ash Pond 3 Landfill and Monofill

Figure No.
3

Title
Potentiometric Surface Contour Map Ash Pond 3 Landfill and Monofill - August 19, 2024

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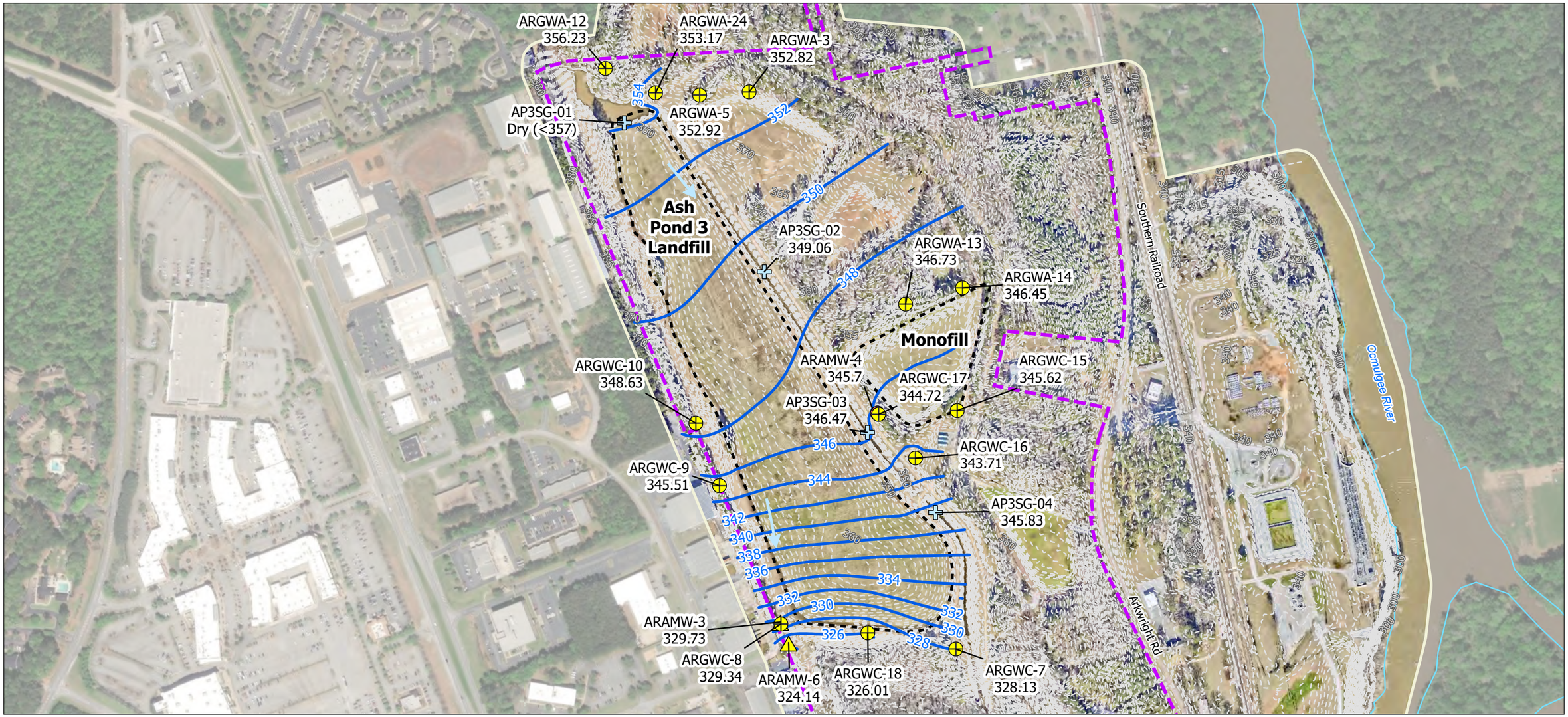

Notes

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2. Data Sources: Ash Pond Boundaries, Monitoring Wells, Property Boundary, Topography, and Beaverdam Creek provided by Southern Company Services and Wood Environment & Infrastructure Solutions; Contours, Flow Arrow, and Ocmulgee River provided by Stantec
3. Background: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Plant imagery provided by client and is dated 1/2/2025.

Legend

- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- Staff Gauge
- Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour (feet (ft) NAVD88)
- Ocmulgee River (Approximate)
- Topographic Contour Dec 2024 (1 ft interval)
- Approximate Property Boundary
- Ash Pond 3 Landfill and Monofill (approximate location)
- Limit of Client Imagery (dated 1/2/2025)

AP3SG-04 was not used for contouring
329.73 Groundwater Elevation (ft NAVD88)
NAVD88 - North American Vertical Datum of 1988

KATIE T. ROSS
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 1775

0 450 900 Feet
(At original document size of 11x17)
1:5,400

N

Stantec

Georgia Power

Project Location
Macon, Georgia

Prepared by DMB on 5/27/2025
TR by AS on 5/27/2025
IR by JK on 5/27/2025

Client/Project 175569434
Georgia Power
2025 Annual Groundwater Monitoring and Corrective Action Report
Plant Arkwright Ash Pond 3 Landfill and Monofill

Figure No.
4

Title
Potentiometric Surface Contour Map
Ash Pond 3 Landfill and Monofill -
February 3, 2025

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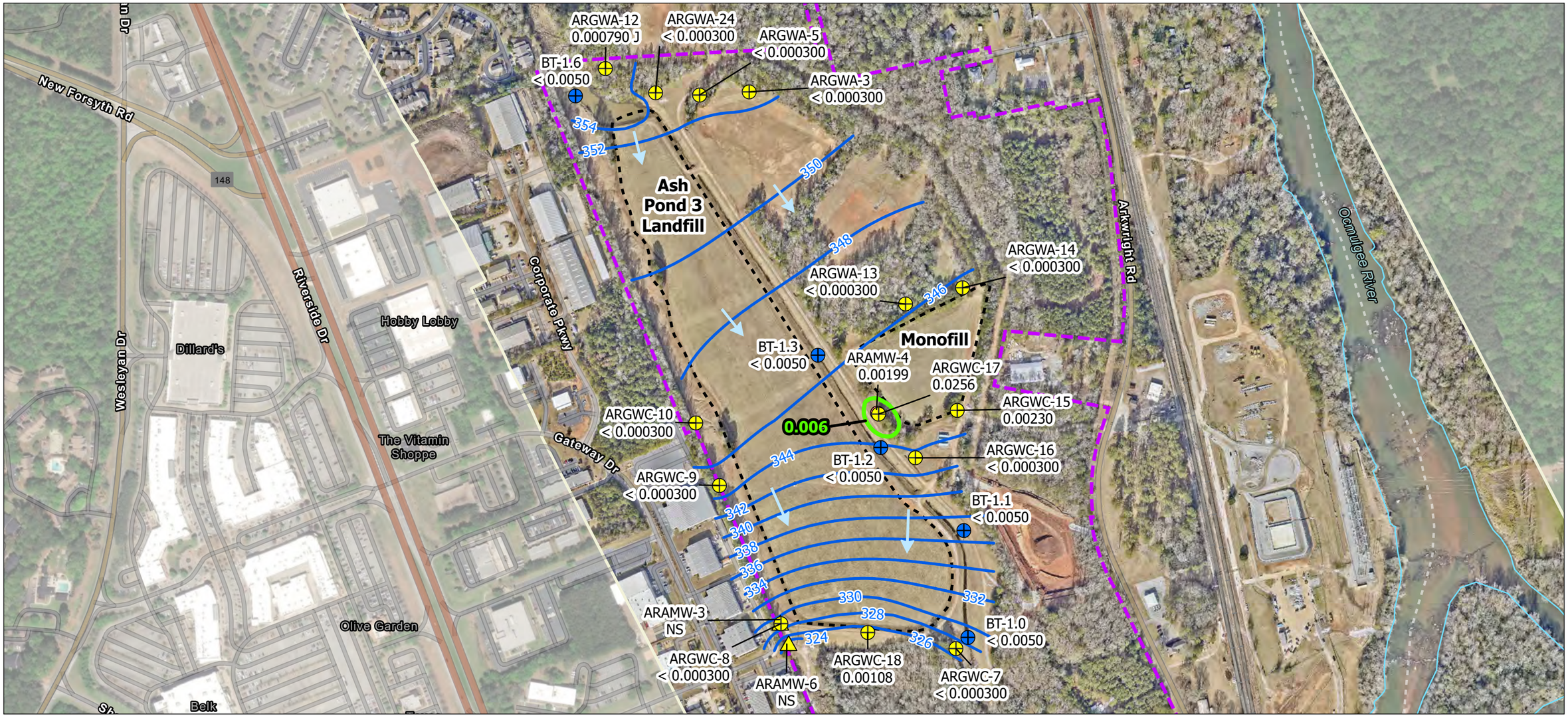

Notes

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2. Data Sources: Ash Pond Boundaries, Monitoring Wells, Property Boundary, Topography, and Beaverdam Creek provided by Southern Company Services and Wood Environment & Infrastructure Solutions; Contours, Flow Arrow, and Ocmulgee River provided by Stantec

3. Background: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS. Plant imagery provided by client and is dated 1/22/2024.

Legend

- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- Surface Water Sampling Location
- Cobalt Concentration Contour Aug 2024 (mg/L)
- Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour (feet (ft) NAVD88)
- Ocmulgee River (Approximate)
- Approximate Property Boundary
- Ash Pond 3 Landfill and Monofill (approximate location)
- Limit of Client Imagery (dated 1/22/2024)

0.00108 Cobalt Concentration milligrams per Liter (mg/L)

Isoconcentration Notes:

Cobalt concentration data from groundwater and surface water samples collected during the August 2024 monitoring event.

J indicates the constituent was detected between the analytical method detection limit and the laboratory reporting limit. The value followed by J is qualified by the laboratory as estimated.

GWPS - Groundwater Protection Standard

mg/L - milligrams per liter

NS - Not Sampled

Analyte	Units	GWPS
Cobalt	mg/L	0.006

0 450 900 Feet

(At original document size of 11x17)
1:5,400

N

Stantec

Georgia Power

Project Location
Macon, Georgia

Prepared by DMB on 2/10/2025
TR by RM on 2/10/2025
IR by JK on 2/10/2025

Client/Project 175569434

Georgia Power
2025 Annual Groundwater Monitoring and Corrective Action Report
Plant Arkwright Ash Pond 3 Landfill and Monofill

Figure No.
5

Title
Isoconcentration Map for Cobalt
AP-3 Landfill and Monofill – August 2024

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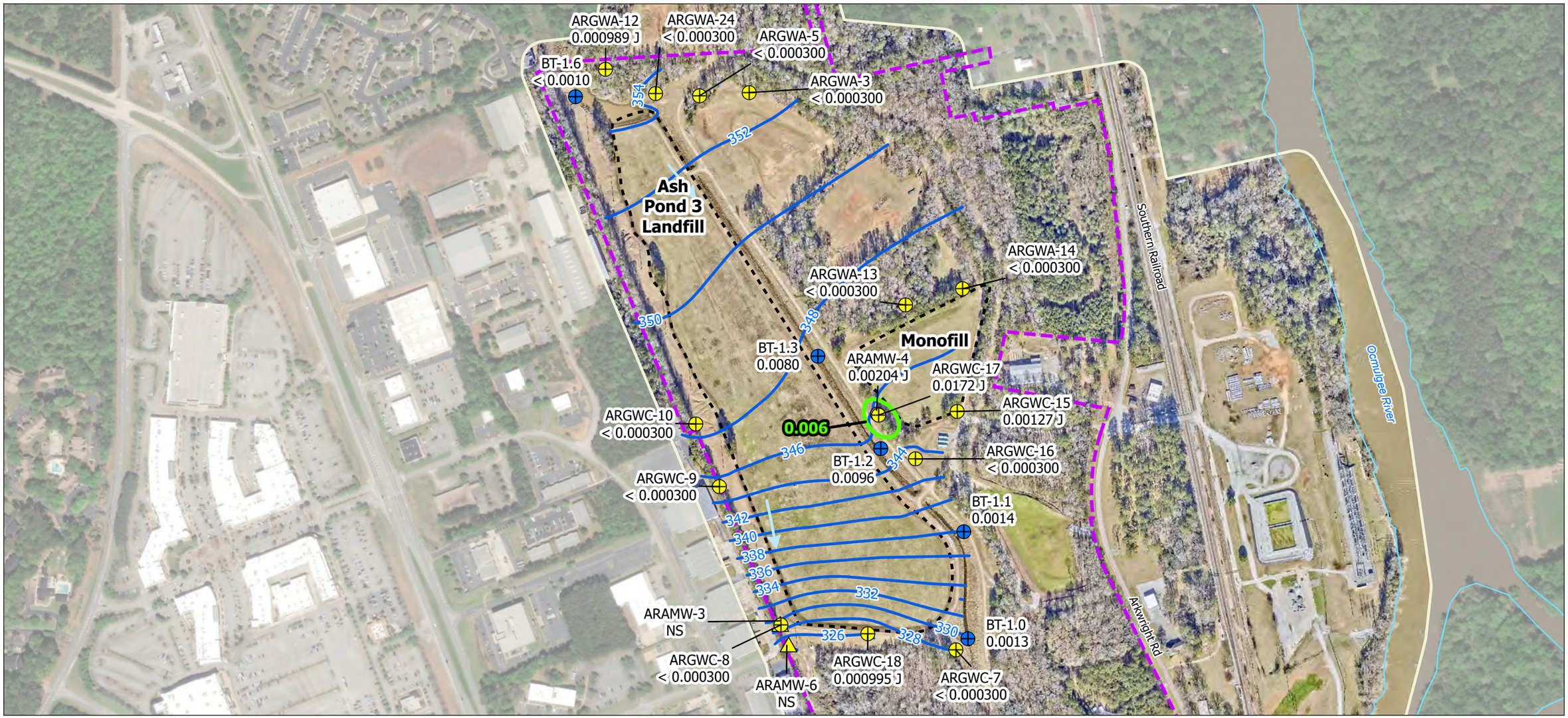

Notes
1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Ash Pond Boundaries, Monitoring Wells, Property Boundary, Topography, and Beaverdam Creek provided by Southern Company Services and Wood Environment & Infrastructure Solutions; Contours, Flow Arrow, and Ocmulgee River provided by Stantec
3. Background: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Plant imagery provided by client and is dated 1/2/2025.

Legend

- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- Surface Water Sampling Location
- Cobalt Concentration Contour Feb 2025 (mg/L)
- Interpreted Groundwater Flow Direction
- Potentiometric Surface Contour (feet (ft) NAVD88)
- Ocmulgee River (Approximate)
- Approximate Property Boundary
- Ash Pond 3 Landfill and Monofill (approximate location)
- Limit of Client Imagery (dated 1/2/2025)

0.0172 J Cobalt Concentration milligrams per Liter (mg/L)

Isoconcentration Notes:
Cobalt concentration data from groundwater and surface water samples collected during the February 2025 monitoring event. Sampling Location BC-0.8b is below GWPS and is not shown on this figure.

J indicates the constituent was detected between the analytical method detection limit and the laboratory reporting limit. The value followed by J is qualified by the laboratory as estimated.

GWPS - Groundwater Protection Standard
mg/L - milligrams per liter
NS - Not Sampled

Analyte	Units	GWPS
Cobalt	mg/L	0.006

0 450 900 Feet
(At original document size of 11x17)
1:5,400

N

Stantec

Georgia Power

Project Location
Macon, Georgia

Prepared by DMB on 5/27/2025
TR by AS on 5/27/2025
IR by JK on 5/27/2025

Client/Project 175569434
Georgia Power
2025 Annual Groundwater Monitoring and Corrective Action Report
Plant Arkwright Ash Pond 3 Landfill and Monofill

Figure No.
6

Title
Isoconcentration Map for Cobalt AP-3 Landfill and Monofill – February 2025

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Appendix A
Well Inspections

	Location/Identification				Protective Casing				
Well ID:	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
AP-3									
ARGWA-3	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWA-5	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWA-12	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No
ARGWA-13	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWA-14	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No
ARGWA-24	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-15	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-16	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-17	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-18	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARAMW-4	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-7	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-8	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-9	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-10	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes

Completed by JM/DQ 8/19/24
Checked by AS 8/22/24

Surface Pad			Internal Casing			
Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure	**Corrective actions as needed, by date:**
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	Rusted lock replaced by Stantec on 9/19/24
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	No	Yes	Yes	Yes	Rusted lock replaced by Stantec on 9/19/24
Yes	Yes	Yes	No	Yes	Yes	PVC end cap placed over well riser opening with transducer hanger by Stantec on 9/19/24
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	No	Yes	Yes	PVC end cap placed over well riser opening with transducer hanger by Stantec on 9/19/24
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA

	Location/Identification				Protective Casing				
Well ID:	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
AP-3									
ARGWA-3	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes
ARGWA-5	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWA-12	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No
ARGWA-13	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWA-14	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No
ARGWA-24	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-15	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-16	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-17	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-18	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARAMW-4	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-7	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-8	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-9	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
ARGWC-10	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes

Completed by A.S. 2/3/2025
Checked by JB 2/27/2025

Surface Pad			Internal Casing			
Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure	**Corrective actions as needed, by date:**
Yes	Yes	Yes	Yes	Yes	Yes	Protective casing lock latch has broken off. Taron Durden was notified of the issue.
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	No	Yes	Yes	Yes	NA
Yes	Yes	Yes	No	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	No	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA
Yes	Yes	Yes	Yes	Yes	Yes	NA

Appendix B
Well Installation Report

Stantec Consulting Services Inc.
1150 Sanctuary Parkway Suite 425
Alpharetta GA 30009-0850

July 28, 2025

Attention: Mr. Joju Abraham, PG
Southern Company Services
241 Ralph McGill Blvd NE
Atlanta, GA 30308

Reference: AP-3 Pre-Design Investigation (PDI) Piezometer Installation Report
Georgia Power Company – Plant Arkwright, Ash Pond 3
Macon, Bibb County, Georgia

Dear Mr. Abraham,

Stantec Consulting Services Inc. (Stantec) is submitting this Piezometer Installation Report to Southern Company Services, Inc. (SCS) and Georgia Power Company (Georgia Power), which documents the construction of five temporary piezometers at Plant Arkwright in Macon, Georgia (Site). The piezometer installation was completed as part of a pre-design investigation in the area between Ash Pond 3 and the Monofill. The installation of the piezometers was conducted under the oversight and direction of Andreas Shoredits, a Georgia Registered Professional Geologist (PG) and completed between April 8 and 11, 2025.

Five temporary piezometers were installed up-/ side-gradient of Ash Pond 3 (AP-3) and downgradient of the Monofill, and their locations surround existing wells ARAMW-4 and ARGWC-17. The approximate aerial layout of the piezometer locations in relation to the distance and cardinal direction from existing well ARGWC-17 is as follows:

BORING NAME	FIELD REFERENCE	LOCATION RELATIVE TO ARGWC-17
ARK-PZ-12-TEMP-37	ARK-AP3-PZ-01-TEMP-37	19.5 feet N
ARK-PZ-13-TEMP-33	ARK-AP3-PZ-02-TEMP-33	10.0 feet W
ARK-PZ-14-TEMP-40	ARK-AP3-PZ-03-TEMP-40	15.0 feet NE
ARK-PZ-15-TEMP-31	ARK-AP3-PZ-04-TEMP-31	15.5 feet SE
ARK-PZ-16-TEMP-39	ARK-AP3-PZ-05-TEMP-39	16.0 feet SW

The piezometer construction details are included in Table 1 and the locations are shown on Figure 1. This report provides a summary of the drilling and installation activities for the five temporary piezometers. Field data (boring logs, purge logs, survey data, analytical data) were collected using the field references listed in the table above.

Piezometer Drilling Activities

Piezometers were drilled and installed by SCS Civil Field Services (CFS) at the Site, between April 8 and 10, 2025. Piezometer installations were performed in general accordance with the U.S. Environmental Protection Agency (US EPA) Science and Ecosystem Support Division (SESD) Design and Installation of Piezometers (SESDGUID-101-R2, January 2018).

An experienced Stantec geologist was present on Site to oversee and record the drilling and piezometer construction activities under the supervision of a professional geologist registered to practice in Georgia.

Drilling methods employed for borehole advancement included hollow stem auger (HSA) technique. The drilling equipment consisted of a CME 55LCX track-mounted drilling rig, equipped with 4.25-inch inside diameter (ID) hollow stem augers. Borings were terminated in the overburden material and drilling was conducted using HSA to drill to the partially weathered rock interface, which coincided with HSA drilling refusal. During drilling, disturbed samples were collected using standard penetration testing (SPT) split-spoon samplers. Subsurface boring logs are provided in Appendix A.

Piezometer Construction Activities

Piezometers were installed in boreholes using factory-cleaned and sealed Schedule 40 polyvinyl chloride (PVC) products. Each well was constructed with a 10-foot section of 2.375-inch outer diameter (OD) and 2-inch ID, flush-threaded, 0.010-inch factory-slotted PVC screen. Boring ARK-PZ-12-TEMP-37 was constructed using a 0.010-inch factory-slotted PVC U-Pack screen, where the annulus of the U-Pack screen section was filled with No. 1 filter sand. The screen was placed based on the drilling termination depth. The remainder of the piezometer were constructed from 10-foot sections of 2-inch ID, flush-threaded, PVC casing riser. A flush-threaded PVC end cap was placed on the bottom of each piezometer to provide a 0.4-foot sump/ sediment trap and the top of each piezometer was extended to above grade.

Following placement of the screen and casing, the annular space in each borehole adjacent to the screen was filled with US Standard Sieve size No. 1 filter pack sand as appropriate for the formation. The filter pack sand was added to each borehole and extended a minimum of 2 feet above the depth of the top of each screen. A filter pack seal, composed of hydrated 3/8” diameter coated bentonite pellets, was placed on top of each filter pack. Sand pack/ filter pack material and bentonite pellets were tremied in place through the hollow stem auger. Each bentonite seal was hydrated using potable water and allowed to cure for approximately two hours prior to any further well construction activities were performed. After hydration of each bentonite seal, the remaining annular space was grouted with an AquaGuard® bentonite grout 30% solids mixture to approximately 2 feet below ground surface using a tremie method.

The surface completions for all piezometers consist of a flush-mounted manhole with an 8-in diameter bolt-down steel cover that is set into a 2-foot by 2-foot wide by 4-inch-thick concrete well pad. The well head is capped with a locking well plug.

Construction details for the piezometers are shown on the piezometer installation logs in Appendix B.

Piezometer Development Activities

Development activities for the newly installed piezometers were initiated and completed on April 21, 2025. Well development activities were performed by Stantec in general accordance with the Piezometer Development Procedures prepared by SCS (March 2016), and the US EPA Science and Ecosystem Support Division (SESD) Design and Installation of Piezometers (SESDGUID-101-R2, January 2018). The piezometer sump was initially surged to resuspend any settled material at the bottom of the well, after which the length of the screen interval was over-pumped using a Reclaimer pump system.

During development activities, water quality measurements of pH, temperature, specific conductance, oxidation-reduction potential (ORP), and dissolved oxygen (DO) were conducted utilizing a calibrated In-Situ brand AquaTroll® 400 multiparameter probe. Turbidity was measured using a Hach 2100Q portable turbidimeter. Final turbidity values below 10 nephelometric turbidity units (NTUs) were achieved during development of piezometers and an adequate volume of groundwater had been removed to achieve stable

water chemistry parameters. Water level measurements were performed in general accordance with US EPA Laboratory Services and Applied Science Division (LSASD) Field Services Branch Supervisor Groundwater Level and Well Depth Measurement (FSBPROC-105-R6, April 2025). Water levels measurements were collected using a decontaminated electronic water level indicator, referenced to a permanent marking at the top of the casing (black mark) and recorded to within 0.01 foot. Well development forms and calibration logs are included in Appendix C and geochemical data measured during development are summarized in Table 2.

Piezometer Survey

The newly installed piezometers were surveyed on May 29, 2025, by a land surveyor registered in the state Georgia. The survey was completed with a positional tolerance of 0.50-foot for horizontal and 0.01-foot for vertical measurements. The top of the PVC casing was surveyed and a marking was made on the PVC to use for reference during future measurements. Surveyed coordinates and elevations are presented on the subsurface boring logs (Appendix A), piezometer installation logs (Appendix B), and in Table 1. The certified surveyor's report is attached as Appendix D.

Closing

Stantec appreciates the opportunity to assist SCS and Georgia Power with this project. Should you have any questions or require additional information, please contact the undersigned.

Respectfully,

Stantec Consulting Services Inc.

Andreas Shoredits, P.G.
Geologist
Andreas.Shoredits@stantec.com
(470) 371-9727

Jennifer L Kolbe, Ph.D., P.E.
Senior Principal
jennifer.kolbe@stantec.com
(765) 418-8953

Attachments:

Table 1 – Piezometer Construction Summary
Table 2 – Piezometer Development Summary
Figure 1 – AP-3 Pilot Test Piezometer Installation Locations
Appendix A – Subsurface Boring Logs
Appendix B – Piezometer Installation Logs
Appendix C – Piezometer Development Forms
Appendix D – Certified Piezometer Survey
Appendix E – SCS Drilling Bond

CERTIFICATION STATEMENT

I certify that I am a qualified ground-water scientist who has received a baccalaureate or post-graduate degree in the natural sciences and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgements regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction. We certify that the information included is to the best of our knowledge and belief, true, accurate and complete.

Andreas Shoredits, P.G.
Geologist

July 28, 2025
Date

ATTACHMENTS

TABLES

Table 1 – Piezometer Construction Summary

Table 2 – Piezometer Development Summary

Table 1
Piezometer Construction Summary
Georgia Power Company
Plant Arkwright - Ash Pond 3
Macon, Bibb County, GA

Well	Installation Date	Northing[1]	Easting[1]	Top of Casing Elevation (feet)[2]	Ground Surface Elevation (feet)[2]	Top of Screen Elevation (feet)[3]	Screen Bottom Elevation (feet)[3]	Screen Length (feet)	Total Well Depth (feet bls)[4]	Groundwater Zone Screened	Hydraulic Location
Piezometers[5]											
ARK-PZ-12-TEMP-37	4/8/2025	1065473.76	2437997.41	363.68	363.60	337.90	327.90	10.0	36.40	Overburden	Downgradient
ARK-PZ-13-TEMP-33	4/10/2025	1065452.55	2438002.15	364.75	364.79	342.69	332.69	10.0	32.50	Overburden	Downgradient
ARK-PZ-14-TEMP-40	4/9/2025	1065468.38	2438020.99	365.18	364.96	335.86	325.86	10.0	39.50	Overburden	Downgradient
ARK-PZ-15-TEMP-31	4/9/2025	1065443.03	2438010.35	364.82	364.69	344.29	334.29	10.0	30.80	Overburden	Downgradient
ARK-PZ-16-TEMP-39	4/8/2025	1065454.21	2438024.97	364.66	364.50	336.60	326.60	10.0	38.30	Overburden	Downgradient

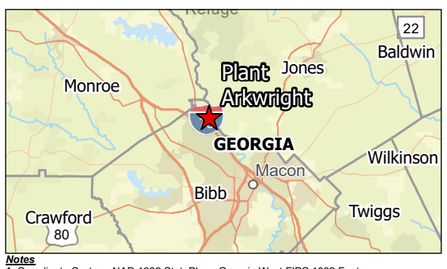
Notes:
bls - Below land surface
1. Horizontal locations referenced to Georgia State Plane West, North American Datum of 1983 (NAD83).
2. Vertical elevations are referenced to North American Vertical Datum of 1988 (NAVD88).
3. Screen elevations calculated using surveyed Ground Surface Elevations together with well drilling and construction logs.
4. Well depth based on well drilling and construction logs.
5. Well top of casing and ground surface surveyed by Donaldson, Garrett & Associates land surveyor on May 29, 2025.

Table 2
Piezometer Development Summary
Georgia Power Company
Plant Arkwright - Ash Pond 3
Macon, Bibb County, GA

Piezometer	Date Started	Date Finished	Development Method/ Equipment	Measured Total Depth of Well (feet bTOC)	Initial Water level (feet bTOC)	Final Water Level (feet bTOC)	Total Volume Removed (gal)	pH (SU)	Specific Conductance (µS/cm)	Temp (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
ARK-PZ-12-TEMP-37	4/21/2025	4/21/2025	Over-pumping/ Reclaimer Pump	36.4	17.12	17.12	40	5.42	1,783.7	20.59	7.85	-24.9	0.30
ARK-PZ-13-TEMP-33	4/21/2025	4/21/2025	Over-pumping/ Reclaimer Pump	32.5	18.56	18.78	95	5.45	1,109.2	19.54	9.83	179.2	1.33
ARK-PZ-14-TEMP-40	4/21/2025	4/21/2025	Over-pumping/ Reclaimer Pump	39.5	18.85	18.85	58	5.48	2,260.6	20.14	8.38	-205.1	0.26
ARK-PZ-15-TEMP-31	4/21/2025	4/21/2025	Over-pumping/ Reclaimer Pump	30.8	18.44	18.55	35	5.56	1,451.4	22.44	9.43	137.2	0.92
ARK-PZ-16-TEMP-39	4/21/2025	4/21/2025	Over-pumping/ Reclaimer Pump	38.3	18.55	18.68	62	5.56	1,973.4	19.83	9.86	-380.5	0.24

Notes:
bTOC - below Top of Casing
gal - gallons
SU - Standard Units
µS/cm - microsiemens per centimeter
°C - degrees Celsius
NTU - nephelometric turbidity units
mV - millivolts
mg/L - milligrams per liter
ORP - oxidation-reduction potential
DO - dissolved oxygen
Temp - Temperature

FIGURE



Notes
1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Ash Pond Boundaries, Monitoring Wells, and Piezometers locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Background: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community. Plant imagery provided by client and is dated 1/2/2025.

Legend
- Pilot Test Piezometer
- Detection Monitoring Well
- Assessment Monitoring Well
- Staff Gauge
- Topographic Contour Dec 2024 (1 ft interval)
- Ash Pond 3 Landfill and Monofill (approximate location)
- Limit of Client Imagery (dated 1/2/2025)

0 20 40 Feet
(At original document size of 11x17)
1:240

N

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Georgia Power

Project Location
Macon, Georgia

Prepared by DMB on 6/10/2025
TR by AS on 6/10/2025
IR by JK on 6/10/2025

Client/Project 175569434
Georgia Power
2025 Pre-Design Investigation (PDI) Piezometer Installation Report
Plant Arkwright Ash Pond 3 Landfill and Monofill

Figure No.
1

Title
AP-3 Pilot Test Piezometer Installation Locations

Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

APPENDIX A

Subsurface Boring Logs

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ARK-PZ-12-TEMP-37

(*ARK-AP3-PZ-01-TEMP-37*)

BORING LOG

PROJECT NUMBER 175569434	**DRILLING COMPANY** Southern Company C.F.S.	**BORING LOCATION** N1065473.76, E2437997.41
PROJECT NAME Plant Arkwright	**DRILLER** A. Castleberry	**COMPLETION** Flush-mount with 2 ft x 2 ft pad
CLIENT Georgia Power	**RIG TYPE/ METHOD** CME 55LCX/ HSA w/ SPT	**SURFACE ELEVATION** 363.60 ft
ADDRESS 5241 Arkwright Road, Macon, Ga	**TOOL DIA.** 7.63-in OD/ 4.25-in ID Augers	**WELL TOC** 363.68 ft
LOCATION AP-3 Pilot Test Area	**BORING DEPTH** 36.7 ft	**COORD SYS** NAD83, NAVD88

COMMENTS Started and completed drilling on 4/8/2025. Well construction completed on 4/10/2025 with installation of flushmount well cover and concrete pad.

LOGGED BY A. Shoredits
CHECKED BY P. Dunne

Depth (ft)	Samples (ft)	Blow counts	Recovery (ft)	Drilling Method	Graphic Log	Material Description	USCS	Well Diagram	Elevation (ft)
0	0.0-1.5 (SPT-01)	4-7-10	1.5	HSA w/ SPT		Topsoil, brown, soft, clay with silt, pine needles	CL		363.6
1						Sandy CLAY, red/orange, stiff, low to medium plasticity, dry, rootlets	CL		363
						1.1 ft: Coarse gravel			
2									362
3									361
4	3.5-5.0 (SPT-02)	6-9-9	1.5			Clayey SAND, orange, loose, dry, fine grained	CL-SC		360
5									359
6									358
7									357
8									356
9	8.5-10.0 (SPT-03)	7-6-7	1.3			Silty micaceous SAND, little clay, black/ orange/ red/ brown, loose, non-plastic, fine grained sand	SM-CL	Bentonite grout	355
10									354
11									353
12									352
13									351
14	13.5-15.0 (SPT-04)	4-3-3	1.2			Silty micaceous SAND, orange/ brown/ black, dry	SM		350
						14.0 ft: Black mica lens, moist			
15									349
16									348
17									347
18									346

Disclaimer This bore log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 07 Jul 2025

Stantec

ARK-PZ-12-TEMP-37
(*ARK-AP3-PZ-01-TEMP-37*)

BORING LOG

Depth (ft)	Samples (ft)	Blow counts	Recovery (ft)	Drilling Method	Graphic Log	Material Description	USCS	Well Diagram	Elevation (ft)
19	18.5-20.0 (SPT-05)	2-2-3	1.3						345
20						Driller switched to 24" Split Spoon and continuous sampling at 20 ft			344
	20.0-22.0 (SPT-06)	2-2-4-5	2.0					Bentonite grout	343
21									
22						21.7-21.8 ft: Fine gravel seam, white/ black			342
	22.0-24.0 (SPT-07)	2-1-2-5	1.6						341
23						23.0 ft: Saprolite			
24								Bentonite plug	340
	24.0-26.0 (SPT-08)	4-2-3-5	1.4						
25						24.5 ft: Quartz gravel, fine grained			339
26									338
	26.0-28.0 (SPT-09)	3-6-8-9	0.9						337
27									
28						28.0 ft: Quartz gravel, white/ black, coarse grained			336
	28.0-30.0 (SPT-10)	3-6-7-9	1.0						335
29									
30									334
	30.0-32.0 (SPT-11)	3-6-9-12	0.5					U-pack & annular sand pack	333
31									
32			1.3			Fine to medium grained gravel mixed in			332
	32.0-34.0 (SPT-12)	4-11-19-27							331
33									
34		12-50/5	0.6						330
	34.0-36.0 (SPT-13)								329
35									
36	NS								328
									327
37						BOH 36.7 ft bgs. Boring terminated at auger refusal depth.			326
38									
39									325
40									324

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ARK-PZ-13-TEMP-33

(*ARK-AP3-PZ-02-TEMP-33*)

BORING LOG

PROJECT NUMBER 175569434	**DRILLING COMPANY** Southern Company C.F.S.	**BORING LOCATION** N1065452.55, E2438002.15
PROJECT NAME Plant Arkwright	**DRILLER** A. Castleberry	**COMPLETION** Flush-mount with 2 ft x 2 ft pad
CLIENT Georgia Power	**RIG TYPE/ METHOD** CME 55LCX/ HSA w/ SPT	**SURFACE ELEVATION** 364.79 ft
ADDRESS 5241 Arkwright Road, Macon, Ga	**TOOL DIA.** 7.63-in OD/ 4.25-in ID Augers	**WELL TOC** 364.75 ft
LOCATION AP-3 Pilot Test Area	**BORING DEPTH** 32.8 ft	**COORD SYS** NAD83, NAVD88

COMMENTS Started and completed drilling on 4/10/2025. Well construction completed on 4/11/2025 with installation of flushmount well cover and concrete pad.

LOGGED BY A. Shoredits
CHECKED BY P. Dunne

Depth (ft)	Samples (ft)	Blow counts	Recovery (ft)	Drilling Method	Graphic Log	Material Description	USCS	Well Diagram	Elevation (ft)
0			5	HA		Hand auger to 5 ft Topsoil, brown, medium stiff clay with silt, low plasticity, dry, pine needles	CL		364
1						Sandy CLAY, red, stiff, slight plasticity, dry, trace white mica grains, fine sand			
2						Rootlets			363
3									362
4									361
5	5.0-6.5 (SPT-01)	7-8-10	1.3	HSA w/ SPT					360
6									359
7									358
8									357
9	8.5-10.0 (SPT-02)	3-4-4	1.5					Bentonite grout	356
10									355
11									354
12									353
13									352
14	13.5-15.0 (SPT-03)	2-2-2	1.4			Silty SAND, orange/ red/ black, loose, dry to moist, little interspersed black medium grained mica	SM		351
15									350
16									349
17									348
18								Bentonite plug	347

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Stantec

ARK-PZ-13-TEMP-33
(*ARK-AP3-PZ-02-TEMP-33*)

BORING LOG

Depth (ft)	Samples (ft)	Blow counts	Recovery (ft)	Drilling Method	Graphic Log	Material Description	USCS	Well Diagram	Elevation (ft)
19	18.5-20.0 (SPT-04)	2-2-2	1.3			Silty micaceous SAND, orange/ yellow/ grey/ black, loose, moist, saprolite		Bentonite plug	346
20	20.0-22.0 (SPT-05)	1-2-2-3	2.0			Driller switched to 24" Split Spoon and continuous sampling at 20 ft			345
21									344
22	22.0-24.0 (SPT-06)	1-1-2-2	1.5			22.0-24.0 ft: Black mica grains, medium grained			343
23									342
24	24.0-26.0 (SPT-07)	1-1-2-3	1.5						341
25						25.2-26.0 ft: Quartz seam, white/ black, dense, moist to wet, medium grained			340
26	26.0-28.0 (SPT-08)	WH-2-3 -4	1.2			26.7-26.9 ft: Quartz seam, white/ black, dense, moist to wet, medium grained			339
27						26.9-28.0 ft: Sand lenses, white/ black, loose, wet, fine to medium grained		Sand pack	338
28	28.0-30.0 (SPT-9)	2-6-8-10	1.3			28.0-30.0 ft: Completely disintegrated/ heavily weathered black/ white rock (formerly biotite gneiss)			337
29									336
30	30.0-32.0 (SPT-10)	7-16-28 -37	1.5			Denser and drier saprolite			335
31									334
32	NS								333
									332
33						BOH 32.8 ft bgs. Boring terminated at auger refusal depth.			331
34									
35									330
36									329
37									328
38									327
39									326
40									325

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ARK-PZ-14-TEMP-40

(*ARK-AP3-PZ-03-TEMP-40*)

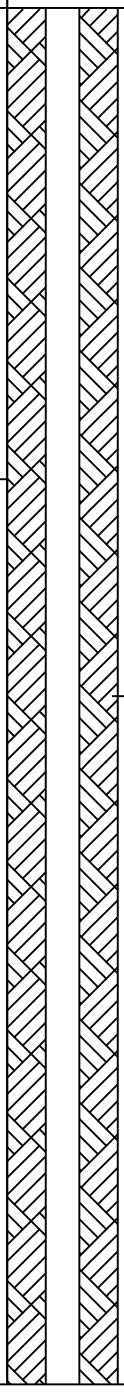
BORING LOG

PROJECT NUMBER 175569434	**DRILLING COMPANY** Southern Company C.F.S.	**BORING LOCATION** N1065468.38, E2438020.99
PROJECT NAME Plant Arkwright	**DRILLER** A. Castleberry	**COMPLETION** Flush-mount with 2 ft x 2 ft pad
CLIENT Georgia Power	**RIG TYPE/ METHOD** CME 55LCX/ HSA w/ SPT	**SURFACE ELEVATION** 364.96 ft
ADDRESS 5241 Arkwright Road, Macon, Ga	**TOOL DIA.** 7.63-in OD/ 4.25-in ID Augers	**WELL TOC** 365.18 ft
LOCATION AP-3 Pilot Test Area	**BORING DEPTH** 39.7 ft	**COORD SYS** NAD83, NAVD88

COMMENTS Started and completed drilling on 4/9/2025. Well construction completed on 4/10/2025 with installation of flushmount well cover and concrete pad.

LOGGED BY A. Shoredits
CHECKED BY P. Dunne

Depth (ft)	Samples (ft)	Blow counts	Recovery (ft)	Drilling Method	Material Description	USCS	Elevation (ft)
0			5	HA	Hand auger to 5 ft Topsoil, brown, medium stiff clay with silt, low plasticity, dry, pine needles	CL	364
1					Sandy CLAY, red/orange, soft, slight plasticity, dry		363
2							362
3							361
4							360
5	3.5-5.0 (SPT-01)	5-5-7	1.4	HSA w/ SPT			359
6					Clayey SAND, orange/ brown, loose, dry, fine grained, fine grained white mica grain inclusions	CL-SC	358
7							357
8	8.5-10.0 (SPT-02)	3-3-5	1.4				356
9							355
10							354
11							353
12							352
13	13.5-15.0 (SPT-03)	3-2-3	1.3		Red/ orange/ black		351
14							350
15							349
16							348
17							347
18							



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ARK-PZ-14-TEMP-40
(*ARK-AP3-PZ-03-TEMP-40*)

BORING LOG

Depth (ft)	Samples (ft)	Blow counts	Recovery (ft)	Drilling Method	Graphic Log	Material Description	USCS	Well Diagram	Elevation (ft)
19	18.5-20.0 (SPT-04)	3-4-4	1.5						346
20	20.0-22.0 (SPT-05)	3-3-4-5	1.8			Silty micaceous SAND, orange/ brown/ red/ black, moist. medium grained black mica grains Driller switched to 24" Split Spoon and continuous sampling at 20 ft	SM		345
21								Bentonite grout	344
22	22.0-24.0 (SPT-06)	2-3-4-6	1.5			22.0 ft: Saprolite, moist			343
23						23.0-23.1 ft: Quartz sand seam, white/ black, medium to coarse grained			342
24	24.0-26.0 (SPT-07)	3-4-6-7	1.5						341
25						24.3-24.5 ft: Fine grained sand lens, light brown		Bentonite plug	340
26	26.0-28.0 (SPT-08)	3-5-6-8	1.3			Medium grained sands mixed in, moist to wet			339
27									338
28	26.0-28.0 (SPT-9)	4-6-9-9	1.4			28.8-28.9 ft: Quartz sand, white, medium grained			337
29						29.0-29.1 ft: Completely disintegrated rock, black/white			336
30	28.0-30.0 (SPT-10)	3-6-13-15	1.4			30.9-31.0 ft: Quartz seam, white/ black, coarse grained			335
31									334
32	32.0-34.0 (SPT-11)	10-18-24	1.4			32.1-32.2 ft: Quartz seam, white/ black, medium grained sand 32.9-33.2 ft: Quartz vein, white/ black, fine to medium grained sand			333
33						34.5-34.6 ft: Quartz vein, coarse gravel		Sand pack	332
34	34.0-36.0 (SPT-12)	17-50/3	0.8						331
35									330
36	NS								329
37									328
38									327
39									326
40						BOH 39.7 ft bgs. Boring terminated at auger refusal depth.			325

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ARK-PZ-15-TEMP-31

(*ARK-AP3-PZ-04-TEMP-31*)

BORING LOG

PROJECT NUMBER 175569434
PROJECT NAME Plant Arkwright
CLIENT Georgia Power
ADDRESS 5241 Arkwright Road, Macon, Ga
LOCATION AP-3 Pilot Test Area

DRILLING COMPANY Southern Company C.F.S.
DRILLER A. Castleberry
RIG TYPE/ METHOD CME 55LCX/ HSA w/ SPT
TOOL DIA. 7.63-in OD/ 4.25-in ID Augers
BORING DEPTH 31.0 ft

BORING LOCATION N1065443.03, E2438010.35
COMPLETION Flush-mount with 2 ft x 2 ft pad
SURFACE ELEVATION 364.69 ft
WELL TOC 364.82 ft
COORD SYS NAD83, NAVD88

COMMENTS Started and completed drilling on 4/9/2025. Well construction completed on 4/10/2025 with installation of flushmount well cover and concrete pad.

LOGGED BY A. Shoredits
CHECKED BY P. Dunne

Depth (ft)	Samples (ft)	Blow counts	Recovery (ft)	Drilling Method	Material Description	USCS	Elevation (ft)
0			5	HA	Hand auger to 5 ft Topsoil, brown, medium stiff clay with silt, low plasticity, dry, pine needles	CL	364
1					Sandy CLAY, red, stiff, slight plasticity, dry, trace white mica grains		363
2							362
3							361
4							360
5	5.0-6.5 (SPT-01)	6-10-8	1.5	HSA w/ SPT			359
6							358
7							357
8	8.5-10.0 (SPT-02)	4-6-8	1.5				356
9					Clayey SAND, red, loose, dry to moist, fine grained	CL-SC	355
10							354
11							353
12							352
13	13.5-15.0 (SPT-03)	2-3-3	1.5		Silty micaceous SAND, orange/ yellow/ grey/ black, very loose, moist, saprolite 14.4-14.5 ft: Black mica grains, medium grained	SM	351
14							350
15							349
16							348
17							347
18							

Well Diagram: Bentonite grout; Bentonite plug; Sand pack

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ARK-PZ-15-TEMP-31
(*ARK-AP3-PZ-04-TEMP-31*)

BORING LOG

Depth (ft)	Samples (ft)	Blow counts	Recovery (ft)	Drilling Method	Graphic Log	Material Description	USCS	Well Diagram	Elevation (ft)
19	18.5-20.0 (SPT-04)	3-2-2	0.7						346
20	20.0-22.0 (SPT-05)	1-2-2-1	1.5			20.0-20.9 ft: SAND with silt, tan, loose, moist, fine grained with trace medium grains Driller switched to 24" Split Spoon and continuous sampling at 20 ft			345
21									344
22	22.0-24.0 (SPT-06)	2-1-2-3	1.6			22.0-22.5 ft: SAND with silt, yellow, loose, moist, fine to coarse grained 22.2-22.3 ft: Completely disintegrated/ heavily weathered rock			343
23									342
24	24.0-26.0 (SPT-07)	1-2-4-6	1.8					Sand pack	341
25						25.5-25.8 ft: SAND with silt, tan/ white, fine to medium grained			340
26	26.0-28.0 (SPT-08)	5-15-12-1	1.3			26.6-27.0 ft: Quartz seam, white/ black, dense, moist to wet, medium grained			339
27									338
28	28.0-30.0 (SPT-9)	19-50/2	0.9						337
29									336
30	NS								335
31									334
32						BOH 31.0 ft bgs. Boring terminated at auger refusal depth.			333
33									332
34									331
35									330
36									329
37									328
38									327
39									326
40									325

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ARK-PZ-16-TEMP-39

(*ARK-AP3-PZ-05-TEMP-39*)

BORING LOG

PROJECT NUMBER 175569434	**DRILLING COMPANY** Southern Company C.F.S.	**BORING LOCATION** N1065454.21, E2438024.97
PROJECT NAME Plant Arkwright	**DRILLER** A. Castleberry	**COMPLETION** Flush-mount with 2 ft x 2 ft pad
CLIENT Georgia Power	**RIG TYPE/ METHOD** CME 55LCX/ HSA w/ SPT	**SURFACE ELEVATION** 364.50 ft
ADDRESS 5241 Arkwright Road, Macon, Ga	**TOOL DIA.** 7.63-in OD/ 4.25-in ID Augers	**WELL TOC** 364.66 ft
LOCATION AP-3 Pilot Test Area	**BORING DEPTH** 38.7 ft	**COORD SYS** NAD83, NAVD88

COMMENTS Started and completed drilling on 4/8/2025. Well construction completed on 4/10/2025 with installation of flushmount well cover and concrete pad.

LOGGED BY A. Shoredits
CHECKED BY P. Dunne

Depth (ft)	Samples (ft)	Blow counts	Recovery (ft)	Drilling Method	Material Description	USCS	Elevation (ft)
0			3.5	HA	Hand auger to 5 ft Topsoil, brown, soft clay with silt, slight plasticity, dry, pine needles	CL	364
1					Sandy CLAY, red, medium stiff, slight plasticity, dry		363
2							362
3							361
4	3.5-5.0 (SPT-01)	5-8-12	1.5				360
5				HSA w/ SPT	Clayey SAND, red, loose, dry, fine grained, fine grained white mica grain inclusions	CL-SC	359
6							358
7							357
8							356
9	8.5-10.0 (SPT-02)	3-4-7	1.2				355
10							354
11							353
12							352
13							351
14	13.5-15.0 (SPT-03)	3-3-5	1.5		Silty micaceous SAND, red/ yellow, moist, fine grained	SM	350
15							349
16							348
17							347
18							

Well Diagram: Bentonite grout

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ARK-PZ-16-TEMP-39
(*ARK-AP3-PZ-05-TEMP-39*)

BORING LOG

Depth (ft)	Samples (ft)	Blow counts	Recovery (ft)	Drilling Method	Graphic Log	Material Description	USCS	Well Diagram	Elevation (ft)
19	18.5-20.0 (SPT-04)	2-1-2	0.5			Driller switched to 24" Split Spoon and continuous sampling at 20 ft 20.9 ft: Saprolite, moist, fine grained mica		Bentonite grout	346 345
20	20.0-22.0 (SPT-05)	2-1-1-2	1.0						344
21									343
22	22.0-24.0 (SPT-06)	2-2-3-5	1.2						342
23									341
24	24.0-26.0 (SPT-07)	2-4-5-7	1.1					Bentonite plug	340
25						26.1-26.2 ft: Quartz vein, white/ black, moist to wet, medium grained sand			339
26	26.0-28.0 (SPT-08)	4-7-10-17	1.2						338
27									337
28	26.0-28.0 (SPT-9)	5-17-20-42	1.5			Grey/ white			336
29									335
30	28.0-30.0 (SPT-10)	17-50/2	0.6						334
31									333
32	32.0-34.0 (SPT-11)	50/2	0.1					Sand pack	332
33									331
34	NS								330
35									329
36									328
37									327
38									326
39						BOH 38.7 ft bgs. Boring terminated at auger refusal depth.			325
40									

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APPENDIX B

Piezometer Installation Logs

Well Installation Field Log

Project Name:	Plant Arkwright PDI Pilot Test	Date Started:	4/8/2025	Date Completed:	4/10/2025
Borehole/Well No:	ARK-PZ-12-TEMP-37 (*ARK-AP3-PZ-01-TEMP-37*)	Northing (ft):	1065473.76	Easting (ft):	2437997.41
Plant Name:	Arkwright	Latitude:	32.928412	Longitude:	-83.705768
Plant Address:	5241 Arkwright Road, Macon, Georgia, 31210	Location Datum:	NAD83	Elevation Datum:	NAVD88
Project & Task Number:	175569434	Surface/ Ground Elevation (ft):	363.60	Stickup (ft, ags):	N/A
Goals/Task:	AP-3 Piezometer Installation	Borehole Diameter (in):	8.25	Borehole Depth (ft, bgs):	36.7
Drilling Company:	Southern Company Services C.F.S.	Well Casing Diameter (in):	2.00	Well Depth (ft, bgs):	36.4
Drilling Equipment/Rig Type:	CME 55LCX	Top of Casing elev (ft):	363.68	Screen length (ft):	10
Drilling Method:	HSA (7.63" OD/ 4.25" ID)	DTW at Development - 4/21/25 (ft, toc):	17.12		
Sampling Method:	SPT	Static DTW - 4/24/25 (ft, toc):	17.21		
Prepared By:	Andreas Shoredits				
Review By:	Patrick Dunne				

***Not to Scale**

*Depth (feet)	Well Construction				Materials Inventory
	Stick up	0.08'	8" Flushmount Cover with Locking Lid		Stick up: 0.08 ft, ags
	Ground surface - 0.0'				
					Outer Casing Type (steel or PVC, schedule 40 or 80): N/A
					Outer Casing Top: N/A ft, bgs Bottom: N/A ft, bgs
	Bottom of Grout Top of Bentonite	22.8	340.8	Top of Bentonite Elevation	Screen Type: PVC U-Pack Type II
			2-in	inch casing	Screen Slot Size: 0.010
					Screen Top: 25.7 ft, bgs Bottom: 35.7 ft, bgs
	Bottom of Bentonite Top of Filter Pack	25.1	338.5	Top of Filter pack Elevation	Sump/end cap Top: 35.7 ft, bgs Bottom: 36.4 ft, bgs
	Top of Screen	25.7	337.9	Top of Screen Elevation	Grout Quantity: 1.5 (50 lb) bags of Aqua Guard and 20 gallons water
			0.010	Slot screen	Grout Type: Baroid Aqua Guard 30% Solids Grout
					Grout Top: 0.0 ft, bgs Bottom: 22.8 ft, bgs
					Bentonite Type: Pel-Plug 3/8" PDS TR30 pellets
					Bentonite Quantity: 1.0 buckets
					Bentonite Seal Top: 22.8 ft, bgs Bottom: 25.1 ft, bgs
					Filter Pack - Annular Space Type (manufacturer, size): DSI Gravel Pack, Sand Type GP#1A. Used 5.5 x 0.5 ft^3 bags. Filter pack volume approx. 30.3 gal
					Filter Pack: Top: 25.1 ft, bgs Bottom: 36.7 ft, bgs
	Bottom of screen	35.7	327.9	Bottom of Screen Elevation	Notes:
	Sump/end cap	36.4	327.2	Sump/end cap elevation	Bentonite seal hydrated 2-hours prior to grout backfill backfill placement.
	Terminus of borehole	36.7	326.9	Base of filter pack Elevation	Backfill of borehole sump was not necessary.
					Elevation in feet NAVD88 (North American Vertical Datum 1988)

Well Installation Field Log

Project Name:	Plant Arkwright PDI Pilot Test	Date Started:	4/10/2025	Date Completed:	4/11/2025
Borehole/Well No:	ARK-PZ-13-TEMP-33 (*ARK-AP3-PZ-02-TEMP-33*)	Northing (ft):	1065452.55	Easting (ft):	2438002.15
Plant Name:	Arkwright	Latitude:	32.928354	Longitude:	-83.705753
Plant Address:	5241 Arkwright Road, Macon, Georgia, 31210	Location Datum:	NAD83	Elevation Datum:	NAVD88
Project & Task Number:	175569434	Surface/ Ground Elevation (ft):	364.79	Stickup (ft, ags):	N/A
Goals/Task:	AP-3 Piezometer Installation	Borehole Diameter (in):	8.25	Borehole Depth (ft, bgs):	32.8
Drilling Company:	Southern Company Services C.F.S.	Well Casing Diameter (in):	2.00	Well Depth (ft, bgs):	32.5
Drilling Equipment/Rig Type:	CME 55LCX	Top of Casing elev (ft):	364.75	Screen length (ft):	10
Drilling Method:	HSA (7.63" OD/ 4.25" ID)	DTW at Development - 4/21/25 (ft, toc):	18.56		
Sampling Method:	SPT	Static DTW - 4/24/25 (ft, toc):	18.65		
Prepared By:	Andreas Shoredits				
Review By:	Patrick Dunne				

***Not to Scale**

*Depth (feet)	Well Construction					Materials Inventory
	Stick up	-0.04'	8" Flushmount Cover with Locking Lid			Stick up: -0.04 ft, ags
	Ground surface - 0.0'					
						Outer Casing Type (steel or PVC, schedule 40 or 80): N/A
						Outer Casing Top: N/A ft, bgs Bottom: N/A ft, bgs
	Bottom of Grout Top of Bentonite	18.0		346.8	Top of Bentonite Elevation	Screen Type: Slotted Schedule 40 PVC
				2-in	inch casing	Screen Slot Size: 0.010
						Screen Top: 22.1 ft, bgs Bottom: 32.1 ft, bgs
	Bottom of Bentonite Top of Filter Pack	20.5		344.3	Top of Filter pack Elevation	Sump/end cap Top: 32.1 ft, bgs Bottom: 32.5 ft, bgs
	Top of Screen	22.1		342.7	Top of Screen Elevation	Grout Quantity: 1.5 (50 lb) bags of Aqua Guard and 20 gallons water
				0.010	Slot screen	Grout Type: Baroid Aqua Guard 30% Solids Grout
						Grout Top: 0.0 ft, bgs Bottom: 18.0 ft, bgs
						Bentonite Type: Pel-Plug 3/8" PDS TR30 pellets
						Bentonite Quantity: 1.50 buckets
						Bentonite Seal Top: 18.0 ft, bgs Bottom: 20.5 ft, bgs
						Filter Pack - Annular Space Type (manufacturer, size): Covia Filtersil Industrial Sand Type 0.85. Used 8 x 50 lbs bags. Filter pack volume approx. 30.0 gal
						Filter Pack: Top: 20.5 ft, bgs Bottom: 32.8 ft, bgs
	Bottom of screen	32.1		332.7	Bottom of Screen Elevation	Notes:
	Sump/end cap	32.5		332.3	Sump/end cap elevation	Bentonite seal hydrated 2-hours prior to grout backfill backfill placement.
	Terminus of borehole	32.8		332.0	Base of filter pack Elevation	Backfill of borehole sump was not necessary.
						Elevation in feet NAVD88 (North American Vertical Datum 1988)

Well Installation Field Log

Project Name:	Plant Arkwright PDI Pilot Test	Date Started:	4/9/2025	Date Completed:	4/10/2025
Borehole/Well No:	ARK-PZ-14-TEMP-40 (*ARK-AP3-PZ-03-TEMP-40*)	Northing (ft):	1065468.38	Easting (ft):	2438020.99
Plant Name:	Arkwright	Latitude:	32.928397	Longitude:	-83.705691
Plant Address:	5241 Arkwright Road, Macon, Georgia, 31210	Location Datum:	NAD83	Elevation Datum:	NAVD88
Project & Task Number:	175569434	Surface/ Ground Elevation (ft):	364.96	Stickup (ft, ags):	N/A
Goals/Task:	AP-3 Piezometer Installation	Borehole Diameter (in):	8.25	Borehole Depth (ft, bgs):	39.5
Drilling Company:	Southern Company Services C.F.S.	Well Casing Diameter (in):	2.00	Well Depth (ft, bgs):	39.7
Drilling Equipment/Rig Type:	CME 55LCX	Top of Casing elev (ft):	365.18	Screen length (ft):	10
Drilling Method:	HSA (7.63" OD/ 4.25" ID)	DTW at Development - 4/21/25 (ft, toc):	18.85		
Sampling Method:	SPT	Static DTW - 4/24/25 (ft, toc):	18.73		
Prepared By:	Andreas Shoredits				
Review By:	Patrick Dunne				

***Not to Scale**

***Depth (feet)**

Well Construction

8" Flushmount
Stick up 0.22' Cover with Locking Lid

Ground surface - 0.0'

Bottom of Grout Top of Bentonite	24.1	340.9	Top of Bentonite Elevation
		2-in	inch casing
Bottom of Bentonite Top of Filter Pack	26.3	338.7	Top of Filter pack Elevation
Top of Screen	29.1	335.9	Top of Screen Elevation
		0.010	Slot screen
Bottom of screen	39.1	325.9	Bottom of Screen Elevation
Sump/end cap	39.5	325.5	Sump/end cap elevation
Terminus of borehole	39.7	325.3	Base of filter pack Elevation

Materials Inventory

Stick up: 0.22 ft, ags

Outer Casing Type (steel or PVC, schedule 40 or 80): N/A

Outer Casing Top: N/A ft, bgs Bottom: N/A ft, bgs

Screen Type: Slotted Schedule 40 PVC

Screen Slot Size: 0.010

Screen Top: 29.1 ft, bgs Bottom: 39.1 ft, bgs

Sump/end cap Top: 39.1 ft, bgs Bottom: 39.5 ft, bgs

Grout Quantity: 3 (50 lb) bags of Aqua Guard and 35 gallons water

Grout Type: Baroid Aqua Guard 30% Solids Grout

Grout Top: 0.0 ft, bgs Bottom: 24.1 ft, bgs

Bentonite Type: Pel-Plug 3/8" PDS TR30 pellets

Bentonite Quantity: 1.0 bucket

Bentonite Seal Top: 24.1 ft, bgs Bottom: 26.3 ft, bgs

Filter Pack - Annular Space
Type (manufacturer, size):
Covia Filtersil Industrial Sand Type 0.85. Used 8 x 50 lbs bags.
Filter pack volume approx. 30.0 gal

Filter Pack: Top: 26.3 ft, bgs Bottom: 39.7 ft, bgs

Notes:

Bentonite seal hydrated 2-hours prior to grout backfill backfill placement.

Backfill of borehole sump was not necessary.

Elevation in feet NAVD88 (North American Vertical Datum 1988)

Well Installation Field Log

Project Name:	Plant Arkwright PDI Pilot Test	Date Started:	4/9/2025	Date Completed:	4/10/2025
Borehole/Well No:	ARK-PZ-15-TEMP-31 (*ARK-AP3-PZ-04-TEMP-31*)	Northing (ft):	1065443.03	Easting (ft):	2438010.35
Plant Name:	Arkwright	Latitude:	32.928328	Longitude:	-83.705726
Plant Address:	5241 Arkwright Road, Macon, Georgia, 31210	Location Datum:	NAD83	Elevation Datum:	NAVD88
Project & Task Number:	175569434	Surface/ Ground Elevation (ft):	364.69	Stickup (ft, ags):	N/A
Goals/Task:	AP-3 Piezometer Installation	Borehole Diameter (in):	8.25	Borehole Depth (ft, bgs):	31.0
Drilling Company:	Southern Company Services C.F.S.	Well Casing Diameter (in):	2.00	Well Depth (ft, bgs):	30.8
Drilling Equipment/Rig Type:	CME 55LCX	Top of Casing elev (ft):	364.82	Screen length (ft):	10
Drilling Method:	HSA (7.63" OD/ 4.25" ID)	DTW at Development - 4/21/25 (ft, toc):	18.44		
Sampling Method:	SPT	Static DTW - 4/24/25 (ft, toc):	18.54		
Prepared By:	Andreas Shoredits				
Review By:	Patrick Dunne				

***Not to Scale**

*Depth (feet)	Well Construction				Materials Inventory
	Stick up	0.13'	8" Flushmount Cover with Locking Lid		Stick up: 0.13 ft, ags
	Ground surface - 0.0'				
					Outer Casing Type (steel or PVC, schedule 40 or 80): N/A
					Outer Casing Top: N/A ft, bgs Bottom: N/A ft, bgs
	Bottom of Grout Top of Bentonite	14.5	350.2	Top of Bentonite Elevation	Screen Type: Slotted Schedule 40 PVC
			2-in	inch casing	Screen Slot Size: 0.010
					Screen Top: 20.4 ft, bgs Bottom: 30.4 ft, bgs
	Bottom of Bentonite Top of Filter Pack	17.3	347.4	Top of Filter pack Elevation	Sump/end cap Top: 30.4 ft, bgs Bottom: 30.8 ft, bgs
	Top of Screen	20.4	344.3	Top of Screen Elevation	Grout Quantity: 1.5 (50 lb) bags of Aqua Guard and 20 gallons water
			0.010	Slot screen	Grout Type: Baroid Aqua Guard 30% Solids Grout
					Grout Top: 0.0 ft, bgs Bottom: 14.5 ft, bgs
					Bentonite Type: Pel-Plug 3/8" PDS TR30 pellets
					Bentonite Quantity: 1.0 bucket
					Bentonite Seal Top: 14.5 ft, bgs Bottom: 17.3 ft, bgs
					Filter Pack - Annular Space Type (manufacturer, size): Covia Filtersil Industrial Sand Type 0.85. Used 9 x 50 lbs bags. Filter pack volume approx. 34.0 gal
					Filter Pack: Top: 17.3 ft, bgs Bottom: 31.0 ft, bgs
	Bottom of screen	30.4	334.3	Bottom of Screen Elevation	Notes:
	Sump/end cap	30.8	333.9	Sump/end cap elevation	Bentonite seal hydrated 2-hours prior to grout backfill
					backfill placement.
	Terminus of borehole	31.0	333.7	Base of filter pack Elevation	Backfill of borehole sump was not necessary.
					Elevation in feet NAVD88 (North American Vertical Datum 1988)

Well Installation Field Log

Project Name:	Plant Arkwright PDI Pilot Test	Date Started:	4/8/2025	Date Completed:	4/10/2025
Borehole/Well No:	ARK-PZ-16-TEMP-39 (*ARK-AP3-PZ-05-TEMP-39*)	Northing (ft):	1065454.21	Easting (ft):	2438024.97
Plant Name:	Arkwright	Latitude:	32.928358	Longitude:	-83.705678
Plant Address:	5241 Arkwright Road, Macon, Georgia, 31210	Location Datum:	NAD83	Elevation Datum:	NAVD88
Project & Task Number:	175569434	Surface/ Ground Elevation (ft):	364.50	Stickup (ft, ags):	N/A
Goals/Task:	AP-3 Piezometer Installation	Borehole Diameter (in):	8.25	Borehole Depth (ft, bgs):	38.7
Drilling Company:	Southern Company Services C.F.S.	Well Casing Diameter (in):	2.00	Well Depth (ft, bgs):	38.3
Drilling Equipment/Rig Type:	CME 55LCX	Top of Casing elev (ft):	364.66	Screen length (ft):	10
Drilling Method:	HSA (7.63" OD/ 4.25" ID)	DTW at Development - 4/21/25 (ft, toc):	18.55		
Sampling Method:	SPT	Static DTW - 4/24/25 (ft, toc):	18.34		
Prepared By:	Andreas Shoredits				
Review By:	Patrick Dunne				

***Not to Scale**

***Depth (feet)**

Well Construction

8" Flushmount
Stick up 0.16' Cover with Locking Lid

Ground surface - 0.0'

Bottom of Grout Top of Bentonite	23.8	340.7	Top of Bentonite Elevation
		2-in	inch casing
Bottom of Bentonite Top of Filter Pack	26.0	338.5	Top of Filter pack Elevation
Top of Screen	27.9	336.6	Top of Screen Elevation
		0.010	Slot screen
Bottom of screen	37.9	326.6	Bottom of Screen Elevation
Sump/end cap	38.3	326.2	Sump/end cap elevation
Terminus of borehole	38.7	325.8	Base of filter pack Elevation

Materials Inventory

Stick up: 0.16 ft, ags

Outer Casing Type (steel or PVC, schedule 40 or 80): N/A

Outer Casing Top: N/A ft, bgs Bottom: N/A ft, bgs

Screen Type: Slotted Schedule 40 PVC

Screen Slot Size: 0.010

Screen Top: 27.9 ft, bgs Bottom: 37.9 ft, bgs

Sump/end cap Top: 37.9 ft, bgs Bottom: 38.3 ft, bgs

Grout Quantity: 3 (50 lb) bags of Aqua Guard and 35 gallons water

Grout Type: Baroid Aqua Guard 30% Solids Grout

Grout Top: 0.0 ft, bgs Bottom: 23.8 ft, bgs

Bentonite Type: Pel-Plug 3/8" PDS TR30 pellets

Bentonite Quantity: 1.0 bucket

Bentonite Seal Top: 23.8 ft, bgs Bottom: 26.0 ft, bgs

Filter Pack - Annular Space
Type (manufacturer, size):
DSI Gravel Pack, Sand Type GP#1A. Used 8 x 0.5 ft^3 bags.
Filter pack volume approx. 30.0 gal

Filter Pack: Top: 26.0 ft, bgs Bottom: 38.7 ft, bgs

Notes:

Bentonite seal hydrated 2-hours prior to grout backfill backfill placement.

Backfill of borehole sump was not necessary.

Elevation in feet NAVD88 (North American Vertical Datum 1988)

APPENDIX C

Piezometer Development Forms

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_4/21/2025_

Calibrated By:_Jacob Ashe_ Field Conditions:_Sunny, 22 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1170046
Turbidity Meter	Hach 2100Q	24090D000297

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	Jan-26	AIR
pH (SU)	4.00	24014218	Jan-26	AIR
pH (SU)	7.00	24014266	Jan-26	AIR
pH (SU)	10.00	24011537	Jan-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	22490162	Jan-26	AIR

Calibration					
Time Start	**09:15**	**Time Finish**	**09:30**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4425.1	22.23	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	22.0	± 0.1	GWMP
pH (SU)	7.00	7.05	22.0	± 0.1	GWMP
pH (SU)	10.00	10.21	22.0	± 0.1	GWMP
D.O. (%)	N/A	99.26	22.0	± 10%	NA
ORP (mV)	228.0	224.6	22.0	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.7	± 10% of standard	EPA 2023
	100	98.8		
	800	799		
	10	9.48		

Calibration Check					
Time Start	**21:00**	**Time Finish**	**21:30**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4336.8	23.6	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	23.6	± 0.1	GWMP
pH (SU)	7.00	7.04	21.4	± 0.1	GWMP
pH (SU)	10.00	10.1	21.9	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20	± 10% of standard	EPA 2023
	100	94.6		
	800	782		
	10	9.31		

Notes:

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_4/21/2025_

Calibrated By:_Jackson Bankston_ Field Conditions:_Sunny, 23 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1177603
Turbidity Meter	Hach 2100Q	22090D000345

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	Jan-26	AIR
pH (SU)	4.00	24014218	Jan-26	AIR
pH (SU)	7.00	24014266	Jan-26	AIR
pH (SU)	10.00	24011537	Jan-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	22490162	Jan-26	AIR

Calibration					
Time Start	**09:00**	**Time Finish**	**09:30**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4272.3	22.46	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	22.46	± 0.1	GWMP
pH (SU)	7.00	7.06	22.1	± 0.1	GWMP
pH (SU)	10.00	10.07	22.16	± 0.1	GWMP
D.O. (%)	N/A	100.8	23.2	± 10%	NA
ORP (mV)	228.0	220.1	22.84	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.2	± 10% of standard	EPA 2023
	100	101		
	800	795		
	10	9.89		

Calibration Check					
Time Start	**21:00**	**Time Finish**	**21:30**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4311.4	23.6	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	23.6	± 0.1	GWMP
pH (SU)	7.00	7.08	21.4	± 0.1	GWMP
pH (SU)	10.00	10.09	21.9	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	21	± 10% of standard	EPA 2023
	100	105		
	800	802		
	10	9.27		

Notes:

Low-Flow Test Report:

Test Date / Time: 4/21/2025 12:35:13 PM
Project: Arkwright AP3 Well Development
Operator Name: J. Ashe

Location Name: **ARK-AP3-PZ-01-TEMP-37** **Latitude: 32.92337935842184** **Longitude: -83.71927855296364** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 25.7 ft** **Total Depth: 36.4 ft** **Initial Depth to Water: 17.12 ft**	**Pump Type: Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 30 ft** **Estimated Total Volume Pumped: 8500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 340 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170046**

Test Notes:
Development by over-pumping @ 10:35; Reduced flow rate to 340ml/min @ 12:35; Approximately 40 gallons total purged.

Weather Conditions:
25°C, Partly Cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
4/21/2025 12:35 PM	00:00	5.45 pH	22.66 °C	1,825.1 µS/cm	0.90 mg/L	22.40 NTU	181.1 mV	17.12 ft	340.00 ml/min
4/21/2025 12:40 PM	05:00	5.43 pH	20.72 °C	1,861.9 µS/cm	0.42 mg/L	15.50 NTU	104.4 mV	17.12 ft	340.00 ml/min
4/21/2025 12:45 PM	10:00	5.43 pH	20.39 °C	1,842.4 µS/cm	0.29 mg/L	11.20 NTU	26.9 mV	17.12 ft	340.00 ml/min
4/21/2025 12:50 PM	15:00	5.44 pH	20.33 °C	1,835.3 µS/cm	0.25 mg/L	14.20 NTU	-10.1 mV	17.12 ft	340.00 ml/min
4/21/2025 12:55 PM	20:00	5.43 pH	20.39 °C	1,817.4 µS/cm	0.25 mg/L	6.82 NTU	-25.4 mV	17.12 ft	340.00 ml/min
4/21/2025 1:00 PM	25:00	5.42 pH	20.59 °C	1,783.7 µS/cm	0.30 mg/L	7.85 NTU	-24.9 mV	17.12 ft	340.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 4/21/2025 7:45:40 PM
Project: Arkwright AP3 Well Development
Operator Name: J. Ashe

Location Name: **ARK-AP3 PZ-02-TEMP-33** **Latitude: 32.92838737649116** **Longitude: -83.70572954943098** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.1 ft** **Total Depth: 32.5 ft** **Initial Depth to Water: 18.56 ft**	**Pump Type: Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 27 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 500 ml/min** **Final Draw Down: 0.22 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170046**

Test Notes:
Development by over-pumping @ 1715; Reduced flow rate to 500ml/min @ 19:45; Approximately 95 gallons total purged.

Weather Conditions:
26°C, partly cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
4/21/2025 7:45 PM	00:00	5.50 pH	21.44 °C	1,194.7 µS/cm	1.55 mg/L	28.40 NTU	109.6 mV	18.56 ft	500.00 ml/min
4/21/2025 7:50 PM	05:00	5.46 pH	19.78 °C	1,143.0 µS/cm	1.25 mg/L	20.50 NTU	180.3 mV	18.78 ft	500.00 ml/min
4/21/2025 7:55 PM	10:00	5.46 pH	19.68 °C	1,141.9 µS/cm	1.29 mg/L	14.80 NTU	185.0 mV	18.78 ft	500.00 ml/min
4/21/2025 8:00 PM	15:00	5.46 pH	19.58 °C	1,102.6 µS/cm	1.29 mg/L	9.80 NTU	184.2 mV	18.78 ft	500.00 ml/min
4/21/2025 8:05 PM	20:00	5.45 pH	19.54 °C	1,109.2 µS/cm	1.33 mg/L	9.83 NTU	179.2 mV	18.78 ft	500.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 4/21/2025 5:23:51 PM
Project: Arkwright AP3 Well Development
Operator Name: Jackson Bankston

Location Name: **ARK-AP3-PZ-03-TEMP-40** **Latitude: 32.92843950449125** **Longitude: -83.70572447786948** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 29.1 ft** **Total Depth: 39.5 ft** **Initial Depth to Water: 18.85 ft**	**Pump Type: Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 34 ft** **Estimated Total Volume Pumped: 17000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:

Test Notes: Development by over-pumping @ 16:00; Reduced flow rate to 200 ml/min @ 17:15 and placed pump intake at mid-screen. Approximately 58 gallons total purged.

Weather Conditions:
Sunny 29C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
4/21/2025 5:23 PM	00:00	5.49 pH	20.80 °C	2,410.2 µS/cm	0.84 mg/L	14.90 NTU	-214.4 mV	18.85 ft	200.00 ml/min
4/21/2025 5:28 PM	05:00	5.48 pH	20.75 °C	2,370.7 µS/cm	0.71 mg/L	78.00 NTU	-239.1 mV	18.85 ft	200.00 ml/min
4/21/2025 5:33 PM	10:00	5.49 pH	21.43 °C	2,342.7 µS/cm	0.64 mg/L	154.00 NTU	-285.6 mV	18.85 ft	200.00 ml/min
4/21/2025 5:38 PM	15:00	5.49 pH	21.80 °C	2,299.7 µS/cm	0.62 mg/L	161.00 NTU	-289.7 mV	18.85 ft	200.00 ml/min
4/21/2025 5:43 PM	20:00	5.50 pH	21.24 °C	2,274.7 µS/cm	0.60 mg/L	126.00 NTU	-292.7 mV	18.85 ft	200.00 ml/min
4/21/2025 5:48 PM	25:00	5.50 pH	21.43 °C	2,248.7 µS/cm	0.54 mg/L	145.00 NTU	-308.5 mV	18.85 ft	200.00 ml/min
4/21/2025 5:53 PM	30:00	5.49 pH	21.34 °C	2,248.6 µS/cm	0.47 mg/L	138.00 NTU	-301.9 mV	18.85 ft	200.00 ml/min
4/21/2025 5:58 PM	35:00	5.48 pH	21.38 °C	2,233.4 µS/cm	0.43 mg/L	139.00 NTU	-293.2 mV	18.85 ft	200.00 ml/min
4/21/2025 6:03 PM	40:00	5.48 pH	21.52 °C	2,224.2 µS/cm	0.41 mg/L	122.00 NTU	-287.5 mV	18.85 ft	200.00 ml/min
4/21/2025 6:08 PM	45:00	5.49 pH	21.29 °C	2,372.0 µS/cm	0.43 mg/L	87.10 NTU	-294.2 mV	18.85 ft	200.00 ml/min
4/21/2025 6:13 PM	50:00	5.48 pH	20.66 °C	2,358.5 µS/cm	0.32 mg/L	72.90 NTU	-277.8 mV	18.85 ft	200.00 ml/min

4/21/2025 6:18 PM	55:00	5.48 pH	20.54 °C	2,338.2 µS/cm	0.46 mg/L	64.60 NTU	-241.9 mV	18.85 ft	200.00 ml/min
4/21/2025 6:23 PM	01:00:00	5.49 pH	20.58 °C	2,347.8 µS/cm	0.28 mg/L	42.67 NTU	-270.5 mV	18.85 ft	200.00 ml/min
4/21/2025 6:28 PM	01:05:00	5.48 pH	20.39 °C	2,312.2 µS/cm	0.26 mg/L	43.60 NTU	-251.8 mV	18.85 ft	200.00 ml/min
4/21/2025 6:33 PM	01:10:00	5.48 pH	20.37 °C	2,305.8 µS/cm	0.26 mg/L	21.80 NTU	-237.0 mV	18.85 ft	200.00 ml/min
4/21/2025 6:38 PM	01:15:00	5.48 pH	20.32 °C	2,278.9 µS/cm	0.25 mg/L	18.70 NTU	-230.9 mV	18.85 ft	200.00 ml/min
4/21/2025 6:43 PM	01:20:00	5.48 pH	20.40 °C	2,311.9 µS/cm	0.24 mg/L	14.30 NTU	-223.6 mV	18.85 ft	200.00 ml/min
4/21/2025 6:48 PM	01:25:00	5.48 pH	20.14 °C	2,260.6 µS/cm	0.26 mg/L	8.38 NTU	-205.1 mV	18.85 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/21/2025 3:42:25 PM
Project: Arkwright AP3 Well Development
Operator Name: J. Ashe

Location Name: **ARK-AP3-PZ-04-TEMP-31** **Latitude: 32.92816898786689** **Longitude: -83.70582674957288** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 20.4 ft** **Total Depth: 30.8 ft** **Initial Depth to Water: 18.44 ft**	**Pump Type: Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 18700 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 340 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170046**

Test Notes:
Development by over-pumping @ 13:45. Stop development @ 14:15 due to low pump battery level and resume development @ 15:00. Reduced flow rate to 340 ml/min @ 15:40; Approximately 35 gallons total purged.

Weather Conditions:
28°C, Mostly cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
4/21/2025 3:42 PM	00:00	5.62 pH	26.85 °C	1,545.9 µS/cm	1.26 mg/L	25.70 NTU	85.0 mV	18.44 ft	340.00 ml/min
4/21/2025 3:47 PM	05:00	5.56 pH	22.22 °C	1,797.2 µS/cm	0.56 mg/L	17.70 NTU	21.7 mV	18.52 ft	340.00 ml/min
4/21/2025 3:52 PM	10:00	5.55 pH	22.01 °C	1,761.9 µS/cm	0.45 mg/L	24.10 NTU	25.7 mV	18.52 ft	340.00 ml/min
4/21/2025 3:57 PM	15:00	5.55 pH	21.99 °C	1,715.5 µS/cm	0.43 mg/L	21.70 NTU	48.8 mV	18.52 ft	340.00 ml/min
4/21/2025 4:02 PM	20:00	5.54 pH	21.85 °C	1,673.2 µS/cm	0.44 mg/L	15.70 NTU	66.6 mV	18.55 ft	340.00 ml/min
4/21/2025 4:07 PM	25:00	5.55 pH	21.74 °C	1,579.4 µS/cm	0.48 mg/L	35.60 NTU	91.7 mV	18.55 ft	340.00 ml/min
4/21/2025 4:12 PM	30:00	5.56 pH	21.87 °C	1,504.9 µS/cm	1.02 mg/L	34.80 NTU	109.8 mV	18.55 ft	340.00 ml/min
4/21/2025 4:17 PM	35:00	5.57 pH	22.09 °C	1,482.8 µS/cm	1.18 mg/L	19.60 NTU	114.7 mV	18.55 ft	340.00 ml/min
4/21/2025 4:22 PM	40:00	5.56 pH	21.96 °C	1,500.0 µS/cm	1.01 mg/L	23.80 NTU	117.5 mV	18.55 ft	340.00 ml/min
4/21/2025 4:27 PM	45:00	5.56 pH	22.09 °C	1,462.3 µS/cm	0.96 mg/L	14.70 NTU	119.5 mV	18.55 ft	340.00 ml/min
4/21/2025 4:32 PM	50:00	5.57 pH	22.27 °C	1,441.7 µS/cm	1.06 mg/L	12.50 NTU	128.4 mV	18.55 ft	340.00 ml/min
4/21/2025 4:37 PM	55:00	5.56 pH	22.44 °C	1,451.4 µS/cm	0.92 mg/L	9.43 NTU	137.2 mV	18.55 ft	340.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 4/21/2025 3:00:32 PM
Project: Arkwright AP3 Well Development
Operator Name: Jackson Bankston

Location Name: **ARK-AP3-PZ-05-TEMP-39** **Latitude: 32.92796508480224** **Longitude: -83.70560250643649** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.9 ft** **Total Depth: 38.3 ft** **Initial Depth to Water: 18.55 ft**	**Pump Type: Reclaimer** **Tubing Type: LDPE** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:
Development by over-pumping @ 10:25. Ceased test at 12:40 due to low pump battery status. Restarted test @ 15:00 with reduced flow rate of 200 ml/min and placed pump at mid-screen. Approximately 62 gallons total purged.

Weather Conditions:
Sunny 26C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
4/21/2025 3:00 PM	00:00	5.52 pH	19.68 °C	2,036.5 µS/cm	0.56 mg/L	12.70 NTU	-402.5 mV	18.63 ft	200.00 ml/min
4/21/2025 3:05 PM	05:00	5.58 pH	19.65 °C	2,026.8 µS/cm	0.26 mg/L	16.83 NTU	-451.4 mV	18.68 ft	200.00 ml/min
4/21/2025 3:10 PM	10:00	5.57 pH	19.63 °C	1,972.6 µS/cm	0.23 mg/L	20.11 NTU	-439.8 mV	18.68 ft	200.00 ml/min
4/21/2025 3:15 PM	15:00	5.57 pH	19.69 °C	1,982.6 µS/cm	0.28 mg/L	27.60 NTU	-408.9 mV	18.68 ft	200.00 ml/min
4/21/2025 3:20 PM	20:00	5.57 pH	19.71 °C	1,991.2 µS/cm	0.28 mg/L	16.90 NTU	-396.4 mV	18.68 ft	200.00 ml/min
4/21/2025 3:25 PM	25:00	5.57 pH	19.72 °C	1,962.2 µS/cm	0.26 mg/L	12.30 NTU	-349.8 mV	18.68 ft	200.00 ml/min
4/21/2025 3:30 PM	30:00	5.56 pH	19.83 °C	1,973.4 µS/cm	0.24 mg/L	9.86 NTU	-380.5 mV	18.68 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

APPENDIX D

Certified Piezometer Survey

GEORGIA POWER
PLANT ARKWRIGHT
MONITORING WELL SURVEY DATA
May 29, 2025
DGA JOB # 5568-008-D1, H098

WELL ID	NORTHING	EASTING	ELEVATIONS		
			GROUND	NAIL	TOP OF
			ELEVATION	IN CONCRETE	CASING
ARAMW-4	1065463.83	2438004.43	364.56	364.83	367.86
ARKAP3PZ-01	1065473.76	2437997.41	363.60	363.9	363.68
ARKAP3PZ-02	1065452.55	2438002.15	364.79	365.15	364.75
ARKAP3PZ-03	1065468.38	2438020.99	364.96	365.34	365.18
ARKAP3PZ-04	1065443.03	2438010.35	364.69	364.92	364.82
ARKAP3PZ-05	1065454.21	2438024.97	364.50	364.84	364.66

COORDINATES ARE GA STATE PLANE, WEST ZONE, NAD 83.
ELEVATIONS ARE BASED ON MEAN SEA LEVEL, NAVD 88.

Survey data shown below has a horizontal positional tolerance of +/-0.5 feet and a vertical positional tolerance of +/- 0.01 feet at the 95% level of confidence.
Equipment used to obtain horizontal and vertical coordinates was a CARLSON BRX7 GPS RECEIVER WITH A SOKKIA SHC6000 DATA COLLECTOR.
Benchmark used to establish horizontal and vertical positions was established from LEICA SMARTNET REAL TIME NETWORK. Coordinates are reported in Ga state plane west zone U.S. survey feet.

APPENDIX E

SCS Drilling Bond

CONTINUATION CERTIFICATE

SAFECO Insurance Company of America , Surety upon

a certain Bond No. **4993104**

dated effective June 30, 1987
(MONTH-DAY-YEAR)

on behalf of Southern Company Services, Inc.
(PRINCIPAL)

and in favor of Georgia Department of Natural Resources, Environmental Protection Division
(OBLIGEE)

does hereby continue said bond in force for the further period

beginning on June 30, 2024
(MONTH-DAY-YEAR)

and ending on June 30, 2025
(MONTH-DAY-YEAR)

Amount of bond Fifteen Thousand Dollars and 00/100 ($15,000.00)

Description of bond Water Well Contractors & Drillers

Premium: $100.00

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

Signed and dated on 05/31/2023
(MONTH-DAY-YEAR)

SAFECO Insurance Company of America

175 Berkeley Street, Boston, MA 02116

By _____
Attorney-in-Fact Jeffrey M. Wilson, Attorney-in-Fact

McGriff Insurance Services, LLC
Agent

2211 7th Avenue South, Birmingham, AL 35233
Address of Agent

(205) 252-9871
Telephone Number of Agent

S-0157/GE 8/08

XDF

TRAVELERS

Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Jeffrey M Wilson** of **BIRMINGHAM**, **Alabama**, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April**, **2021**.

State of Connecticut

City of Hartford ss.

By: _____
Robert L. Raney, Senior Vice President

On this the **21st** day of **April**, **2021**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, **2026**

_____
Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **31st** day of **May**, **2023**.

_____
Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.

PILOT TEST PIEZOMETER SAMPLING DATA SUMMARY - GROUNDWATER, APRIL AND JUNE 2025
Georgia Power Company - Plant Arkwright
Ash Pond 3 Landfill and Monofill
Macon, Bibb County, Georgia

Sample Location		ARK-PZ-12-TEMP-37		ARK-PZ-13-TEMP-33		ARK-PZ-14-TEMP-40		ARK-PZ-15-TEMP-31		ARK-PZ-16-TEMP-39	
Sample Date		4/24/2025	6/12/2025	4/24/2025	6/12/2025	4/24/2025	6/12/2025	4/24/2025	6/12/2025	4/24/2025	6/12/2025
ANALYTE	**UNITS**										
APPENDIX III											
Boron	mg/L	0.203	0.230	0.103 J	0.103	0.814	0.758	0.454	0.437	0.649	0.660
Calcium	mg/L	215	215	97.4	84.2	327	315	241	236	294	279
Chloride	mg/L	3.70	3.74	3.63	2.98	6.45	613	5.41	4.81	6.33	6.40
Fluoride	mg/L	0.0990 J	0.141 J	0.0606 J	0.0538 J	0.110 J	0.159 J	0.0948 J	0.169 J	0.222	0.161 J
Sulfate	mg/L	1140	1160	485	473	1420	1540	1030	1110	1250	1380
TDS	mg/L	1680	1830	775	707	2170	2290	1580	1740	1930	2200
APPENDIX IV											
Cobalt	mg/L	0.0335	0.0144	0.0244	0.0242	0.0558	0.0344	0.0224	0.0118	0.0151	0.00785
FIELD WATER CHEMISTRY											
pH	SU	5.35	5.25	5.41	5.35	5.70	5.51	5.56	5.51	5.71	5.54
Specific Conductance	µS/cm	1808.6	1967	950.69	857.3	2081.5	2440.4	1743.5	1878.0	1988.4	2243.7
ORP	mV	427.0	126.1	468.7	142.3	-88.2	132.3	22.1	70.3	-247.1	126.4
Dissolved Oxigen	mg/L	0.09	0.056	0.54	0.364	0.13	0.13	0.11	0.068	0.09	0.34
Temperature	°C	22.27	20.24	20.65	21.42	19.97	21.90	21.16	20.61	20.08	22.62
Turbidity	NTU	4.18	1.79	4.48	2.39	4.79	4.97	4.97	2.30	4.59	4.05

Notes:

mg/L - milligrams per liter
SU - Standard Units
TDS - Total dissolved solids
ORP- Oxidation-Reduction Potential
µS/cm- microsiemens per centimeter
mV- millivolts
°C- degrees celcius
NTU- nephelometric turbidity units
< - Indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. “J” qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory reporting limit.

Appendix C
Field Sampling Data and Analytical Data Reports

C.1 Field Sampling Data

Groundwater Level Measurement Form

Project Name: Southern Company Arkwright | **Page** 1 **of** 1

Plant Name: Plant Arkwright | **Date:** 8/19/2024

Plant Address: 5001 Arkwright Road, Macon, GA 31210 | **Field Staff Names:** John Myer; Dylan Quintal; Zach Levy; Jackson Bankston

Project Number: 175569434 | **Goal/Task:** Groundwater Investigation

Gauging Start Time 8:30 | **Gauging Finish Time** 15:20

Well ID	Time	Depth to Groundwater (ft, BTOC)	Current Depth to Bottom (ft, BTOC)	Notes/Remarks
AP-3				
ARGWA-3	8:58	35.68	38.78	Top of pump
ARGWA-5	9:09	23.59	27.75	Top of pump
ARGWA-12	9:04	17.85	23.72	Top of pump
ARGWA-13	8:50	25.40	34.99	Top of pump; Transducer
ARGWA-14	8:44	42.78	49.63	Top of pump
ARGWA-24	9:12	21.04	28.09	Transducer, Total depth
ARGWC-15	8:40	29.92	33.61	Top of pump
ARGWC-16	9:35	21.63	26.19	Top of pump
ARGWC-17	9:30	22.95	25.28	Top of pump; Transducer
ARGWC-18	9:45	30.02	42.62	Top of pump
ARAMW-3	9:52	27.27	67.85	Transducer
ARAMW-4	9:26	22.63	57.66	Transducer
ARAMW-6	9:57	14.84	32.32	NA
ARGWC-7	9:40	25.24	39.05	Top of pump; Transducer
ARGWC-8	9:49	27.81	34.68	Top of pump
ARGWC-9	10:02	22.82	29.67	Top of pump
ARGWC-10	10:40	23.14	NM	
AP3PZ-1	8:38	12.11	NM	
AP3PZ-1A	8:34	11.91	NM	
AP3PZ-2	9:59	15.71	NM	
AP3PZ-2A	9:57	15.25	NM	
AP3PZ-3	8:56	15.89	NM	
AP3PZ-3A	8:58	16.03	NM	
AP3PZ-4	9:06	18.16	NM	
AP3PZ-4A	9:08	18.41	NM	
AP3PZ-5A	9:14	11.96	NM	
CCRLF-1	11:42	10.78	23.50	
CCRLF-2	10:17	19.61	NM	
CCRLF-3	12:40	25.95	35.54	
CCRLF-4	12:50	21.44	35.99	
CCRLF-5	12:35	44.14	62.76	Rusted lock opens with difficulty
STN-PZ7	12:03	15.35	32.98	
STN-PZ8	10:25	25.05	NM	
STN-TW37	10:32	15.15	NM	

Groundwater Level Measurement Form

Project Name:	Southern Company Arkwright	**Page** 1 **of** 1	
Plant Name:	Plant Arkwright	**Date:**	8/19/2024
Plant Address:	5001 Arkwright Road, Macon, GA 31210	**Field Staff Names:**	John Myer; Dylan Quintal; Zach Levy; Jackson Bankston
Project Number:	175569434	**Goal/Task:**	Groundwater Investigation
Gauging Start Time	8:30	**Gauging Finish Time**	15:20

Well ID	Time	Depth to Groundwater (ft, BTOC)	Current Depth to Bottom (ft, BTOC)	Notes/Remarks
Stream Gauges				
SG-01 (AP3 pond)	9:18	>356.00	NA	Gauge above WL
SG-02 (AP3 north canal)	10:20	0.47	NA	NA
SG-03 (AP3 middle canal)	10:12	0.57	NA	NA
SG-04 (AP3 south canal)	10:07	0.68	NA	NA

Sampler Signatures:

Low-Flow Test Report:

Test Date / Time: 8/21/2024 3:30:51 PM
Project: Arkwright
Operator Name: Dylan Quintal

Location Name: Arkwright, AP3, ARAMW-4 **Latitude: 32.928419236891** **Longitude: -83.7057181075215** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 47.63 ft** **Total Depth: 57.66 ft** **Initial Depth to Water: 22.71 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 52.7 ft** **Estimated Total Volume Pumped: 9000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 450 ml/min** **Final Draw Down: 0.28 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
Pump speed: 5
Hydrogen sulfide: 0.0 mg/L

Weather Conditions:
Mostly sunny, 86F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/21/2024 3:30 PM	00:00	5.70 pH	24.85 °C	1,977.6 µS/cm	0.25 mg/L	9.84 NTU	54.2 mV	22.99 ft	450.00 ml/min
8/21/2024 3:35 PM	05:00	5.63 pH	20.73 °C	2,143.8 µS/cm	0.22 mg/L	2.54 NTU	68.6 mV	22.99 ft	450.00 ml/min
8/21/2024 3:40 PM	10:00	5.61 pH	20.78 °C	2,171.1 µS/cm	0.18 mg/L	4.25 NTU	67.5 mV	22.99 ft	450.00 ml/min
8/21/2024 3:45 PM	15:00	5.61 pH	20.92 °C	2,159.1 µS/cm	0.18 mg/L	3.00 NTU	69.8 mV	22.99 ft	450.00 ml/min
8/21/2024 3:50 PM	20:00	5.62 pH	21.08 °C	2,142.9 µS/cm	0.15 mg/L	3.10 NTU	66.8 mV	22.99 ft	450.00 ml/min

Samples

Sample ID:	Description:
ARK-AP3-FB-04	7 bottles at 1515: Metals, TDS, anions, nitrate/nitrite, radium
ARK-ARAMW-4	9 bottles at 1555: Metals, field filtered dissolved metals, anions, TDS, alkalinity, nitrate/nitrite, radium

Low-Flow Test Report:

Test Date / Time: 8/20/2024 4:25:41 PM
Project: Arkwright
Operator Name: J.Myer

Location Name: ARGWA-3 **Latitude: 32.93241344497616** **Longitude: -83.70756171412944** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.1 ft** **Total Depth: 42.3 ft** **Initial Depth to Water: 35.7 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 41.9 ft** **Estimated Total Volume Pumped: 6250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
MP-50 S/N: 22
ID: 103
PSI: 30
Turbidimeter S/N: 22990D000345
WL S/N: T11DF2106090ML
H-S: 0.0 mg/L

Weather Conditions:
Sunny 90 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
8/20/2024 4:25 PM	00:00	6.90 pH	31.48 °C	85.35 µS/cm	5.42 mg/L	9.46 NTU	110.7 mV	35.80 ft	250.00 ml/min
8/20/2024 4:30 PM	05:00	6.13 pH	22.04 °C	90.17 µS/cm	6.58 mg/L	6.57 NTU	143.8 mV	35.90 ft	250.00 ml/min
8/20/2024 4:35 PM	10:00	6.08 pH	21.59 °C	90.13 µS/cm	6.14 mg/L	6.61 NTU	108.0 mV	35.95 ft	250.00 ml/min
8/20/2024 4:40 PM	15:00	6.05 pH	21.42 °C	89.46 µS/cm	6.07 mg/L	4.60 NTU	103.1 mV	35.95 ft	250.00 ml/min
8/20/2024 4:45 PM	20:00	6.06 pH	21.02 °C	88.87 µS/cm	6.06 mg/L	4.90 NTU	101.5 mV	35.95 ft	250.00 ml/min
8/20/2024 4:50 PM	25:00	6.05 pH	21.06 °C	89.44 µS/cm	6.06 mg/L	4.42 NTU	96.2 mV	35.95 ft	250.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWA-3	9 bottles filled at 1655 1 Metals 1 Dissolved Metals 1 Alkalinity 1 Anions 1 TDS 1 Nitrate/Nitrite 3 Ra-226/Ra-228

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/21/2024 9:09:44 AM
Project: Arkwright
Operator Name: J. Bankston

Location Name: **Arkwright-ARGWA-5** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.3 ft** **Total Depth: 32.6 ft** **Initial Depth to Water: 23.7 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 30.9 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.18 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080306**

Test Notes:
MP-50 SN: 23,
ID: 100
40 PSI
Heron dipper-T SN 11DF2206168HB
H2S: 0.0 mg/L

Weather Conditions:
Sunny 82F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/21/2024 9:09 AM	00:00	5.71 pH	18.98 °C	197.48 µS/cm	5.00 mg/L	2.12 NTU	151.7 mV	23.84 ft	300.00 ml/min
8/21/2024 9:14 AM	05:00	5.72 pH	18.95 °C	195.90 µS/cm	4.79 mg/L	2.80 NTU	118.1 mV	23.88 ft	300.00 ml/min
8/21/2024 9:19 AM	10:00	5.72 pH	18.95 °C	195.44 µS/cm	4.66 mg/L	1.81 NTU	134.6 mV	23.89 ft	300.00 ml/min
8/21/2024 9:24 AM	15:00	5.72 pH	18.95 °C	194.35 µS/cm	4.57 mg/L	1.10 NTU	129.3 mV	23.90 ft	300.00 ml/min
8/21/2024 9:29 AM	20:00	5.72 pH	18.92 °C	193.49 µS/cm	4.58 mg/L	1.10 NTU	100.9 mV	23.88 ft	300.00 ml/min

Samples

Sample ID:	Description:
ARK-ARGWA-5	Sample Time: 0940; 9 bottles: Metals, Anions, TDS, Radium, nitrate/nitrite, alkalinity, Fe2+/Mn2+

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/20/2024 4:06:02 PM
Project: Arkwright
Operator Name: Dylan Quintal

Location Name: Arkwright, AP-3, ARGWA-12 **Latitude: 32.932653574922746** **Longitude: -83.7096593146499** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.5 ft** **Total Depth: 33.8 ft** **Initial Depth to Water: 17.06 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 26.7 ft** **Estimated Total Volume Pumped: 2000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.39 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
ID: 98, Pressure: 15 psi, Hydrogen sulfide: 0.0 mg/L

Weather Conditions:
Sunny, 88F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/20/2024 4:06 PM	00:00	6.02 pH	22.44 °C	195.44 µS/cm	3.09 mg/L	5.56 NTU	122.8 mV	17.41 ft	100.00 ml/min
8/20/2024 4:11 PM	05:00	6.00 pH	21.55 °C	192.52 µS/cm	3.09 mg/L	5.37 NTU	159.1 mV	17.45 ft	100.00 ml/min
8/20/2024 4:16 PM	10:00	5.99 pH	21.46 °C	187.96 µS/cm	3.00 mg/L	4.85 NTU	124.3 mV	17.45 ft	100.00 ml/min
8/20/2024 4:21 PM	15:00	5.97 pH	21.48 °C	183.69 µS/cm	2.88 mg/L	3.80 NTU	124.6 mV	17.45 ft	100.00 ml/min
8/20/2024 4:26 PM	20:00	5.96 pH	21.52 °C	179.66 µS/cm	2.75 mg/L	3.40 NTU	125.9 mV	17.45 ft	100.00 ml/min

Samples

Sample ID:	Description:
ARK-ARGWA-12	9 bottles at 1630: metals, field, filtered, dissolved metals, anions, TDS, alkalinity, nitrate/nitrite, radium.

Low-Flow Test Report:

Test Date / Time: 8/21/2024 10:25:24 AM
Project: Arkwright
Operator Name: Dylan Quintal

Location Name: Arkwright, AP3, ARGWA-13 **Latitude: 32.929695159363** **Longitude: -83.7053724378347** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.9 ft** **Total Depth: 44.2 ft** **Initial Depth to Water: 25.5 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 38.3 ft** **Estimated Total Volume Pumped: 3500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
ID: 98
Pressure: 20 psi Hydrogen
sulfide: 0.0 mg/L

Weather Conditions:
Mostly sunny, 75F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/21/2024 10:25 AM	00:00	6.00 pH	21.26 °C	1,353.9 µS/cm	4.06 mg/L	11.20 NTU	108.1 mV	25.61 ft	100.00 ml/min
8/21/2024 10:30 AM	05:00	5.85 pH	19.84 °C	1,533.3 µS/cm	1.82 mg/L	13.30 NTU	121.6 mV	25.61 ft	100.00 ml/min
8/21/2024 10:35 AM	10:00	5.83 pH	19.57 °C	1,523.8 µS/cm	1.73 mg/L	12.70 NTU	127.9 mV	25.61 ft	100.00 ml/min
8/21/2024 10:40 AM	15:00	5.82 pH	19.47 °C	1,517.5 µS/cm	1.74 mg/L	10.20 NTU	132.4 mV	25.61 ft	100.00 ml/min
8/21/2024 10:45 AM	20:00	5.81 pH	19.47 °C	1,510.1 µS/cm	1.66 mg/L	4.84 NTU	136.3 mV	25.61 ft	100.00 ml/min
8/21/2024 10:50 AM	25:00	5.80 pH	19.44 °C	1,517.8 µS/cm	1.52 mg/L	4.37 NTU	138.3 mV	25.61 ft	100.00 ml/min
8/21/2024 10:55 AM	30:00	5.79 pH	19.49 °C	1,521.2 µS/cm	1.40 mg/L	3.30 NTU	139.8 mV	25.61 ft	100.00 ml/min
8/21/2024 11:00 AM	35:00	5.79 pH	19.50 °C	1,526.2 µS/cm	1.33 mg/L	3.00 NTU	140.3 mV	25.61 ft	100.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWA-13	9 bottles at 1105: metals, field filtered dissolved metals, anions, TDS, alkalinity, nitrate/nitrite, radium.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/21/2024 8:51:09 AM
Project: Arkwright
Operator Name: Z Levy

Location Name: ARGWA-14 **Latitude: 32.92988022972316** **Longitude: -83.70457717787276** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49 ft** **Total Depth: 59.3 ft** **Initial Depth to Water: 42.79 ft**	**Pump Type: Dedicated bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 52.9 ft** **Estimated Total Volume Pumped: 6500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 6.55 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
HS: 0.0 mg/l
CPM:4
ID: 99
PSI: 30
Well purged dry. Will sample the following day.

Weather Conditions:
Clear 22 degrees Celsius

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.33	
8/21/2024 8:51 AM	00:00	6.85 pH	21.64 °C	496.14 µS/cm	6.72 mg/L	1.21 NTU	91.7 mV	44.90 ft	100.00 ml/min
8/21/2024 8:56 AM	05:00	6.85 pH	20.65 °C	494.99 µS/cm	7.18 mg/L	1.06 NTU	77.5 mV	45.76 ft	100.00 ml/min
8/21/2024 9:01 AM	10:00	6.81 pH	20.66 °C	450.40 µS/cm	7.30 mg/L	0.79 NTU	104.6 mV	46.42 ft	100.00 ml/min
8/21/2024 9:06 AM	15:00	6.76 pH	20.67 °C	380.97 µS/cm	7.27 mg/L	0.78 NTU	86.5 mV	47.14 ft	100.00 ml/min
8/21/2024 9:11 AM	20:00	6.69 pH	20.78 °C	329.09 µS/cm	7.21 mg/L	0.53 NTU	87.6 mV	47.85 ft	100.00 ml/min
8/21/2024 9:16 AM	25:00	6.65 pH	20.87 °C	302.21 µS/cm	7.13 mg/L	0.55 NTU	88.0 mV	48.35 ft	100.00 ml/min
8/21/2024 9:21 AM	30:00	6.63 pH	20.96 °C	280.11 µS/cm	7.04 mg/L	0.53 NTU	88.2 mV	48.47 ft	100.00 ml/min
8/21/2024 9:26 AM	35:00	6.63 pH	20.95 °C	269.01 µS/cm	7.03 mg/L	0.49 NTU	87.8 mV	48.60 ft	100.00 ml/min
8/21/2024 9:31 AM	40:00	6.66 pH	20.94 °C	296.93 µS/cm	7.04 mg/L	0.56 NTU	86.2 mV	48.98 ft	100.00 ml/min
8/21/2024 9:36 AM	45:00	6.73 pH	21.01 °C	378.11 µS/cm	6.99 mg/L	0.80 NTU	84.0 mV	49.34 ft	100.00 ml/min

8/21/2024 9:41 AM	50:00	6.77 pH	21.05 °C	436.76 µS/cm	6.88 mg/L	1.19 NTU	82.7 mV	49.34 ft	100.00 ml/min
8/21/2024 9:46 AM	55:00	6.79 pH	21.20 °C	458.14 µS/cm	6.80 mg/L	1.65 NTU	81.9 mV	49.34 ft	100.00 ml/min
8/21/2024 9:51 AM	01:00:00	6.80 pH	21.36 °C	469.36 µS/cm	6.80 mg/L	1.67 NTU	81.6 mV	49.34 ft	100.00 ml/min
8/21/2024 9:56 AM	01:05:00	6.80 pH	21.69 °C	478.71 µS/cm	6.83 mg/L	1.45 NTU	81.3 mV	49.34 ft	100.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/20/2024 4:38:44 PM
Project: Arkwright
Operator Name: J. Bankston

Location Name: ARGWA-24 **Latitude: 32.932321285407376** **Longitude: -83.70893533891993** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.9 ft** **Total Depth: 28.2 ft** **Initial Depth to Water: 21.06 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 23.0 ft** **Estimated Total Volume Pumped: 4375 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080306**

Test Notes:
Heron dipper-T SN 11DF2206168HB
H2S: 0.0 mg/L

Weather Conditions:
Sunny 90F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/20/2024 4:38 PM	00:00	5.72 pH	26.06 °C	137.57 µS/cm	1.51 mg/L	1.39 NTU	154.0 mV	21.12 ft	175.00 ml/min
8/20/2024 4:43 PM	05:00	5.71 pH	23.46 °C	141.39 µS/cm	1.39 mg/L	0.95 NTU	146.4 mV	21.12 ft	175.00 ml/min
8/20/2024 4:48 PM	10:00	5.73 pH	22.93 °C	141.90 µS/cm	1.34 mg/L	1.33 NTU	141.4 mV	21.12 ft	175.00 ml/min
8/20/2024 4:53 PM	15:00	5.70 pH	22.88 °C	142.44 µS/cm	1.43 mg/L	1.16 NTU	139.8 mV	21.12 ft	175.00 ml/min
8/20/2024 4:58 PM	20:00	5.70 pH	22.60 °C	141.89 µS/cm	1.54 mg/L	2.11 NTU	137.6 mV	21.12 ft	175.00 ml/min
8/20/2024 5:03 PM	25:00	5.71 pH	22.60 °C	142.66 µS/cm	1.51 mg/L	1.12 NTU	135.2 mV	21.12 ft	175.00 ml/min

Samples

Sample ID:	Description:
ARK-ARGWA-24	Sample Time: 1710; 9 bottles: Metals, Anions, TDS, Radium, nitrate/nitrite, Alkalinity, Fe2+/Mn2+

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/21/2024 3:30:53 PM
Project: Arkwright
Operator Name: J. Bankston

Location Name: **Arkwright-ARGWC-7** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.3 ft** **Total Depth: 48.6 ft** **Initial Depth to Water: 25.27 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 42.2 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080306**

Test Notes:
MP-50 SN: 23,
ID: 100
30: PSI
Heron dipper-T SN 11DF2206168HB
H2S: 0.0 mg/L

Weather Conditions:
Sunny 88F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/21/2024 3:30 PM	00:00	5.80 pH	24.29 °C	144.81 µS/cm	4.81 mg/L	6.63 NTU	176.8 mV	25.40 ft	200.00 ml/min
8/21/2024 3:35 PM	05:00	5.75 pH	21.85 °C	146.94 µS/cm	4.45 mg/L	3.89 NTU	147.6 mV	25.40 ft	200.00 ml/min
8/21/2024 3:40 PM	10:00	5.76 pH	21.28 °C	147.02 µS/cm	4.35 mg/L	1.97 NTU	133.2 mV	25.40 ft	200.00 ml/min
8/21/2024 3:45 PM	15:00	5.75 pH	21.11 °C	147.31 µS/cm	4.22 mg/L	2.17 NTU	128.3 mV	25.40 ft	200.00 ml/min
8/21/2024 3:50 PM	20:00	5.74 pH	21.18 °C	147.37 µS/cm	4.18 mg/L	1.10 NTU	120.7 mV	25.40 ft	200.00 ml/min

Samples

Sample ID:	Description:
ARK-ARGWC-7	Sample Time: 1600; 9 bottles: Metals, Anions, TDS, Radium, Alkalinity, Nitrate/Nitrite, Fe2+/Mn2+

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/21/2024 3:04:06 PM
Project: Arkwright
Operator Name: Z Levy

Location Name: ARGWC-8 **Latitude: 32.92576525829081** **Longitude: -83.70723975830126** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.9 ft** **Total Depth: 43.2 ft** **Initial Depth to Water: 28.19 ft**	**Pump Type: Dedicated bladder pump** **Tubing Type: LDPE** **Pump Intake From TOC: 37 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
CPM:4
ID: 102
PSI: 30
HS: 0.0 mg/l

Weather Conditions:
Clear 32 degrees Celsius

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.33	
8/21/2024 3:04 PM	00:00	6.41 pH	23.06 °C	401.11 µS/cm	0.27 mg/L	4.97 NTU	74.8 mV	28.20 ft	400.00 ml/min
8/21/2024 3:09 PM	05:00	6.43 pH	22.25 °C	412.58 µS/cm	0.23 mg/L	3.04 NTU	59.4 mV	28.20 ft	400.00 ml/min
8/21/2024 3:14 PM	10:00	6.53 pH	22.00 °C	412.76 µS/cm	0.22 mg/L	2.32 NTU	53.5 mV	28.20 ft	400.00 ml/min
8/21/2024 3:19 PM	15:00	6.52 pH	21.95 °C	413.52 µS/cm	0.20 mg/L	1.60 NTU	50.7 mV	28.20 ft	400.00 ml/min
8/21/2024 3:24 PM	20:00	6.51 pH	22.12 °C	414.51 µS/cm	0.17 mg/L	1.57 NTU	49.3 mV	28.20 ft	400.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-8	@ 1530 9 bottles Radium Metals Dissolved metals Nitrate/nitrite Anions TDS Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/21/2024 12:45:23 PM
Project: Arkwright
Operator Name: Z Levy

Location Name: ARGWC-9 **Latitude: 32.92749360672478** **Longitude: -83.70814315982508** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 29.7 ft** **Total Depth: 40.1 ft** **Initial Depth to Water: 22.88 ft**	**Pump Type: Dedicated bladder pump** **Tubing Type: LDPE** **Pump Intake From TOC: 32.9 ft** **Estimated Total Volume Pumped: 15750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 450 ml/min** **Final Draw Down: 0.17 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
CPM:4
ID: 102
PSI: 30
HS: 0.0mg/l

Weather Conditions:
Clear 32 degrees Celsius

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.33	
8/21/2024 12:45 PM	00:00	6.29 pH	26.77 °C	66.81 µS/cm	6.25 mg/L	2.95 NTU	93.4 mV	23.05 ft	450.00 ml/min
8/21/2024 12:50 PM	05:00	6.04 pH	22.25 °C	72.50 µS/cm	7.11 mg/L	2.07 NTU	92.0 mV	23.05 ft	450.00 ml/min
8/21/2024 12:55 PM	10:00	6.03 pH	22.16 °C	72.35 µS/cm	7.11 mg/L	1.15 NTU	120.2 mV	23.05 ft	450.00 ml/min
8/21/2024 1:00 PM	15:00	6.02 pH	21.97 °C	72.44 µS/cm	7.09 mg/L	1.00 NTU	123.1 mV	23.05 ft	450.00 ml/min
8/21/2024 1:05 PM	20:00	6.31 pH	22.08 °C	72.89 µS/cm	7.17 mg/L	1.00 NTU	124.6 mV	23.05 ft	450.00 ml/min
8/21/2024 1:10 PM	25:00	6.04 pH	21.76 °C	72.38 µS/cm	7.11 mg/L	0.85 NTU	125.4 mV	23.05 ft	450.00 ml/min
8/21/2024 1:15 PM	30:00	6.01 pH	21.77 °C	72.70 µS/cm	7.15 mg/L	0.95 NTU	125.8 mV	23.05 ft	450.00 ml/min
8/21/2024 1:20 PM	35:00	5.97 pH	21.93 °C	72.75 µS/cm	7.16 mg/L	0.70 NTU	126.4 mV	23.05 ft	450.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-9	@ 1325 9 bottles Nitrate/nitrite Alkalinity Anions Metals Dissolved metals TDSradium
ARK-AP3 FD-05	7 bottles

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/21/2024 12:48:21 PM
Project: Arkwright
Operator Name: J.Myer

Location Name: ARGWC-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.1 ft** **Total Depth: 38.4 ft** **Initial Depth to Water: 23.22 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 32.9 ft** **Estimated Total Volume Pumped: 14250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
MP-50 S/N: 22
ID: 103
PSI: 20
Turbidimeter S/N: 22990D000345
WL S/N: T11DF2106090ML
HS: 0.0 mg/L

Weather Conditions:
Sunny 83 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
8/21/2024 12:48 PM	00:00	6.26 pH	32.68 °C	113.86 µS/cm	4.60 mg/L	7.25 NTU	135.6 mV	23.35 ft	150.00 ml/min
8/21/2024 12:53 PM	05:00	6.00 pH	23.08 °C	112.06 µS/cm	4.33 mg/L	11.70 NTU	92.0 mV	23.35 ft	150.00 ml/min
8/21/2024 12:58 PM	10:00	6.01 pH	22.53 °C	112.26 µS/cm	4.14 mg/L	10.90 NTU	84.1 mV	23.35 ft	150.00 ml/min
8/21/2024 1:03 PM	15:00	6.03 pH	22.53 °C	111.87 µS/cm	3.99 mg/L	12.50 NTU	78.7 mV	23.35 ft	150.00 ml/min
8/21/2024 1:08 PM	20:00	6.02 pH	22.35 °C	111.29 µS/cm	3.95 mg/L	12.90 NTU	80.3 mV	23.35 ft	150.00 ml/min
8/21/2024 1:13 PM	25:00	6.02 pH	22.12 °C	110.51 µS/cm	3.87 mg/L	10.50 NTU	104.0 mV	23.35 ft	150.00 ml/min
8/21/2024 1:18 PM	30:00	5.99 pH	21.82 °C	110.54 µS/cm	3.88 mg/L	12.70 NTU	80.9 mV	23.35 ft	150.00 ml/min
8/21/2024 1:23 PM	35:00	6.00 pH	21.93 °C	110.00 µS/cm	3.88 mg/L	11.10 NTU	76.0 mV	23.35 ft	150.00 ml/min
8/21/2024 1:28 PM	40:00	5.99 pH	22.09 °C	109.59 µS/cm	3.84 mg/L	9.54 NTU	79.8 mV	23.35 ft	150.00 ml/min
8/21/2024 1:33 PM	45:00	5.99 pH	22.27 °C	109.09 µS/cm	3.78 mg/L	9.46 NTU	77.2 mV	23.35 ft	150.00 ml/min

8/21/2024 1:38 PM	50:00	5.98 pH	22.31 °C	109.50 µS/cm	3.85 mg/L	8.40 NTU	80.1 mV	23.35 ft	150.00 ml/min
8/21/2024 1:43 PM	55:00	5.97 pH	22.13 °C	108.90 µS/cm	3.83 mg/L	6.94 NTU	104.9 mV	23.35 ft	150.00 ml/min
8/21/2024 1:48 PM	01:00:00	5.95 pH	21.80 °C	108.16 µS/cm	3.83 mg/L	5.90 NTU	81.4 mV	23.35 ft	150.00 ml/min
8/21/2024 1:53 PM	01:05:00	5.96 pH	21.68 °C	108.05 µS/cm	3.86 mg/L	6.42 NTU	80.8 mV	23.35 ft	150.00 ml/min
8/21/2024 1:58 PM	01:10:00	5.96 pH	21.47 °C	108.46 µS/cm	3.86 mg/L	4.49 NTU	105.2 mV	23.35 ft	150.00 ml/min
8/21/2024 2:03 PM	01:15:00	5.96 pH	21.35 °C	108.00 µS/cm	3.84 mg/L	5.02 NTU	105.9 mV	23.35 ft	150.00 ml/min
8/21/2024 2:08 PM	01:20:00	5.97 pH	21.45 °C	107.54 µS/cm	3.82 mg/L	5.00 NTU	107.7 mV	23.35 ft	150.00 ml/min
8/21/2024 2:13 PM	01:25:00	5.96 pH	21.20 °C	106.88 µS/cm	3.80 mg/L	4.40 NTU	80.9 mV	23.35 ft	150.00 ml/min
8/21/2024 2:18 PM	01:30:00	5.96 pH	21.10 °C	106.51 µS/cm	3.79 mg/L	4.55 NTU	76.8 mV	23.35 ft	150.00 ml/min
8/21/2024 2:23 PM	01:35:00	5.96 pH	20.88 °C	107.65 µS/cm	3.82 mg/L	4.65 NTU	80.0 mV	23.35 ft	150.00 ml/min

Samples

Sample ID:	Description:
ARK-ARGWC-10	9 bottles filled at 1425 1 Dissolved Metals 1 Metals 1 Anions 1 Alkalinity 1 TDS 1 Nitrate/Nitrite 3 Ra-226/Ra-228
ARK-AP3-EB-05	7 bottles filled at 1455 1 Metals 1 Anions 1 TDS 1 Nitrate/Nitrite 3 Ra-226/Ra-228

Low-Flow Test Report:

Test Date / Time: 8/21/2024 10:48:36 AM
Project: Arkwright
Operator Name: Z Levy

Location Name: ARGWC-15 **Latitude: 32.928370353796524** **Longitude: -83.70462100029336** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.6 ft** **Total Depth: 43.9 ft** **Initial Depth to Water: 30.01 ft**	**Pump Type: Dedicated bladder pump** **Tubing Type: LDPE** **Pump Intake From TOC: 36.9 ft** **Estimated Total Volume Pumped: 2000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 1.84 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
HS: 0.0 mg/l
CPM:4
ID: 99
PSI: 20

Weather Conditions:
Clear 25 degrees Celsius

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.33	
8/21/2024 10:48 AM	00:00	6.39 pH	24.27 °C	238.46 µS/cm	5.54 mg/L	1.69 NTU	88.1 mV	30.98 ft	100.00 ml/min
8/21/2024 10:53 AM	05:00	6.24 pH	24.16 °C	224.91 µS/cm	4.46 mg/L	2.02 NTU	117.8 mV	31.26 ft	100.00 ml/min
8/21/2024 10:58 AM	10:00	6.21 pH	24.32 °C	218.02 µS/cm	4.27 mg/L	1.85 NTU	92.5 mV	31.47 ft	100.00 ml/min
8/21/2024 11:03 AM	15:00	6.27 pH	24.77 °C	217.23 µS/cm	4.22 mg/L	1.86 NTU	91.5 mV	31.65 ft	100.00 ml/min
8/21/2024 11:08 AM	20:00	6.26 pH	24.67 °C	216.65 µS/cm	4.13 mg/L	1.85 NTU	91.5 mV	31.85 ft	100.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-15	@ 1115 9 bottles Nitrate/nitrite Metals Dissolved metals Alkalinity Anions TDS Radium
ARK-AP3-FB-05	@ 1120 7 bottles

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/21/2024 10:59:01 AM
Project: Arkwright
Operator Name: J.Myer

Location Name: ARGWC-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24.5 ft** **Total Depth: 34.7 ft** **Initial Depth to Water: 21.65 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 29.4 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
MP-50 S/N: 22
ID: 103
PSI: 18
Turbidimeter S/N: 22990D000345
WL S/N: T11DF2106090ML
HS: 0.0 mg/L

Weather Conditions:
Sunny 78 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
8/21/2024 10:59 AM	00:00	6.32 pH	30.15 °C	746.67 µS/cm	2.80 mg/L	0.64 NTU	190.5 mV	21.70 ft	200.00 ml/min
8/21/2024 11:04 AM	05:00	5.26 pH	21.64 °C	783.12 µS/cm	1.22 mg/L	0.33 NTU	219.5 mV	21.70 ft	200.00 ml/min
8/21/2024 11:09 AM	10:00	5.25 pH	21.32 °C	784.72 µS/cm	0.94 mg/L	0.47 NTU	146.5 mV	21.70 ft	200.00 ml/min
8/21/2024 11:14 AM	15:00	5.24 pH	21.33 °C	785.11 µS/cm	0.91 mg/L	0.24 NTU	183.7 mV	21.70 ft	200.00 ml/min
8/21/2024 11:19 AM	20:00	5.24 pH	21.29 °C	783.56 µS/cm	0.87 mg/L	0.17 NTU	132.4 mV	21.70 ft	200.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-16	9 bottles filled at 1125 1 Dissolved Metals 1 Metals 1 Alkalinity 1 Anions 1 TDS 1 Nitrate/Nitrite 3 Ra-226/Ra-228
ARK-AP3-FD-04	7 bottles filled 1 Metals 1 Anions 1 TDS 1 Nitrate/Nitrite 3 Ra-226/Ra-228

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/21/2024 1:10:05 PM
Project: Arkwright
Operator Name: Dylan Quintal

Location Name: Arkwright, AP-3, ARGWC-17 **Latitude: 32.93288420858457** **Longitude: -83.71087493434398** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.8 ft** **Total Depth: 34.1 ft** **Initial Depth to Water: 22.99 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 28.8 ft** **Estimated Total Volume Pumped: 5250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 0.31 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
ID: 98
Pressure: 20 psi
Hydrogen sulfide: 0.0 mg/L

Weather Conditions:
Partly cloudy, 85F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/21/2024 1:10 PM	00:00	5.25 pH	21.83 °C	402.97 µS/cm	1.83 mg/L	16.40 NTU	192.9 mV	23.30 ft	175.00 ml/min
8/21/2024 1:15 PM	05:00	5.21 pH	21.68 °C	393.97 µS/cm	1.39 mg/L	11.50 NTU	232.8 mV	23.30 ft	175.00 ml/min
8/21/2024 1:20 PM	10:00	5.19 pH	21.51 °C	382.84 µS/cm	1.16 mg/L	7.43 NTU	190.3 mV	23.30 ft	175.00 ml/min
8/21/2024 1:25 PM	15:00	5.18 pH	21.39 °C	377.04 µS/cm	1.00 mg/L	4.84 NTU	189.9 mV	23.30 ft	175.00 ml/min
8/21/2024 1:30 PM	20:00	5.17 pH	21.53 °C	369.22 µS/cm	0.86 mg/L	3.50 NTU	188.1 mV	23.30 ft	175.00 ml/min
8/21/2024 1:35 PM	25:00	5.15 pH	21.55 °C	365.82 µS/cm	0.77 mg/L	2.75 NTU	187.4 mV	23.30 ft	175.00 ml/min
8/21/2024 1:40 PM	30:00	5.15 pH	21.66 °C	362.71 µS/cm	0.71 mg/L	2.60 NTU	186.0 mV	23.30 ft	175.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-17	9 bottles at 1345: Metals, field filtered dissolved metals, anions, TDS, alkalinity, nitrate/nitrite, radium.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/21/2024 10:57:47 AM
Project: Arkwright
Operator Name: J. Bankston

Location Name: ARGWC-18 **Latitude: 32.9257063933021** **Longitude: -83.70589816729107** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.1 ft** **Total Depth: 51.4 ft** **Initial Depth to Water: 30.51 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 45.6 ft** **Estimated Total Volume Pumped: 34296.5 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 210 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080306**

Test Notes:
MP-50 SN: 23
ID: 100
40 PSI
Heron dipper-T SN 11DF2206168HB
H2S: 0.0 mg/L

Weather Conditions:
Sunny 84F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
8/21/2024 10:57 AM	00:00	6.07 pH	21.63 °C	580.45 µS/cm	0.48 mg/L	20.30 NTU	38.7 mV	30.61 ft	210.00 ml/min
8/21/2024 11:02 AM	05:00	6.05 pH	21.58 °C	583.71 µS/cm	0.34 mg/L	18.30 NTU	44.6 mV	30.59 ft	210.00 ml/min
8/21/2024 11:07 AM	10:00	6.03 pH	21.63 °C	594.30 µS/cm	0.21 mg/L	20.80 NTU	44.6 mV	30.62 ft	210.00 ml/min
8/21/2024 11:12 AM	15:00	6.02 pH	21.84 °C	598.88 µS/cm	0.18 mg/L	15.60 NTU	45.9 mV	30.60 ft	210.00 ml/min
8/21/2024 11:17 AM	20:00	6.02 pH	21.64 °C	600.17 µS/cm	0.16 mg/L	14.00 NTU	46.2 mV	30.60 ft	210.00 ml/min
8/21/2024 11:20 AM	22:56	6.01 pH	21.73 °C	604.74 µS/cm	0.16 mg/L	19.50 NTU	47.5 mV	30.60 ft	210.00 ml/min
8/21/2024 11:26 AM	28:19	6.01 pH	21.79 °C	603.42 µS/cm	0.15 mg/L	12.60 NTU	48.9 mV	30.60 ft	210.00 ml/min
8/21/2024 11:31 AM	33:19	6.01 pH	21.64 °C	603.21 µS/cm	0.15 mg/L	12.00 NTU	51.0 mV	30.61 ft	210.00 ml/min
8/21/2024 11:36 AM	38:19	6.01 pH	21.86 °C	608.38 µS/cm	0.14 mg/L	11.70 NTU	47.2 mV	30.61 ft	210.00 ml/min
8/21/2024 11:41 AM	43:19	6.01 pH	21.76 °C	604.94 µS/cm	0.15 mg/L	9.63 NTU	51.8 mV	30.61 ft	210.00 ml/min

8/21/2024 11:46 AM	48:19	6.01 pH	21.71 °C	605.99 µS/cm	0.14 mg/L	8.98 NTU	47.6 mV	30.62 ft	210.00 ml/min
8/21/2024 11:51 AM	53:19	6.01 pH	21.89 °C	606.93 µS/cm	0.14 mg/L	8.28 NTU	47.0 mV	30.62 ft	210.00 ml/min
8/21/2024 11:56 AM	58:19	6.01 pH	21.85 °C	607.28 µS/cm	0.13 mg/L	8.10 NTU	51.8 mV	30.62 ft	210.00 ml/min
8/21/2024 12:01 PM	01:03:19	6.01 pH	21.88 °C	608.59 µS/cm	0.14 mg/L	8.62 NTU	52.4 mV	30.62 ft	210.00 ml/min
8/21/2024 12:06 PM	01:08:19	6.01 pH	21.73 °C	607.93 µS/cm	0.13 mg/L	8.09 NTU	48.1 mV	30.62 ft	210.00 ml/min
8/21/2024 12:11 PM	01:13:19	6.00 pH	21.72 °C	609.29 µS/cm	0.14 mg/L	7.74 NTU	53.6 mV	30.62 ft	210.00 ml/min
8/21/2024 12:16 PM	01:18:19	6.00 pH	21.98 °C	611.00 µS/cm	0.13 mg/L	7.55 NTU	49.1 mV	30.62 ft	210.00 ml/min
8/21/2024 12:21 PM	01:23:19	6.00 pH	21.87 °C	609.84 µS/cm	0.13 mg/L	7.33 NTU	48.8 mV	30.62 ft	210.00 ml/min
8/21/2024 12:26 PM	01:28:19	6.00 pH	22.05 °C	609.73 µS/cm	0.13 mg/L	6.25 NTU	48.4 mV	30.62 ft	210.00 ml/min
8/21/2024 12:31 PM	01:33:19	6.00 pH	21.96 °C	613.52 µS/cm	0.13 mg/L	5.92 NTU	48.3 mV	30.62 ft	210.00 ml/min
8/21/2024 12:36 PM	01:38:19	6.00 pH	22.05 °C	612.48 µS/cm	0.13 mg/L	6.33 NTU	49.1 mV	30.62 ft	210.00 ml/min
8/21/2024 12:41 PM	01:43:19	6.00 pH	22.08 °C	611.16 µS/cm	0.12 mg/L	6.21 NTU	49.1 mV	30.62 ft	210.00 ml/min
8/21/2024 12:46 PM	01:48:19	6.00 pH	21.97 °C	611.73 µS/cm	0.13 mg/L	5.67 NTU	48.9 mV	30.62 ft	210.00 ml/min
8/21/2024 12:51 PM	01:53:19	6.00 pH	21.99 °C	613.01 µS/cm	0.12 mg/L	5.70 NTU	49.1 mV	30.62 ft	210.00 ml/min
8/21/2024 12:56 PM	01:58:19	6.00 pH	22.06 °C	615.02 µS/cm	0.13 mg/L	5.16 NTU	49.3 mV	30.62 ft	210.00 ml/min
8/21/2024 1:01 PM	02:03:19	6.00 pH	22.24 °C	613.98 µS/cm	0.12 mg/L	5.52 NTU	49.5 mV	30.62 ft	210.00 ml/min
8/21/2024 1:06 PM	02:08:19	6.00 pH	22.33 °C	612.53 µS/cm	0.13 mg/L	5.51 NTU	49.6 mV	30.62 ft	210.00 ml/min
8/21/2024 1:11 PM	02:13:19	6.00 pH	22.29 °C	614.41 µS/cm	0.12 mg/L	5.76 NTU	49.5 mV	30.62 ft	210.00 ml/min
8/21/2024 1:16 PM	02:18:19	6.00 pH	22.24 °C	613.67 µS/cm	0.13 mg/L	5.23 NTU	49.3 mV	30.62 ft	210.00 ml/min
8/21/2024 1:21 PM	02:23:19	6.00 pH	22.33 °C	616.07 µS/cm	0.13 mg/L	5.24 NTU	49.4 mV	30.62 ft	210.00 ml/min
8/21/2024 1:26 PM	02:28:19	6.00 pH	22.21 °C	612.79 µS/cm	0.12 mg/L	5.90 NTU	49.5 mV	30.62 ft	210.00 ml/min
8/21/2024 1:31 PM	02:33:19	6.00 pH	22.12 °C	615.54 µS/cm	0.13 mg/L	4.65 NTU	49.1 mV	30.62 ft	210.00 ml/min
8/21/2024 1:36 PM	02:38:19	6.00 pH	22.38 °C	615.24 µS/cm	0.12 mg/L	4.09 NTU	49.5 mV	30.62 ft	210.00 ml/min
8/21/2024 1:41 PM	02:43:19	6.00 pH	22.34 °C	615.48 µS/cm	0.12 mg/L	4.35 NTU	49.6 mV	30.62 ft	210.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-18	Sample Time: 1345; 9 bottles: Metals, Anions, TDS, Radium, Alkalinity, Nitrate/Nitrite, Fe2+/Mn2+
ARK-AP3-EB-04	Sample Time: 1430; 7 bottles: Metals, Anions, TDS, Radium, Nitrate/Nitrite

Created using VuSitu from In-Situ, Inc.

Plant Arkwright AP-3 Surface Water Samples August 12, 2024

Sample ID*	Date	Time	Temp(°C)	pH	OPR (mV)	DO (mg/L)	Turbidity (NTU)	Conductance (mS/cm)	Coordinates
ARC-BT-1.6	8/12/2024	0905	28.2	6.83	20.3	4.75	108.3	0.119	32.932256,-83.710100
ARC-BT-1.1	8/12/2024	0936	27.2	7.21	73.4	4.73	3.59	0.127	32.926936, -83.704495
ARC-BT-1.2	8/12/2024	0928	25.3	6.75	55.6	2.87	5.04	0.111	32.927975, -83.705743
ARC-BT-1.3	8/12/2024	0918	25.4	6.63	21.6	2.68	98.6	0.137	32.929098, -83.706609
ARC-BT-1.0	8/12/2024	0944	27.9	7.33	98.4	3.47	3.74	0.085	32.925622,-83.704442
ARC-BC-0.8b	8/12/2024	1141	25.8	7.40	130.4	7.47	3.33	0.147	32.922678, -83.705282

Groundwater Level Measurement Form

Project Name: Southern Company Arkwright | **Page** 1 **of** 1

Plant Name: Plant Arkwright | **Date:** 2/3/2025 & 2/4/2025

Plant Address: 5001 Arkwright Road, Macon, GA 31210 | **Field Staff Names:** D. Abuan, J. Ashe, J. Bankston, M. Moore, A. Shoredits

Project Number: 175569434 | **Goal/Task:** Groundwater Investigation

Gauging Start Time 09:15 (2/3/2025) | **Gauging Finish Time** 09:19 (2/4/2025)

Well ID	Time	Depth to Groundwater (ft, BTOC)	Current Depth to Bottom (ft, BTOC)	Notes/Remarks
AP-3				
ARGWA-3	10:45	35.51	38.61	Dedicated pump
ARGWA-5	9:28	23.23	27.92	Dedicated pump
ARGWA-12	9:20	16.49	23.43	Dedicated pump
ARGWA-13	11:08	24.84	35.08	Dedicated pump
ARGWA-14	10:55	41.80	44.64	Dedicated pump
ARGWA-24	9:35	20.58	28.11	
ARGWC-15	11:08	30.02	33.70	Dedicated pump
ARGWC-16	08:05 (2/4/25)	21.19	26.15	Dedicated pump
ARGWC-17	10:38	23.52	24.57	Dedicated pump
ARGWC-18	10:18	29.19	43.09	Dedicated pump
ARAMW-3	10:10	25.66	68.88	
ARAMW-4	10:33	22.16	57.75	Dedicated pump
ARAMW-6	8:20 (2/4/25)	13.32	NM	
ARGWC-7	10:25	24.29	38.61	Dedicated pump
ARGWC-8	10:15	26.19	34.56	Dedicated pump
ARGWC-9	10:07	21.56	79.67	Dedicated pump
ARGWC-10	10:00	22.04	29.70	Dedicated pump
CCRLF-1	12:53	10.15	NM	
Stream Gauges				
AP3SG-01 (pond)	09:19 (2/4/25)	DRY	NA	Gauge above WL
AP3SG-02 (north canal)	09:15 (2/4/25)	0.48	NA	NA
AP3SG-03 (middle canal)	09:05 (2/4/25)	0.66	NA	NA
AP3SG-04 (south canal)	08:50 (2/4/25)	0.78	NA	NA

Sampler Signatures:

Low-Flow Test Report:

Test Date / Time: 2/5/2025 9:15:28 AM
Project: Arkwright
Operator Name: Jackson Bankston

Location Name: ARGWA-3 **Latitude: 32.8928737903379** **Longitude: -83.70061822318345** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.1 ft** **Total Depth: 42.3 ft** **Initial Depth to Water: 35.43 ft**	**Pump Type: Dedicated bladder pump** **Tubing Type: LDPE** **Pump Intake From TOC: 41.9 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.17 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
MP50 SN: 35
ID:104
PSI:30
Heron Dipper T SN: 24072
Turbidimeter SN: 23100D000373

Weather Conditions:
Sunny 14˚C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 9:15 AM	00:00	7.63 pH	16.37 °C	100.51 µS/cm	8.38 mg/L	2.69 NTU	180.1 mV	35.53 ft	250.00 ml/min
2/5/2025 9:20 AM	05:00	6.20 pH	18.45 °C	97.04 µS/cm	6.68 mg/L	2.97 NTU	184.0 mV	35.55 ft	250.00 ml/min
2/5/2025 9:25 AM	10:00	6.11 pH	18.65 °C	95.85 µS/cm	6.56 mg/L	3.14 NTU	209.8 mV	35.57 ft	250.00 ml/min
2/5/2025 9:30 AM	15:00	6.08 pH	18.75 °C	93.93 µS/cm	6.46 mg/L	3.98 NTU	209.8 mV	35.60 ft	250.00 ml/min
2/5/2025 9:35 AM	20:00	6.07 pH	18.75 °C	93.39 µS/cm	6.38 mg/L	3.04 NTU	208.7 mV	35.60 ft	250.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWA-3	0940 8 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity
ARK-AP1-EB-06	1000 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 11:49:32 AM
Project: Arkwright
Operator Name: Max Moore

Location Name: ARGWA-5 **Latitude: 32.93236602768561** **Longitude: -83.70832245473513** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.3 ft** **Total Depth: 32.8 ft** **Initial Depth to Water: 23.37 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 28 ft** **Estimated Total Volume Pumped: 7500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080306**

Test Notes:
Heron Dipper T S/N: 1080306
MP-50 S/N: T11FF2104059JH
ID:101
PSI:35
Hach 2100Q S/N: 22090D000235

Weather Conditions:
20°C Partially Cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10 %	+/- 0.3	
2/5/2025 11:49 AM	00:00	5.75 pH	19.20 °C	188.21 µS/cm	4.23 mg/L	3.23 NTU	113.9 mV	23.37 ft	300.00 ml/min
2/5/2025 11:54 AM	05:00	5.75 pH	19.09 °C	187.88 µS/cm	3.93 mg/L	3.80 NTU	74.6 mV	23.37 ft	300.00 ml/min
2/5/2025 11:59 AM	10:00	5.75 pH	19.13 °C	189.27 µS/cm	3.86 mg/L	1.77 NTU	63.3 mV	23.37 ft	300.00 ml/min
2/5/2025 12:04 PM	15:00	5.75 pH	19.12 °C	188.96 µS/cm	3.84 mg/L	1.62 NTU	50.0 mV	23.37 ft	300.00 ml/min
2/5/2025 12:09 PM	20:00	5.75 pH	19.14 °C	188.59 µS/cm	3.79 mg/L	1.48 NTU	43.1 mV	23.37 ft	300.00 ml/min
2/5/2025 12:14 PM	25:00	5.75 pH	19.18 °C	187.34 µS/cm	3.79 mg/L	1.55 NTU	34.7 mV	23.37 ft	300.00 ml/min

Samples

Sample ID:	Description:

AP2-ARGWA-5	8 bottle sets: @1215 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity
ARK-AP3-FB-05	6 bottle sets: @ 1245 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 9:55:17 AM
Project: Arkwright
Operator Name: Max Moore

Location Name: ARGWA-12 **Latitude: 32.93262832575054** **Longitude: -83.70967807016062** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.5 ft** **Total Depth: 33.8 ft** **Initial Depth to Water: 17.1 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 26.7 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080306**

Test Notes:
Heron Dipper T S/N: 1080306
MP-50 S/N: T11FF2104059JH
ID:99
PSI:20
Hach 2100Q S/N: 22090D000235

Weather Conditions:
17˚C Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10 %	+/- 0.3	
2/5/2025 9:55 AM	00:00	5.91 pH	17.99 °C	171.46 µS/cm	3.00 mg/L	6.34 NTU	138.5 mV	17.10 ft	200.00 ml/min
2/5/2025 10:00 AM	05:00	5.90 pH	17.99 °C	172.35 µS/cm	2.75 mg/L	6.14 NTU	149.1 mV	17.12 ft	200.00 ml/min
2/5/2025 10:05 AM	10:00	5.90 pH	18.06 °C	171.49 µS/cm	2.66 mg/L	4.55 NTU	109.8 mV	17.17 ft	200.00 ml/min
2/5/2025 10:10 AM	15:00	5.89 pH	18.12 °C	171.50 µS/cm	2.64 mg/L	4.38 NTU	104.5 mV	17.17 ft	200.00 ml/min
2/5/2025 10:15 AM	20:00	5.89 pH	18.20 °C	172.26 µS/cm	2.60 mg/L	4.23 NTU	102.1 mV	17.17 ft	200.00 ml/min
2/5/2025 10:20 AM	25:00	5.88 pH	18.29 °C	169.85 µS/cm	2.54 mg/L	5.02 NTU	100.8 mV	17.17 ft	200.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWA-12	8 bottle sets: @ 1025 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity
AP3-FD-06	6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 10:00:30 AM
Project: Arkwright
Operator Name: J. Ashe

Location Name: ARGWA-13 **Latitude: 32.92963623078148** **Longitude: -83.70597185167877** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.91 ft** **Total Depth: 44.21 ft** **Initial Depth to Water: 24.76 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 38.4 ft** **Estimated Total Volume Pumped: 6126.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.22 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Erroneous readings @ 10:32, 10:41, & 10:41 again; DNR turbidity. Paused sampling for Spec. Cond. calibration check
at 1031.
Hach SN: 23080D00159 Aqua Troll 400 SN: 1080297

Weather Conditions:
Cloudy, 17°C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 10:00 AM	00:00	6.00 pH	16.82 °C	1,372.6 µS/cm	2.92 mg/L	3.51 NTU	167.8 mV	24.76 ft	100.00 ml/min
2/5/2025 10:05 AM	05:00	5.93 pH	16.85 °C	1,035.0 µS/cm	2.77 mg/L	3.73 NTU	126.8 mV	24.98 ft	100.00 ml/min
2/5/2025 10:10 AM	10:00	5.92 pH	16.94 °C	919.61 µS/cm	3.31 mg/L	2.66 NTU	170.2 mV	24.98 ft	100.00 ml/min
2/5/2025 10:15 AM	15:00	5.90 pH	17.04 °C	879.76 µS/cm	3.29 mg/L	1.43 NTU	122.8 mV	24.98 ft	100.00 ml/min
2/5/2025 10:20 AM	20:00	5.89 pH	17.21 °C	847.06 µS/cm	3.23 mg/L	1.42 NTU	121.6 mV	24.98 ft	100.00 ml/min
2/5/2025 10:25 AM	25:00	5.88 pH	17.34 °C	813.71 µS/cm	3.19 mg/L	0.63 NTU	165.0 mV	24.98 ft	100.00 ml/min
2/5/2025 10:30 AM	30:00	5.87 pH	17.39 °C	799.47 µS/cm	3.17 mg/L	0.45 NTU	120.6 mV	24.98 ft	100.00 ml/min
2/5/2025 10:32 AM	32:19	5.87 pH	17.44 °C	798.86 µS/cm	3.20 mg/L		159.7 mV	24.98 ft	100.00 ml/min
2/5/2025 10:41 AM	40:55	5.62 pH	17.83 °C	761.78 µS/cm	7.26 mg/L		100.8 mV	24.98 ft	100.00 ml/min
2/5/2025 10:41 AM	41:16	5.71 pH	17.83 °C	768.12 µS/cm	5.09 mg/L		112.6 mV	24.98 ft	100.00 ml/min
2/5/2025 10:46 AM	46:16	5.84 pH	17.70 °C	751.23 µS/cm	3.33 mg/L	0.36 NTU	120.3 mV	24.98 ft	100.00 ml/min
2/5/2025 10:51 AM	51:16	5.85 pH	17.72 °C	749.99 µS/cm	3.39 mg/L	0.27 NTU	118.6 mV	24.98 ft	100.00 ml/min
2/5/2025 10:56 AM	56:16	5.85 pH	17.82 °C	745.87 µS/cm	3.40 mg/L	0.29 NTU	117.4 mV	24.98 ft	100.00 ml/min

2/5/2025 11:01 AM	01:01:16	5.85 pH	17.88 °C	741.76 µS/cm	3.45 mg/L	0.28 NTU	116.0 mV	24.98 ft	100.00 ml/min

Samples

Sample ID:	Description:
ARK-ARGWA-13	8 bottle sets collected @ 1105: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 9:54:46 AM
Project: Arkwright
Operator Name: D. Abuan

Location Name: ARGWA-14 **Latitude: 32.92990065853131** **Longitude: -83.70469528713804** **Well Diameter: 2 ft** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49 ft** **Total Depth: 59.3 ft** **Initial Depth to Water: 41.88 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 52.9 ft** **Estimated Total Volume Pumped: 3315 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 11.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080307**

Test Notes:
Aqua Troll 400
1080307
HACH
23060D000334
Water level drew down slow sample intake depth before stability was reached. Will need to be sampled after recharged.

Weather Conditions:
16°C partly cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 9:54 AM	00:00	7.09 pH	17.49 °C	499.65 µS/cm	7.47 mg/L	0.94 NTU	88.2 mV	42.86 ft	100.00 ml/min
2/5/2025 9:59 AM	05:00	6.80 pH	17.59 °C	518.77 µS/cm	6.69 mg/L	0.79 NTU	120.5 mV	43.92 ft	100.00 ml/min
2/5/2025 10:04 AM	10:00	6.75 pH	17.78 °C	504.92 µS/cm	7.09 mg/L	0.47 NTU	126.0 mV	44.72 ft	100.00 ml/min
2/5/2025 10:09 AM	15:00	6.71 pH	17.86 °C	453.69 µS/cm	7.13 mg/L	0.33 NTU	168.2 mV	45.60 ft	100.00 ml/min
2/5/2025 10:14 AM	20:00	6.65 pH	17.86 °C	391.81 µS/cm	7.14 mg/L	0.29 NTU	170.0 mV	46.62 ft	100.00 ml/min
2/5/2025 10:17 AM	23:09	6.58 pH	18.20 °C	338.49 µS/cm	7.00 mg/L	0.44 NTU	140.2 mV	47.42 ft	100.00 ml/min
2/5/2025 10:22 AM	28:09	6.48 pH	18.43 °C	269.75 µS/cm	6.69 mg/L	0.39 NTU	129.7 mV	48.95 ft	100.00 ml/min
2/5/2025 10:27 AM	33:09	6.63 pH	18.54 °C	399.87 µS/cm	6.35 mg/L	0.38 NTU	101.8 mV	53.00 ft	100.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

GROUNDWATER SAMPLING FORM

Project Name:	Southern Company Arkwright	**Initial Depth to Water (feet):**	46.10
Plant Name:	Plant Arkwright	**Total Depth of Well (feet):**	59.27
Plant Address:	5001 Arkwright Road, Macon, GA 31210	**Total Water Column (feet) / (L)*:**	13.17 / 32.54
Project Number:	175569434	**if water column is < 4.5 L contact Field Coordinator*	
Goal/Task:	Hydrogeological Investigation	**Pump Intake Depth (feet):**	52.90
Well ID:	ARGWA-14	**Method of Purging:**	Dedicated Bladder Pump
Well Type:	MW	**Measuring Point (toc, tor, etc.):**	TOC
Well Diameter (inches):	2.0	**Date:**	2/6/2025

Time	Depth to Water (ft btoc)	Flow Rate (mL/min)	Volume (L)*	Temp. (°C)	pH (SU)	Specific Conductance (µS/cm)	DO (mg/L)	DO (%)	ORP (mV)	Turbidity (NTU)	Color (visual)	Comments/Observations During Purging (sediment, odor, etc.)
Stabilization Criteria			*NA*	*NA*	*± 0.1*	*± 5%*	*< 0.5 mg/L or ± 10%*	*NA*	*NA*	*± 10% or < 5 NTU*	*NA*	
0745	45.73	100	0	17.4	6.77	457.11	10.22	103.1	182.4	1.23	clear	no odor
												Final Controller Settings
												Setting ID: 42
												Pressure (PSI): 35
Final Purge Values:												**Ambient Air (°C):** 14.1

Sample ID:	ARK-ARGWA-14	**QA/QC Sample Collected:**	No
Method of Sampling:	Low Flow	*Field Blank ID:*	NA
Sample Date:	2/6/2025	*Field Duplicate ID:*	NA
Collection Time:	7:45	*Equipment Blank ID:*	NA
Total Volume Purged (L):*	4.5		NA
Sample Depth (feet):	52.9	*DI water lot #:*	NA
Heavy Equipment in Area:	No	*Filter purged for minimum 500 mL:*	Yes
Analysis:	SCS	*Filter Lot #:*	NA
Tubing Lot #:	NA	*Filter Sample Metals:*	Yes
		Other Filtered Samples Collected:	NA
Stability Reached (Y/N):	No	*Sample on-Ice: Time:*	8:00
If No, Provide Explanation	Collect grab sample within 24 h of well evacuation	*Drawdown Stabilized < 0.3 ft:*	No

Top of Screen (ft. btoc):	49.0	**Bottom of Screen (ft. btoc):**	59.0
WL Meter Manufacturer:	Heron	**Model:** Dipper T	**Serial No:** NA
Controller Unit Manufacturer:	QED	**Model:** MP-50	**Serial No:** NA

Analytes:	Metals (total & dissolved)	Anions	Radium 226/ 228	Alkalinity	TDS
Method:	EPA Method 6020B/6010D; EPA Method 7470B	EPA 300.0 Rev 2.1 1993	EPA Method 9315/9320	EPA Method 300.0 R2.1	SM Method 2540C
Bottle Type:	Plastic	Plastic	Plastic	Plastic	Plastic
Volume (mL):	250	250	1000	250	500
No. of Bottles Collected:	2	1	3	1	1
Preservative:	HNO_3	Unpreserved	HNO_3	Unpreserved	Unpreserved

Sampler Name:	Devon Abuan	**Date:**	2/6/2025	**Signature:**	
DL/SME Review by:	Andreas Shoredits	**Date:**	2/6/2025	**Signature:**	

Low-Flow Test Report:

Test Date / Time: 2/5/2025 11:15:48 AM **Project:** Arkwright
Operator Name: D. Abuan

Location Name: ARGWA-24 **Latitude: 32.93232018812919** **Longitude: -83.7089383224508** **Well Diameter: 2 cm** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.9 ft** **Total Depth: 28.2 ft** **Initial Depth to Water: 20.69 ft**	**Pump Type: Peristaltic pump** **Tubing Type: LDPE** **Pump Intake From TOC: 23.8 ft** **Estimated Total Volume Pumped: 3400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 170 ml/min** **Final Draw Down: 0.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080307**

Test Notes:
Aqua Troll 400
1080307
HACH
23060D000334
Pump speed 30.7

Weather Conditions:
20°C sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 11:15 AM	00:00	5.75 pH	22.58 °C	154.19 µS/cm	0.67 mg/L	3.26 NTU	102.8 mV	20.78 ft	170.00 ml/min
2/5/2025 11:20 AM	05:00	5.74 pH	21.22 °C	152.75 µS/cm	0.67 mg/L	2.24 NTU	148.3 mV	20.78 ft	170.00 ml/min
2/5/2025 11:25 AM	10:00	5.74 pH	21.06 °C	151.66 µS/cm	0.70 mg/L	1.38 NTU	145.7 mV	20.79 ft	170.00 ml/min
2/5/2025 11:30 AM	15:00	5.73 pH	21.01 °C	150.20 µS/cm	0.69 mg/L	1.47 NTU	147.0 mV	20.78 ft	170.00 ml/min
2/5/2025 11:35 AM	20:00	5.73 pH	21.01 °C	149.07 µS/cm	0.76 mg/L	1.22 NTU	156.1 mV	20.78 ft	170.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWA-24	TIME 1140 8 bottles 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity
ARK-AP3-FB06	Time 1130 6 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 4:53:32 PM
Project: Arkwright
Operator Name: Jackson Bankston

Location Name: ARGWC-7 **Latitude: 32.92551555658266** **Longitude: -83.7046172730215** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.3 ft** **Total Depth: 48.6 ft** **Initial Depth to Water: 24.29 ft**	**Pump Type: Dedicated bladder pump** **Tubing Type: LDPE** **Pump Intake From TOC: 42.2 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
MP50 SN: 35
ID:104
PSI:30
Heron Dipper T SN: 24072
Turbidimeter SN: 23100D000373

Weather Conditions:
Party cloudy 20°C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 4:53 PM	00:00	6.01 pH	20.56 °C	153.94 µS/cm	5.18 mg/L	1.36 NTU	136.4 mV	24.33 ft	200.00 ml/min
2/5/2025 4:58 PM	05:00	5.84 pH	19.59 °C	156.59 µS/cm	4.56 mg/L	0.83 NTU	125.4 mV	24.33 ft	200.00 ml/min
2/5/2025 5:03 PM	10:00	5.83 pH	19.41 °C	156.94 µS/cm	4.50 mg/L	0.49 NTU	118.6 mV	24.34 ft	200.00 ml/min
2/5/2025 5:08 PM	15:00	5.83 pH	19.35 °C	156.84 µS/cm	4.37 mg/L	0.56 NTU	113.5 mV	24.34 ft	200.00 ml/min
2/5/2025 5:13 PM	20:00	5.83 pH	19.26 °C	157.17 µS/cm	4.33 mg/L	0.50 NTU	139.3 mV	24.34 ft	200.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-7	17:15 8 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 12:42:04 PM
Project: Arkwright
Operator Name: J. Ashe

Location Name: ARGWC-8 **Latitude: 32.925829882764255** **Longitude: -83.70715560399341** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.94 ft** **Total Depth: 43.24 ft** **Initial Depth to Water: 26.15 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 37.7 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.19 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:

Hach SN: 23080D00159 Aqua Troll 400 SN: 1080297

Weather Conditions:
Cloudy, 22°C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 12:42 PM	00:00	6.50 pH	21.82 °C	411.69 µS/cm	1.43 mg/L	1.80 NTU	60.8 mV	26.15 ft	400.00 ml/min
2/5/2025 12:47 PM	05:00	6.47 pH	20.88 °C	418.98 µS/cm	0.30 mg/L	4.57 NTU	63.3 mV	26.34 ft	400.00 ml/min
2/5/2025 12:52 PM	10:00	6.47 pH	21.13 °C	420.98 µS/cm	0.20 mg/L	4.04 NTU	57.6 mV	26.34 ft	400.00 ml/min
2/5/2025 12:57 PM	15:00	6.46 pH	20.93 °C	419.14 µS/cm	0.20 mg/L	3.98 NTU	54.6 mV	26.34 ft	400.00 ml/min
2/5/2025 1:02 PM	20:00	6.47 pH	20.58 °C	418.50 µS/cm	0.21 mg/L	2.89 NTU	53.0 mV	26.34 ft	400.00 ml/min
2/5/2025 1:07 PM	25:00	6.47 pH	20.46 °C	418.70 µS/cm	0.22 mg/L	2.51 NTU	66.0 mV	26.34 ft	400.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-8	8 bottle sets collected @ 1315: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity
ARK-AP3-FD-05	6 bottle sets collected @ 1345: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 1:25:55 PM
Project: Arkwright
Operator Name: Max Moore

Location Name: ARGWC-9 **Latitude: 32.92746942459789** **Longitude: -83.70804397299591** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 m** **Top of Screen: 28.4 ft** **Total Depth: 40.1 ft** **Initial Depth to Water: 21.7 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 32.6 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080306**

Test Notes:
Heron Dipper T S/N: 1080306
MP-50 S/N: T11FF2104059JH
ID:104
PSI:30
Hach 2100Q S/N: 22090D000235

Weather Conditions:
23°C Mostly Cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10 %	+/- 0.3	
2/5/2025 1:25 PM	00:00	5.98 pH	20.56 °C	76.46 µS/cm	7.44 mg/L	1.23 NTU	120.8 mV	21.70 ft	400.00 ml/min
2/5/2025 1:30 PM	05:00	5.98 pH	20.56 °C	76.31 µS/cm	7.41 mg/L	1.85 NTU	89.2 mV	21.70 ft	400.00 ml/min
2/5/2025 1:35 PM	10:00	5.97 pH	20.47 °C	76.94 µS/cm	7.43 mg/L	1.66 NTU	110.8 mV	21.81 ft	400.00 ml/min
2/5/2025 1:40 PM	15:00	5.97 pH	20.43 °C	77.02 µS/cm	7.42 mg/L	1.33 NTU	111.6 mV	21.81 ft	400.00 ml/min
2/5/2025 1:45 PM	20:00	5.97 pH	20.47 °C	77.11 µS/cm	7.42 mg/L	1.41 NTU	111.9 mV	21.81 ft	400.00 ml/min
2/5/2025 1:50 PM	25:00	5.97 pH	20.47 °C	77.13 µS/cm	7.42 mg/L	1.15 NTU	111.8 mV	21.81 ft	400.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-9	8 bottle sets: @1355 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 2:54:54 PM
Project: Arkwright
Operator Name: Max Moore

Location Name: ARGWC-10 **Latitude: 32.92828130799937** **Longitude: -83.7084070048349** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.1 ft** **Total Depth: 38.4 ft** **Initial Depth to Water: 21.96 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 26.7 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080306**

Test Notes:
Heron Dipper T S/N: 1080306
MP-50 S/N: T11FF2104059JH
ID:101
PSI:20
Hach 2100Q S/N: 22090D000235

Weather Conditions:
23°C Cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10 %	+/- 0.3	
2/5/2025 2:54 PM	00:00	5.96 pH	20.25 °C	112.99 µS/cm	4.84 mg/L	2.37 NTU	153.8 mV	21.96 ft	100.00 ml/min
2/5/2025 2:59 PM	05:00	5.94 pH	19.97 °C	113.05 µS/cm	4.45 mg/L	1.56 NTU	121.2 mV	21.89 ft	100.00 ml/min
2/5/2025 3:04 PM	10:00	5.94 pH	19.94 °C	112.80 µS/cm	4.37 mg/L	3.39 NTU	110.8 mV	21.89 ft	100.00 ml/min
2/5/2025 3:09 PM	15:00	5.95 pH	20.11 °C	113.01 µS/cm	4.31 mg/L	3.50 NTU	141.0 mV	22.00 ft	100.00 ml/min
2/5/2025 3:14 PM	20:00	5.95 pH	20.08 °C	112.06 µS/cm	4.28 mg/L	5.31 NTU	138.5 mV	22.03 ft	100.00 ml/min
2/5/2025 3:19 PM	25:00	5.95 pH	19.94 °C	112.08 µS/cm	4.28 mg/L	5.56 NTU	135.5 mV	22.03 ft	100.00 ml/min
2/5/2025 3:24 PM	30:00	5.96 pH	20.02 °C	111.66 µS/cm	4.26 mg/L	4.79 NTU	133.1 mV	22.03 ft	100.00 ml/min

Samples

Sample ID:	Description:
ARK-ARGWC-10	8 bottle sets: @ 1530 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 1:30:51 PM
Project: Arkwright
Operator Name: D. Abuan

Location Name: ARGWC-15 **Latitude: 32.92835455048068** **Longitude: -83.70452896648455** **Well Diameter: 2 ft** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.6 ft** **Total Depth: 43.9 ft** **Initial Depth to Water: 30.05 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 36.9 ft** **Estimated Total Volume Pumped: 2000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 3.65 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080307**

Test Notes:
Aqua Troll 400
1080307
HACH
23060D000334
Final 2 readings water level is below top of pump 33.7 ft. Not sampled 2/5/25 due to low water level

Weather Conditions:
23°C cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 1:30 PM	00:00	6.22 pH	21.77 °C	229.68 µS/cm	4.23 mg/L	1.34 NTU	149.5 mV	32.75 ft	100.00 ml/min
2/5/2025 1:35 PM	05:00	6.24 pH	20.03 °C	231.29 µS/cm	3.81 mg/L	1.02 NTU	123.6 mV	33.19 ft	100.00 ml/min
2/5/2025 1:40 PM	10:00	6.24 pH	19.96 °C	225.46 µS/cm	3.50 mg/L	1.01 NTU	116.1 mV	33.55 ft	100.00 ml/min
2/5/2025 1:45 PM	15:00	6.28 pH	19.94 °C	227.56 µS/cm	3.76 mg/L	1.17 NTU	130.3 mV	33.70 ft	100.00 ml/min
2/5/2025 1:50 PM	20:00	6.29 pH	19.84 °C	226.59 µS/cm	3.73 mg/L	3.94 NTU	89.6 mV	33.70 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/13/2025 12:27:46 PM
Project: Arkwright
Operator Name: Max Moore

Location Name: ARGWC-15 **Latitude: 32.92839218865429** **Longitude: -83.70453558870004** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33 ft** **Total Depth: 43 ft** **Initial Depth to Water: 31.64 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 38 ft** **Estimated Total Volume Pumped: 2703.333 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 1.75 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 952637**

Test Notes:
Heron Dipper T S/N: 1080306 MP-50 S/N: T11FF2104059JH ID: 98
PSI: 20
Hach 2100Q S/N: 22090D000235
During filling bottle set turbidity increased to > 10 NTU. Bottles for metals and anions were filled beforehand. Final measured turbidity after sampling was 26.2 NTU.

Weather Conditions:
17°C Cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/13/2025 12:27 PM	00:00	6.27 pH	17.65 °C	203.74 µS/cm	7.06 mg/L	3.82 NTU	126.2 mV	31.64 ft	100.00 ml/min
2/13/2025 12:32 PM	05:00	6.18 pH	17.77 °C	202.85 µS/cm	6.71 mg/L	1.15 NTU	110.8 mV	32.29 ft	100.00 ml/min
2/13/2025 12:37 PM	10:00	6.17 pH	17.94 °C	202.82 µS/cm	6.49 mg/L	1.89 NTU	106.6 mV	32.35 ft	100.00 ml/min
2/13/2025 12:42 PM	15:00	6.17 pH	17.90 °C	202.64 µS/cm	6.30 mg/L	1.97 NTU	102.9 mV	32.79 ft	100.00 ml/min
2/13/2025 12:47 PM	20:00	6.17 pH	17.90 °C	202.75 µS/cm	6.20 mg/L	1.96 NTU	101.0 mV	33.16 ft	100.00 ml/min
2/13/2025 12:52 PM	25:00	6.17 pH	17.99 °C	203.12 µS/cm	6.13 mg/L	1.65 NTU	99.1 mV	33.39 ft	100.00 ml/min
2/13/2025 12:54 PM	27:02	6.17 pH	17.98 °C	203.62 µS/cm	6.10 mg/L	1.65 NTU	103.4 mV	33.39 ft	100.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-15	8 bottle sets: @ 1255 2 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 2:28:07 PM
Project: Arkwright
Operator Name: D. Abuan

Location Name: ARGWC-16 **Latitude: 32.927833612921276** **Longitude: -83.70520052710411** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 43.1 ft** **Total Depth: 53.4 ft** **Initial Depth to Water: 21.27 ft**	**Pump Type:Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 47.7 ft** **Estimated Total Volume Pumped: 9080 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080307**

Test Notes:
Aqua Troll 400
1080307
HACH
23060D000334

Weather Conditions:
23°C Cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 2:28 PM	00:00	5.22 pH	22.98 °C	834.84 µS/cm	1.44 mg/L	1.24 NTU	197.6 mV	21.27 ft	300.00 ml/min
2/5/2025 2:33 PM	05:00	5.19 pH	21.41 °C	852.38 µS/cm	0.76 mg/L	1.21 NTU	203.4 mV	21.27 ft	300.00 ml/min
2/5/2025 2:38 PM	10:00	5.19 pH	21.06 °C	872.58 µS/cm	0.71 mg/L	0.43 NTU	154.0 mV	21.28 ft	300.00 ml/min
2/5/2025 2:43 PM	15:00	5.19 pH	20.86 °C	880.47 µS/cm	0.65 mg/L	0.24 NTU	141.8 mV	21.30 ft	300.00 ml/min
2/5/2025 2:48 PM	20:00	5.19 pH	20.70 °C	877.63 µS/cm	0.65 mg/L	0.23 NTU	138.7 mV	21.31 ft	300.00 ml/min
2/5/2025 2:53 PM	25:00	5.19 pH	20.71 °C	873.03 µS/cm	0.64 mg/L	0.15 NTU	164.1 mV	21.33 ft	300.00 ml/min
2/5/2025 2:56 PM	28:23	5.19 pH	20.66 °C	891.82 µS/cm	0.63 mg/L	0.15 NTU	145.2 mV	21.33 ft	300.00 ml/min
2/5/2025 2:58 PM	30:16	5.18 pH	20.65 °C	883.16 µS/cm	0.64 mg/L	0.14 NTU	145.6 mV	21.33 ft	300.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-16	TIME 1455 7 bottles 2 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals 1 x 250 mL (HNO3) - Metals, Dissolved

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 4:23:59 PM
Project: Arkwright
Operator Name: J. Ashe

Location Name: ARGWC-17
Latitude: 32.92839495468234
Longitude: -83.70576504625726
Well Diameter: 2 in
Casing Type: PVC
Screen Length: 10 ft
Top of Screen: 23.79 ft
Total Depth: 34.09 ft
Initial Depth to Water: 22.44 ft

Pump Type: Dedicated Bladder Pump
Tubing Type: LDPE
Pump Intake From TOC: 29 ft
Estimated Total Volume Pumped: 10500 ml
Flow Cell Volume: 90 ml
Final Flow Rate: 175 ml/min
Final Draw Down: 0.29 ft

Instrument Used: Aqua TROLL 400
Serial Number: 1080297

Test Notes:

Hach SN: 23080D00159 Aqua Troll 400 SN: 1080297

Weather Conditions:
Cloudy, 23°C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 4:23 PM	00:00	5.72 pH	23.38 °C	892.42 µS/cm	3.45 mg/L	112.00 NTU	88.2 mV	22.44 ft	175.00 ml/min
2/5/2025 4:28 PM	05:00	5.36 pH	20.47 °C	568.51 µS/cm	2.23 mg/L	133.00 NTU	100.5 mV	22.71 ft	175.00 ml/min
2/5/2025 4:33 PM	10:00	5.27 pH	20.37 °C	465.24 µS/cm	1.68 mg/L	70.80 NTU	138.0 mV	22.71 ft	175.00 ml/min
2/5/2025 4:38 PM	15:00	5.19 pH	20.16 °C	390.02 µS/cm	1.23 mg/L	35.20 NTU	140.6 mV	22.71 ft	175.00 ml/min
2/5/2025 4:43 PM	20:00	5.15 pH	20.17 °C	351.63 µS/cm	1.07 mg/L	23.10 NTU	99.2 mV	22.71 ft	175.00 ml/min
2/5/2025 4:48 PM	25:00	5.13 pH	20.14 °C	329.35 µS/cm	0.96 mg/L	12.70 NTU	93.0 mV	22.71 ft	175.00 ml/min
2/5/2025 4:53 PM	30:00	5.12 pH	19.88 °C	317.65 µS/cm	0.92 mg/L	7.57 NTU	89.1 mV	22.73 ft	175.00 ml/min
2/5/2025 4:58 PM	35:00	5.10 pH	19.93 °C	305.70 µS/cm	0.90 mg/L	6.92 NTU	87.8 mV	22.73 ft	175.00 ml/min
2/5/2025 5:03 PM	40:00	5.09 pH	19.71 °C	299.31 µS/cm	0.73 mg/L	3.34 NTU	85.3 mV	22.73 ft	175.00 ml/min
2/5/2025 5:08 PM	45:00	5.09 pH	19.58 °C	295.48 µS/cm	0.63 mg/L	1.76 NTU	82.9 mV	22.73 ft	175.00 ml/min
2/5/2025 5:13 PM	50:00	5.08 pH	19.52 °C	293.06 µS/cm	0.57 mg/L	1.40 NTU	81.3 mV	22.73 ft	175.00 ml/min
2/5/2025 5:18 PM	55:00	5.07 pH	19.48 °C	290.25 µS/cm	0.50 mg/L	1.12 NTU	80.3 mV	22.73 ft	175.00 ml/min
2/5/2025 5:23 PM	01:00:00	5.07 pH	19.45 °C	287.44 µS/cm	0.44 mg/L	1.24 NTU	78.9 mV	22.73 ft	175.00 ml/min

Samples

Sample ID:	Description:
ARK-ARGWC-17	8 bottle sets collected @1730: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/5/2025 11:29:16 AM
Project: Arkwright
Operator Name: Jackson Bankston

Location Name: ARGWC-18 **Latitude: 32.92572649198865** **Longitude: -83.70592094965625** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40.2 ft** **Total Depth: 50.64 ft** **Initial Depth to Water: 29.08 ft**	**Pump Type: Dedicated bladder pump** **Tubing Type: LDPE** **Pump Intake From TOC: 45.65 ft** **Estimated Total Volume Pumped: 25000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.28 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1082817**

Test Notes:
MP50 SN: 35
ID:104
PSI:30
Heron Dipper T SN: 24072
Turbidimeter SN: 23100D000373

Weather Conditions:
Sunny 20°C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 11:29 AM	00:00	6.52 pH	20.83 °C	471.81 µS/cm	3.56 mg/L	14.50 NTU	-48.4 mV	29.36 ft	100.00 ml/min
2/5/2025 11:34 AM	05:00	6.45 pH	20.69 °C	496.68 µS/cm	1.84 mg/L	7.46 NTU	-15.8 mV	29.36 ft	100.00 ml/min
2/5/2025 11:39 AM	10:00	6.11 pH	20.78 °C	638.74 µS/cm	1.44 mg/L	6.68 NTU	36.0 mV	29.36 ft	100.00 ml/min
2/5/2025 11:44 AM	15:00	6.09 pH	20.76 °C	640.56 µS/cm	1.30 mg/L	6.57 NTU	46.9 mV	29.36 ft	100.00 ml/min
2/5/2025 11:49 AM	20:00	6.08 pH	20.77 °C	641.20 µS/cm	1.25 mg/L	7.07 NTU	48.2 mV	29.36 ft	100.00 ml/min
2/5/2025 11:54 AM	25:00	6.07 pH	20.80 °C	658.09 µS/cm	0.99 mg/L	7.37 NTU	48.3 mV	29.36 ft	100.00 ml/min
2/5/2025 11:59 AM	30:00	6.07 pH	20.76 °C	652.69 µS/cm	1.10 mg/L	6.88 NTU	49.4 mV	29.36 ft	100.00 ml/min
2/5/2025 12:04 PM	35:00	6.07 pH	20.78 °C	654.00 µS/cm	1.02 mg/L	5.55 NTU	43.0 mV	29.36 ft	100.00 ml/min
2/5/2025 12:09 PM	40:00	6.06 pH	20.82 °C	658.30 µS/cm	0.88 mg/L	8.32 NTU	49.9 mV	29.36 ft	100.00 ml/min
2/5/2025 12:14 PM	45:00	6.06 pH	21.20 °C	650.66 µS/cm	0.74 mg/L	8.21 NTU	43.4 mV	29.36 ft	100.00 ml/min

2/5/2025 12:19 PM	50:00	6.06 pH	21.39 °C	651.41 µS/cm	0.74 mg/L	9.83 NTU	44.4 mV	29.36 ft	100.00 ml/min
2/5/2025 12:24 PM	55:00	6.06 pH	21.25 °C	652.73 µS/cm	1.05 mg/L	9.71 NTU	50.5 mV	29.36 ft	100.00 ml/min
2/5/2025 12:29 PM	01:00:00	6.05 pH	21.14 °C	650.21 µS/cm	1.03 mg/L	10.50 NTU	44.9 mV	29.36 ft	100.00 ml/min
2/5/2025 12:34 PM	01:05:00	6.05 pH	21.40 °C	658.37 µS/cm	1.01 mg/L	10.20 NTU	43.5 mV	29.36 ft	100.00 ml/min
2/5/2025 12:39 PM	01:10:00	6.05 pH	21.55 °C	650.47 µS/cm	1.02 mg/L	8.88 NTU	43.3 mV	29.36 ft	100.00 ml/min
2/5/2025 12:44 PM	01:15:00	6.05 pH	21.78 °C	656.63 µS/cm	0.92 mg/L	8.60 NTU	42.8 mV	29.36 ft	100.00 ml/min
2/5/2025 12:49 PM	01:20:00	6.05 pH	21.67 °C	656.70 µS/cm	0.87 mg/L	9.50 NTU	43.1 mV	29.36 ft	100.00 ml/min
2/5/2025 12:54 PM	01:25:00	6.05 pH	21.59 °C	657.09 µS/cm	0.94 mg/L	9.66 NTU	51.1 mV	29.36 ft	100.00 ml/min
2/5/2025 12:59 PM	01:30:00	6.05 pH	21.60 °C	650.06 µS/cm	0.99 mg/L	8.54 NTU	43.0 mV	29.36 ft	100.00 ml/min
2/5/2025 1:04 PM	01:35:00	6.05 pH	21.48 °C	653.23 µS/cm	0.80 mg/L	9.42 NTU	42.9 mV	29.36 ft	100.00 ml/min
2/5/2025 1:09 PM	01:40:00	6.05 pH	21.24 °C	660.45 µS/cm	0.80 mg/L	10.00 NTU	42.1 mV	29.36 ft	100.00 ml/min
2/5/2025 1:14 PM	01:45:00	6.05 pH	21.12 °C	657.02 µS/cm	0.69 mg/L	10.70 NTU	41.3 mV	29.36 ft	100.00 ml/min
2/5/2025 1:19 PM	01:50:00	6.05 pH	21.02 °C	662.85 µS/cm	0.81 mg/L	9.38 NTU	40.8 mV	29.36 ft	100.00 ml/min
2/5/2025 1:24 PM	01:55:00	6.05 pH	21.00 °C	658.82 µS/cm	0.85 mg/L	9.46 NTU	40.5 mV	29.36 ft	100.00 ml/min
2/5/2025 1:29 PM	02:00:00	6.05 pH	20.87 °C	658.95 µS/cm	0.76 mg/L	9.77 NTU	47.2 mV	29.36 ft	100.00 ml/min
2/5/2025 1:34 PM	02:05:00	6.05 pH	20.92 °C	657.88 µS/cm	0.44 mg/L	8.81 NTU	40.8 mV	29.36 ft	100.00 ml/min
2/5/2025 1:39 PM	02:10:00	6.05 pH	20.97 °C	657.64 µS/cm	0.32 mg/L	9.12 NTU	40.2 mV	29.36 ft	100.00 ml/min
2/5/2025 1:44 PM	02:15:00	6.05 pH	21.00 °C	659.63 µS/cm	0.26 mg/L	8.94 NTU	39.5 mV	29.36 ft	100.00 ml/min
2/5/2025 1:49 PM	02:20:00	6.05 pH	20.77 °C	651.47 µS/cm	0.28 mg/L	8.87 NTU	38.7 mV	29.36 ft	100.00 ml/min
2/5/2025 1:54 PM	02:25:00	6.05 pH	20.66 °C	647.26 µS/cm	0.27 mg/L	8.59 NTU	38.4 mV	29.36 ft	100.00 ml/min
2/5/2025 1:59 PM	02:30:00	6.05 pH	21.08 °C	650.00 µS/cm	0.25 mg/L	9.22 NTU	38.7 mV	29.36 ft	100.00 ml/min
2/5/2025 2:04 PM	02:35:00	6.05 pH	21.10 °C	646.97 µS/cm	0.26 mg/L	7.59 NTU	39.5 mV	29.36 ft	100.00 ml/min
2/5/2025 2:09 PM	02:40:00	6.05 pH	21.15 °C	645.35 µS/cm	0.29 mg/L	8.17 NTU	39.4 mV	29.36 ft	100.00 ml/min
2/5/2025 2:14 PM	02:45:00	6.04 pH	21.42 °C	646.72 µS/cm	0.29 mg/L	8.73 NTU	40.0 mV	29.36 ft	100.00 ml/min
2/5/2025 2:19 PM	02:50:00	6.05 pH	21.51 °C	647.85 µS/cm	0.33 mg/L	7.29 NTU	39.6 mV	29.36 ft	100.00 ml/min
2/5/2025 2:24 PM	02:55:00	6.04 pH	21.36 °C	644.61 µS/cm	0.29 mg/L	7.93 NTU	39.7 mV	29.36 ft	100.00 ml/min
2/5/2025 2:29 PM	03:00:00	6.04 pH	21.42 °C	646.13 µS/cm	0.27 mg/L	7.53 NTU	39.6 mV	29.36 ft	100.00 ml/min
2/5/2025 2:34 PM	03:05:00	6.04 pH	21.51 °C	644.60 µS/cm	0.27 mg/L	7.31 NTU	39.5 mV	29.36 ft	100.00 ml/min
2/5/2025 2:39 PM	03:10:00	6.04 pH	21.37 °C	644.56 µS/cm	0.26 mg/L	7.97 NTU	39.2 mV	29.36 ft	100.00 ml/min

2/5/2025 2:44 PM	03:15:00	6.04 pH	21.17 °C	640.55 µS/cm	0.25 mg/L	7.35 NTU	38.4 mV	29.36 ft	100.00 ml/min
2/5/2025 2:49 PM	03:20:00	6.05 pH	20.96 °C	637.37 µS/cm	0.27 mg/L	7.03 NTU	37.8 mV	29.36 ft	100.00 ml/min
2/5/2025 2:54 PM	03:25:00	6.05 pH	20.92 °C	637.51 µS/cm	0.23 mg/L	7.65 NTU	37.6 mV	29.36 ft	100.00 ml/min
2/5/2025 2:59 PM	03:30:00	6.05 pH	20.78 °C	640.51 µS/cm	0.23 mg/L	7.06 NTU	42.2 mV	29.36 ft	100.00 ml/min
2/5/2025 3:04 PM	03:35:00	6.05 pH	20.74 °C	646.22 µS/cm	0.24 mg/L	6.89 NTU	37.7 mV	29.36 ft	100.00 ml/min
2/5/2025 3:09 PM	03:40:00	6.05 pH	20.82 °C	650.45 µS/cm	0.25 mg/L	6.93 NTU	37.6 mV	29.36 ft	100.00 ml/min
2/5/2025 3:14 PM	03:45:00	6.05 pH	20.92 °C	661.09 µS/cm	0.23 mg/L	6.94 NTU	37.0 mV	29.36 ft	100.00 ml/min
2/5/2025 3:19 PM	03:50:00	6.05 pH	20.99 °C	658.59 µS/cm	0.21 mg/L	6.85 NTU	37.2 mV	29.36 ft	100.00 ml/min
2/5/2025 3:24 PM	03:55:00	6.04 pH	21.03 °C	658.79 µS/cm	0.24 mg/L	7.14 NTU	36.7 mV	29.36 ft	100.00 ml/min
2/5/2025 3:29 PM	04:00:00	6.05 pH	20.79 °C	655.71 µS/cm	0.22 mg/L	6.59 NTU	36.3 mV	29.36 ft	100.00 ml/min
2/5/2025 3:34 PM	04:05:00	6.05 pH	20.71 °C	653.65 µS/cm	0.22 mg/L	7.01 NTU	36.1 mV	29.36 ft	100.00 ml/min
2/5/2025 3:39 PM	04:10:00	6.04 pH	20.82 °C	649.97 µS/cm	0.21 mg/L	6.88 NTU	35.8 mV	29.36 ft	100.00 ml/min

Samples

Sample ID:	Description:
ARK-ARGWC-18	1545 8 bottle sets: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity

Low-Flow Test Report:

Test Date / Time: 2/5/2025 3:06:05 PM
Project: Arkwright
Operator Name: J. Ashe

Location Name: ARAMW-4 **Latitude: 32.92835288359538** **Longitude: -83.70575261782103** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 47.3 ft** **Total Depth: 57.3 ft** **Initial Depth to Water: 22.12 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 52 ft** **Estimated Total Volume Pumped: 7500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:

Hach SN: 23080D00159 Aqua Troll 400 SN: 1080297

Weather Conditions:
Cloudy, 23°C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
2/5/2025 3:06 PM	00:00	5.89 pH	28.59 °C	2,064.8 µS/cm	2.03 mg/L	4.56 NTU	95.4 mV	22.12 ft	300.00 ml/min
2/5/2025 3:11 PM	05:00	5.60 pH	21.01 °C	2,361.7 µS/cm	0.16 mg/L	1.34 NTU	55.6 mV	22.32 ft	300.00 ml/min
2/5/2025 3:16 PM	10:00	5.58 pH	20.56 °C	2,368.4 µS/cm	0.11 mg/L	1.35 NTU	48.1 mV	22.32 ft	300.00 ml/min
2/5/2025 3:21 PM	15:00	5.56 pH	20.69 °C	2,358.1 µS/cm	0.09 mg/L	1.37 NTU	45.8 mV	22.32 ft	300.00 ml/min
2/5/2025 3:26 PM	20:00	5.55 pH	20.60 °C	2,330.0 µS/cm	0.08 mg/L	1.68 NTU	44.4 mV	22.32 ft	300.00 ml/min
2/5/2025 3:31 PM	25:00	5.55 pH	20.28 °C	2,290.2 µS/cm	0.07 mg/L	0.79 NTU	41.5 mV	22.32 ft	300.00 ml/min

Samples

Sample ID:	Description:

ARK-ARAMW-4	8 bottle sets collected @ 1535: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals, Total 1 x 250 mL (HNO3) - Metals, Dissolved 1 x 250 mL (unpreserved) - Alkalinity
ARK-AP3-EB-05	6 bottle sets collected @ 1440: 3 x 1,000 mL (HNO3) - Radium 226/ 228 1 x 500 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions 1 x 250 mL (HNO3) - Metals

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/24/2025 12:34:18 PM
Project: Arkwright
Operator Name: Jackson Bankston

Location Name: ARGWC-17 **Latitude: 32.92842473852373** **Longitude: -83.70570890583376** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.8 ft** **Total Depth: 34.1 ft** **Initial Depth to Water: 21.85 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 28.8 ft** **Estimated Total Volume Pumped: 6750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.18 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080307**

Test Notes:
Test Notes: Peristaltic Pump SN: 738642; Heron Dipper T SN: 29053; Turbidimeter SN: 24990D000297; MP50 #26 ID :97; Pressure: 20 psi

Weather Conditions:
Cloudy 26C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
4/24/2025 12:34 PM	00:00	5.84 pH	22.63 °C	322.57 µS/cm	7.11 mg/L	16.10 NTU	121.6 mV	21.85 ft	150.00 ml/min
4/24/2025 12:39 PM	05:00	5.45 pH	21.36 °C	929.21 µS/cm	2.05 mg/L	51.90 NTU	105.6 mV	22.03 ft	150.00 ml/min
4/24/2025 12:44 PM	10:00	5.26 pH	21.34 °C	495.37 µS/cm	1.92 mg/L	42.70 NTU	115.6 mV	22.03 ft	150.00 ml/min
4/24/2025 12:49 PM	15:00	5.19 pH	21.75 °C	387.50 µS/cm	2.11 mg/L	26.20 NTU	121.1 mV	22.03 ft	150.00 ml/min
4/24/2025 12:54 PM	20:00	5.16 pH	21.93 °C	353.34 µS/cm	1.96 mg/L	14.70 NTU	120.2 mV	22.03 ft	150.00 ml/min
4/24/2025 12:59 PM	25:00	5.14 pH	22.22 °C	345.75 µS/cm	1.72 mg/L	9.50 NTU	116.6 mV	22.03 ft	150.00 ml/min
4/24/2025 1:04 PM	30:00	5.12 pH	22.43 °C	338.25 µS/cm	1.42 mg/L	5.69 NTU	112.9 mV	22.03 ft	150.00 ml/min
4/24/2025 1:09 PM	35:00	5.11 pH	22.63 °C	330.84 µS/cm	1.28 mg/L	5.23 NTU	111.1 mV	22.03 ft	150.00 ml/min
4/24/2025 1:14 PM	40:00	5.10 pH	22.70 °C	324.52 µS/cm	1.20 mg/L	4.30 NTU	108.6 mV	22.03 ft	150.00 ml/min
4/24/2025 1:19 PM	45:00	5.10 pH	22.76 °C	318.75 µS/cm	1.17 mg/L	3.36 NTU	107.2 mV	22.03 ft	150.00 ml/min

Samples

Sample ID:	Description:

ARK-ARGWC-17	Sample Time: 1325 3 Bottle Sets: 1 x 250 mL (HNO3) - Metals 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 6/12/2025 1:01:45 PM
Project: Arkwright
Operator Name: Jackson Bankston

Location Name: ARGWC-17 **Latitude: 32.92842473852373** **Longitude: -83.70570890583376** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.8 ft** **Total Depth: 34.1 ft** **Initial Depth to Water: 21.65 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: LDPE** **Pump Intake From TOC: 28.8 ft** **Estimated Total Volume Pumped: 4500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.19 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170065**

Test Notes:
Test Notes: Peristaltic Pump SN: 738642 Heron Dipper T SN: 29053 Turbidimeter SN: 24990D000297

Weather Conditions:
Sunny 26 C

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.3	
6/12/2025 1:01 PM	00:00	5.56 pH	28.55 °C	1,179.1 µS/cm	0.43 mg/L	103.00 NTU	108.3 mV	21.82 ft	150.00 ml/min
6/12/2025 1:06 PM	05:00	5.16 pH	25.66 °C	351.90 µS/cm	0.95 mg/L	49.00 NTU	155.5 mV	21.84 ft	150.00 ml/min
6/12/2025 1:11 PM	10:00	5.04 pH	25.17 °C	276.07 µS/cm	1.15 mg/L	11.80 NTU	134.4 mV	21.84 ft	150.00 ml/min
6/12/2025 1:16 PM	15:00	5.04 pH	25.19 °C	271.22 µS/cm	1.17 mg/L	7.89 NTU	134.4 mV	21.84 ft	150.00 ml/min
6/12/2025 1:21 PM	20:00	5.04 pH	25.32 °C	269.63 µS/cm	1.22 mg/L	6.10 NTU	135.0 mV	21.84 ft	150.00 ml/min
6/12/2025 1:26 PM	25:00	4.99 pH	25.15 °C	269.04 µS/cm	1.20 mg/L	6.23 NTU	140.0 mV	21.84 ft	150.00 ml/min
6/12/2025 1:31 PM	30:00	5.05 pH	25.37 °C	266.61 µS/cm	1.19 mg/L	4.28 NTU	138.6 mV	21.84 ft	150.00 ml/min

Samples

Sample ID:	Description:
ARK-ARGWC-17	Sample Time: 1335 3 Bottle Sets: 1 x 250 mL (HNO3) - Metals 1 x 250 mL (unpreserved) - TDS 1 x 250 mL (unpreserved) - Anions

Plant Arkwright AP-3 Surface Water Samples February 10-11, 2025

Sample ID	Date	Time	Temp(°C)	pH	OPR (mV)	DO (mg/L)	Turbidity (NTU)	Conductance (mS/cm)	Coordinates
ARK-BT-1.6	02/10/25	919	17.1	6.58	10.30	20.87	4.89	0.118	32.932256,-83.710100
ARK-BT-1.1	02/10/25	0951	16.7	7.07	63.70	23.62	4.29	0.169	32.926936, -83.704495
ARK-BT-1.2	02/10/25	0944	16.0	6.97	25.80	21.69	4.13	0.176	32.927975, -83.705743
ARK-BT-1.3	02/10/25	0936	16.1	6.94	47.30	16.58	3.18	0.178	32.929098, -83.706609
ARK-BT-1.0	02/10/25	0958	17.2	7.08	47.80	19.30	3.45	0.166	32.925622,-83.704442
ARK-BC-0.8b	02/10/25	1145	16.0	7.20	41.30	20.91	3.91	0.204	32.922678, -83.705282

C.2 Calibration Data

Field Instrumentation Calibration Form

Site Name: GPC Plant Arkwright

Date: 08/21/2024

Calibrated By: Jackson Bankston

Field Conditions: Sunny, 69F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1080306
Turbidity Meter	Hach 2100Q	22090D000235

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24005593	Dec-24	AIR
pH (SU)	4.00	24005593	Dec-24	AIR
pH (SU)	7.00	240004517	Dec-24	AIR
pH (SU)	10.00	24000085	Dec-24	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24006903	Dec-24	AIR

Calibration					
Time Start	**7:15**	**Time Finish**	**7:33**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,359	25.13	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	25.84	± 0.1	GWMP
pH (SU)	7.00	7.02	25.63	± 0.1	GWMP
pH (SU)	10.00	9.98	25.77	± 0.1	GWMP
D.O. (%)	N/A	99.82	23.06	± 10%	NA
ORP (mV)	228.0	234.2	22.66	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.3	± 10% of standard	EPA 2023
	100	101		
	800	813		
	10	9.58		

Calibration Check					
Time Start	**13:55**	**Time Finish**	**14:15**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,612.1	28.36	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	28.44	± 0.1	GWMP
pH (SU)	7.00	7.03	27.86	± 0.1	GWMP
pH (SU)	10.00	10.02	29.02	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.4	± 10% of standard	EPA 2023
	100	97.2		
	800	825		
	10	9.32		

Notes:

Completed by JB 08/21/2024

Checked by AS 08/23/2024

Field Instrumentation Calibration Form

Site Name: GPC Plant Arkwright

Date: 08/21/2024

Calibrated By: Dylan Quintal

Field Conditions: Clear, 71F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1080302
Turbidity Meter	Hach 2100Q	23060D000344

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24005593	Dec-24	AIR
pH (SU)	4.00	2405593	Dec-24	AIR
pH (SU)	7.00	24004517	Dec-24	AIR
pH (SU)	10.00	24000085	Dec-24	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24006903	Dec-24	AIR

Calibration					
Time Start	**07:20**	**Time Finish**	**07:40**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,490.4	26.25	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	26.14	± 0.1	GWMP
pH (SU)	7.00	7.07	25.69	± 0.1	GWMP
pH (SU)	10.00	10.03	26.05	± 0.1	GWMP
D.O. (%)	N/A	100.01	23.014	± 10%	NA
ORP (mV)	228.0	227.8	25.55	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.2	± 10% of standard	EPA 2023
	100	101		
	800	791		
	10	9.69		

Calibration Check					
Time Start	**14:50**	**Time Finish**	**15:00**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,369.1	28.17	± 10% of standard	EPA 2023
pH (SU)	4.00	4.2	28.17	± 0.1	GWMP
pH (SU)	7.00	7.15	28.03	± 0.1	GWMP
pH (SU)	10.00	10.02	28.01	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	99.2		
	800	787		
	10	9.25		

Notes:

Completed by DQ 08/21/2024

Checked by AS 08/23/2024

Field Instrumentation Calibration Form

Site Name: GPC Plant Arkwright

Date: 08/21/2024

Calibrated By: John Myer

Field Conditions: Sunny, 71F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1082817
Turbidity Meter	Hach 2100Q	22090D000345

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24005593	Dec-24	AIR
pH (SU)	4.00	24005593	Dec-24	AIR
pH (SU)	7.00	24004517	Dec-24	AIR
pH (SU)	10.00	24000085	Dec-24	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24006903	Dec-24	AIR

Calibration					
Time Start	**10:00**	**Time Finish**	**10:30**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,467	25.4	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	26.4	± 0.1	GWMP
pH (SU)	7.00	7.00	26.3	± 0.1	GWMP
pH (SU)	10.00	10.00	26.6	± 0.1	GWMP
D.O. (%)	N/A	100	26.9	± 10%	NA
ORP (mV)	228.0	227.7	27.6	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.4	± 10% of standard	EPA 2023
	100	100		
	800	808		
	10	9.9		

Calibration Check					
Time Start	**15:15**	**Time Finish**	**15:25**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,458	35.8	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	35.8	± 0.1	GWMP
pH (SU)	7.00	7.00	34.8	± 0.1	GWMP
pH (SU)	10.00	9.93	33.8	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	99.8		
	800	788		
	10	9.48		

Notes:

Completed by JM 08/21/2024

Checked by AS 08/23/2024

Field Instrumentation Calibration Form

Site Name: GPC Plant Arkwright

Date: 08/21/2024

Calibrated By: Z. Levy

Field Conditions: Clear, 69F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	24005593
Turbidity Meter	Hach 2100Q	23080D000159

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24005593	Dec-24	AIR
pH (SU)	4.00	24005593	Dec-24	AIR
pH (SU)	7.00	240045517	Dec-24	AIR
pH (SU)	10.00	24000085	Dec-24	AIR
D.O. (%)	N/A	--	--	--
ORP (mV)	228.0	24006903	Dec-24	AIR

Calibration					
Time Start	**6:51**	**Time Finish**	**7:10**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,431.2	26.06	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	26.36	± 0.1	GWMP
pH (SU)	7.00	7.04	26.18	± 0.1	GWMP
pH (SU)	10.00	10.01	26.09	± 0.1	GWMP
D.O. (%)	N/A	100.41	24.89	± 10%	NA
ORP (mV)	228.0	227.8	25.91	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	100		
	800	805		
	10	9.71		

Calibration Check					
Time Start	**14:20**	**Time Finish**	**14:29**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,216.4	29.27	± 10% of standard	EPA 2023
pH (SU)	4.00	3.98	29.27	± 0.1	GWMP
pH (SU)	7.00	7.05	27.83	± 0.1	GWMP
pH (SU)	10.00	10.06	27.67	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.3	± 10% of standard	EPA 2023
	20	20.3		
	100	99.5		
	800	779		

Notes:

Completed by ZL 08/21/2024

Checked by AS 08/23/2024

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_2/5/2025_

Calibrated By:_Devon Abuan_ Field Conditions:_11C Clear_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aqua Troll 400	1080307
Turbidity Meter	HACH	23060D000334

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	May-25	AIR
pH (SU)	4.00	24010943	May-25	AIR
pH (SU)	7.00	24008587	Jun-25	AIR
pH (SU)	10.00	24004996	Jun-25	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24011792	Jun-25	AIR

Calibration					
Time Start	**0535**	**Time Finish**	**0605**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4236.6	22.93	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	22.89	± 0.1	GWMP
pH (SU)	7.00	7.02	22.4	± 0.1	GWMP
pH (SU)	10.00	10.01	22.06	± 0.1	GWMP
D.O. (%)	N/A	99.47	21.72	± 10%	N/A
ORP (mV)	228.0	323.2	22.07	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20	± 10% of standard	EPA 2023
	100	99.8		
	800	809		
	10	9.66		

Calibration Check					
Time Start	**1220**	**Time Finish**	**1240**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4451.4	25.7	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	25.7	± 0.1	GWMP
pH (SU)	7.00	7.04	25.06	± 0.1	GWMP
pH (SU)	10.00	10.02	24.32	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20	± 10% of standard	EPA 2023
	100	99.4		
	800	792		
	10	9.62		

Notes:

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_2/5/2025_

Calibrated By:_Jacob Ashe_ Field Conditions:_Sunny, 12 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1080297
Turbidity Meter	Hach 2100Q	23080D000159

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	2410943	May-25	AIR
pH (SU)	4.00	2410943	May-25	AIR
pH (SU)	7.00	24008587	Jun-25	AIR
pH (SU)	10.00	24004996	Jun-25	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24011792	Jun-25	AIR

Calibration					
Time Start	**7:00**	**Time Finish**	**7:20**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (^{o}C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4499.3	18.56	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	18.78	± 0.1	GWMP
pH (SU)	7.00	7.03	19.39	± 0.1	GWMP
pH (SU)	10.00	10.7	19.36	± 0.1	GWMP
D.O. (%)	N/A	100.26	18.97	± 10%	N/A
ORP (mV)	228.0	235.4	19.4	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.3	± 10% of standard	EPA 2023
	20	19.1		
	100	100		
	800	796		

Calibration Check					
Time Start	**13:55**	**Time Finish**	**14:05**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (^{o}C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4438.4	23.27	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	23.27	± 0.1	GWMP
pH (SU)	7.00	7.04	23.14	± 0.1	GWMP
pH (SU)	10.00	9.99	22.63	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.4	± 10% of standard	EPA 2023
	20	20.6		
	100	99.9		
	800	789		

Notes:

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_2/5/2025_

Calibrated By:_Jackson Bankston_ Field Conditions:_Sunny, 12C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1082817
Turbidity Meter	Hach 2100Q	23100D000373

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	May-25	AIR
pH (SU)	4.00	24010943	May-25	AIR
pH (SU)	7.00	24008587	Jun-25	AIR
pH (SU)	10.00	24004996	Jun-25	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24011792	Jun-25	AIR

Calibration					
Time Start	**6:30**	**Time Finish**	**6:50**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4,467	23.25	± 10% of standard	EPA 2023
pH (SU)	4.00	3.97	23.25	± 0.1	GWMP
pH (SU)	7.00	6.98	24.42	± 0.1	GWMP
pH (SU)	10.00	9.99	24.27	± 0.1	GWMP
D.O. (%)	N/A	101.25	23.3	± 10%	N/A
ORP (mV)	228.0	224.6	23.26	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20	± 10% of standard	EPA 2023
	100	100		
	800	876		
	10	10.8		

Calibration Check					
Time Start	**17:30**	**Time Finish**	**17:45**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4517.82	23.62	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	22.61	± 0.1	GWMP
pH (SU)	7.00	7.08	23.06	± 0.1	GWMP
pH (SU)	10.00	10.02	23.44	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.7	± 10% of standard	EPA 2023
	100	111		
	800	840		
	10	10.1		

Notes:

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date: _2/5/25_

Calibrated By:_Max Moore_ Field Conditions:_Clear, 12C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 400	1080306
Turbidity Meter	Hach 2100Q	2209D000235

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	May-25	AIR
pH (SU)	4.00	24010943	May-25	AIR
pH (SU)	7.00	24008785	Jun-25	AIR
pH (SU)	10.00	24004996	Jun-25	AIR
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	228.0	24011792	1-Jun	AIR

Calibration					
Time Start	**6:50**	**Time Finish**	**7:10**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4500	21.34	± 10% of standard	EPA 2023
pH (SU)	4.00	3.96	21.34	± 0.1	GWMP
pH (SU)	7.00	7.05	21.45	± 0.1	GWMP
pH (SU)	10.00	10.04	21.39	± 0.1	GWMP
D.O. (%)	N/A	100.8	21.37	± 10%	NA
ORP (mV)	228.0	225.8	21.55	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.5	± 10% of standard	EPA 2023
	20	20.2		
	100	103		
	800	790		

Calibration Check					
Time Start	**14:20**	**Time Finish**	**14:30**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4554.8	22.23	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	22.23	± 0.1	GWMP
pH (SU)	7.00	7.05	23.03	± 0.1	GWMP
pH (SU)	10.00	10.06	22.73	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.1	± 10% of standard	EPA 2023
	20	20.9		
	100	98.1		
	800	810		

Notes:

Field Instrumentation Calibration Form

Site Name:___Plant Arkwright_____ Date: __2/13/2025_____

Calibrated By:____Max Moore_____ Field Conditions:____Overcast, 16C_____

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ Aquatroll 400	952637
Turbidity Meter	Hach 2100Q	1.50406E+11

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	25-May	AIR
pH (SU)	4.00	24010943	25-May	AIR
pH (SU)	7.00	24008587	25-Jun	AIR
pH (SU)	10.00	24004996	25-Jun	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	24011792	Jun-25	AIR

Calibration					
Time Start	**11:00**	**Time Finish**	**11:10**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4525.8	12.35	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	12.35	± 0.1	GWMP
pH (SU)	7.00	7.09	12.03	± 0.1	GWMP
pH (SU)	10.00	10.21	11.84	± 0.1	GWMP
D.O. (%)	N/A	100.53	16.00	± 10%	NA
ORP (mV)	228.0	236.6	11.99	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	22.1	± 10% of standard	EPA 2023
	100	101		
	800	802		
	10	10.2		

Calibration Check					
Time Start	**13:45**	**Time Finish**	**13:55**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4440	17.18	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	17.18	± 0.1	GWMP
pH (SU)	7.00	7	17.19	± 0.1	GWMP
pH (SU)	10.00	10.06	15.56	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	21.5	± 10% of standard	EPA 2023
	100	101		
	800	791		
	10	10.2		

Notes:

Field Instrumentation Calibration Form

Site Name:_Plant Arkwright_ Date:_4/24/2025_

Calibrated By:_Jackson Bankston_ Field Conditions:_Sunny, 27 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1080307
Turbidity Meter	Hach 2100Q	24090D00297

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	Jan-26	AIR
pH (SU)	4.00	24014218	Jan-26	AIR
pH (SU)	7.00	24014266	Jan-26	AIR
pH (SU)	10.00	24011537	Jan-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	22490162	Jan-26	AIR

Calibration					
Time Start	**08:25**	**Time Finish**	**09:00**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (^{o}C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4261.1	19.84	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	19.84	± 0.1	GWMP
pH (SU)	7.00	7.03	20.02	± 0.1	GWMP
pH (SU)	10.00	10.06	20.36	± 0.1	GWMP
D.O. (%)	N/A	100.76	20.88	± 10%	NA
ORP (mV)	228.0	221.9	19.67	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20	± 10% of standard	EPA 2023
	100	100		
	800	804		
	10	9.8		

Calibration Check					
Time Start	**19:00**	**Time Finish**	**19:30**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (^{o}C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4288.4	27.89	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	28.1	± 0.1	GWMP
pH (SU)	7.00	7.07	28.33	± 0.1	GWMP
pH (SU)	10.00	10.05	27.95	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	18.9	± 10% of standard	EPA 2023
	100	93.6		
	800	783		
	10	9.72		

Notes:

Field Instrumentation Calibration Form

Site Name:___Plant Arkwright__ Date: __6/12/2025__

Calibrated By:_Jackson Bankston__ Field Conditions:__Sunny, 25 C_

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ AquaTroll 400	1170065
Turbidity Meter	Hach 2100Q	24990D000297

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24014218	Jan-26	AIR
pH (SU)	4.00	24014218	Jan-26	AIR
pH (SU)	7.00	24014266	Jan-26	AIR
pH (SU)	10.00	24011537	Jan-26	AIR
D.O. (%)	N/A	N/A	N/A	AIR
ORP (mV)	228.0	22490162	Jan-26	AIR

Calibration					
Time Start	09:30	**Time Finish**	09:45		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4406.1	25.26	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	25.26	± 0.1	GWMP
pH (SU)	7.00	7.03	25.11	± 0.1	GWMP
pH (SU)	10.00	10	26.09	± 0.1	GWMP
D.O. (%)	N/A	102.6	25.43	± 10%	NA
ORP (mV)	228.0	225.5	25.46	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20	± 10% of standard	EPA 2023
	100	99.7		
	800	800		
	10	10.2		

Calibration Check					
Time Start	13:30	**Time Finish**	13:45		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4336	31.43	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	30.99	± 0.1	GWMP
pH (SU)	7.00	7.02	31.26	± 0.1	GWMP
pH (SU)	10.00	10.01	31.12	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.5	± 10% of standard	EPA 2023
	100	103		
	800	807		
	10	9.96		

Notes:

C.3 Groundwater and Surface Water Laboratory Analytical Reports

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 05, 2024

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance 175569434
Work Order: 682138

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 21, 2024. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
682138001	ARK-ARGWA-3	Ground Water	08/20/24 16:55	08/21/24 14:00
682138002	ARK-ARGWA-12	Ground Water	08/20/24 16:30	08/21/24 14:00
682138003	ARK-ARGWA-24	Ground Water	08/20/24 17:10	08/21/24 14:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
SW846 3005A	23-AUG-2024
SW846 7470A Prep	23-AUG-2024

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	23-AUG-2024
EPA 300.0	24-AUG-2024
EPA 353.2 Low Level	23-AUG-2024
SM 2320B	22-AUG-2024
SM 2540C	27-AUG-2024

SW846 3005A/6020B	01-SEP-2024
SW846 3005A/6020B	02-SEP-2024
SW846 7470A	26-AUG-2024

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4443.

Sincerely,

Alaina Pinnick

Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC001 Georgia Power Company

Client SDG: 682138 GEL Work Order: 682138

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N Metals--The Matrix spike sample recovery is not within specified control limits

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 5, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance175569434

Client Sample ID:	ARK-ARGWA-3	Project:	GPCC00100
Sample ID:	682138001	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	20-AUG-24 16:55		
Receive Date:	21-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.66	0.0670	0.200	mg/L		1	TXT1	08/23/24	1533	2661842	1
Fluoride	J	0.0574	0.0330	0.100	mg/L		1					
Sulfate		0.406	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1149	2661400	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	09/01/24	2115	2661558	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0172	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		6.01	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00320	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron		0.232	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		3.65	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00388	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.06	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	BAJ	09/02/24	1214	2661558	4
Sodium		7.53	0.0800	0.250	mg/L	1.00	1					
Aluminum		0.112	0.0193	0.0500	mg/L	1.00	1	BAJ	09/02/24	1046	2661558	5
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.297	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1154	2661629	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Certificate of Analysis

Report Date: September 5, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance175569434

Client Sample ID: ARK-ARGWA-3 Project: GPCC00100
Sample ID: 682138001 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		80.0	2.38	10.0	mg/L			KLP1	08/27/24	1058	2663138	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		43.4	0.725	2.00	mg/L			JW2	08/22/24	1125	2661203	8
Bicarbonate alkalinity (CaCO3)		43.4	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661398
SW846 3005A	ICP-MS 3005A PREP	BB2	08/23/24	1445	2661557

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	EPA 353.2 Low Level	
7	SM 2540C	
8	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 5, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance175569434

Client Sample ID:	ARK-ARGWA-12	Project:	GPCC00100
Sample ID:	682138002	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	20-AUG-24 16:30		
Receive Date:	21-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		10.6	0.134	0.400	mg/L		2	TXT1	08/24/24	0612	2661842	1
Fluoride	J	0.0426	0.0330	0.100	mg/L		1	TXT1	08/23/24	1707	2661842	2
Sulfate		5.98	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1151	2661400	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Boron	J	0.0106	0.00520	0.0150	mg/L	1.00	1	BAJ	09/02/24	1215	2661558	4
Sodium		12.0	0.0800	0.250	mg/L	1.00	1					
Aluminum		0.0608	0.0193	0.0500	mg/L	1.00	1	BAJ	09/01/24	2121	2661558	5
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0701	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		11.8	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000790	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0665	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00366	0.00300	0.0100	mg/L	1.00	1					
Magnesium		7.68	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00128	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000249	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.94	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.512	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1159	2661629	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Certificate of Analysis

Report Date: September 5, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance175569434

Client Sample ID: ARK-ARGWA-12 Project: GPCC00100
Sample ID: 682138002 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		120	2.38	10.0	mg/L			KLP1	08/27/24	1058	2663138	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		60.5	0.725	2.00	mg/L			JW2	08/22/24	1126	2661203	8
Bicarbonate alkalinity (CaCO3)		60.5	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/23/24	1445	2661557
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661398

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	EPA 353.2 Low Level	
7	SM 2540C	
8	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 5, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance175569434

Client Sample ID:	ARK-ARGWA-24	Project:	GPCC00100
Sample ID:	682138003	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	20-AUG-24 17:10		
Receive Date:	21-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		8.27	0.0670	0.200	mg/L		1	TXT1	08/23/24	1739	2661842	1
Fluoride	J	0.0399	0.0330	0.100	mg/L		1					
Sulfate		5.37	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1152	2661400	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Aluminum	J	0.0280	0.0193	0.0500	mg/L	1.00	1	BAJ	09/01/24	2127	2661558	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0344	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		9.12	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0467	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		5.80	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00264	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		0.764	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	J	0.00663	0.00520	0.0150	mg/L	1.00	1	BAJ	09/02/24	1216	2661558	4
Sodium		11.9	0.0800	0.250	mg/L	1.00	1					
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.326	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1200	2661629	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Certificate of Analysis

Report Date: September 5, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance175569434

Client Sample ID: ARK-ARGWA-24 Project: GPCC00100
Sample ID: 682138003 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		95.0	2.38	10.0	mg/L			KLP1	08/27/24	1058	2663138	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		52.3	0.725	2.00	mg/L			JW2	08/22/24	1127	2661203	7
Bicarbonate alkalinity (CaCO3)		52.3	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661398
SW846 3005A	ICP-MS 3005A PREP	BB2	08/23/24	1445	2661557

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	EPA 353.2 Low Level	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: September 5, 2024

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **682138**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2661842										
QC1205832634 682138001 DUP										
Chloride		2.66		2.69	mg/L	1.03		(0%-20%)	TXT1	08/23/24 16:05
Fluoride	J	0.0574	J	0.0627	mg/L	8.83	^	(+/-0.100)		
Sulfate		0.406		0.407	mg/L	0.197	^	(+/-0.400)		
QC1205832636 682329008 DUP										
Chloride		5.71		5.75	mg/L	0.591		(0%-20%)		08/23/24 23:24
Fluoride	U	ND	U	ND	mg/L	N/A				
Sulfate		350		361	mg/L	3.12		(0%-20%)		08/24/24 14:11
QC1205832633 LCS										
Chloride	5.00			4.68	mg/L		93.5	(90%-110%)		08/23/24 15:02
Fluoride	2.50			2.40	mg/L		95.9	(90%-110%)		
Sulfate	10.0			9.42	mg/L		94.2	(90%-110%)		
QC1205832632 MB										
Chloride			U	ND	mg/L					08/23/24 14:31
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					

QC Summary

Workorder: **682138**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2661842											
QC1205832635 682138001 PS											
Chloride	5.00		2.66		7.58	mg/L		98.5	(90%-110%)	TXT1	08/23/24 16:36
Fluoride	2.50	J	0.0574		2.60	mg/L		102	(90%-110%)		
Sulfate	10.0		0.406		9.50	mg/L		90.9	(90%-110%)		
QC1205832637 682329008 PS											
Chloride	5.00		5.71		11.1	mg/L		108	(90%-110%)		08/23/24 23:55
Fluoride	2.50	U	ND		2.60	mg/L		103	(90%-110%)		
Sulfate	10.0		6.99		16.7	mg/L		97.3	(90%-110%)		08/24/24 14:43
Metals Analysis - ICPMS											
Batch 2661558											
QC1205831918 LCS											
Aluminum	2.00				1.93	mg/L		96.4	(80%-120%)	BAJ	09/01/24 19:37
Antimony	0.0500				0.0499	mg/L		99.7	(80%-120%)		
Arsenic	0.0500				0.0493	mg/L		98.6	(80%-120%)		
Barium	0.0500				0.0489	mg/L		97.9	(80%-120%)		
Beryllium	0.0500				0.0485	mg/L		97	(80%-120%)		
Boron	0.100				0.0952	mg/L		95.2	(80%-120%)		09/02/24 12:10
Cadmium	0.0500				0.0490	mg/L		98.1	(80%-120%)		09/01/24 19:37

QC Summary

Workorder: **682138**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2661558										
Calcium	2.00			2.08	mg/L		104	(80%-120%)	BAJ	09/01/24 19:37
Chromium	0.0500			0.0502	mg/L		100	(80%-120%)		
Cobalt	0.0500			0.0494	mg/L		98.9	(80%-120%)		
Iron	2.00			2.00	mg/L		100	(80%-120%)		
Lead	0.0500			0.0489	mg/L		97.9	(80%-120%)		
Lithium	0.0500			0.0491	mg/L		98.2	(80%-120%)		
Magnesium	2.00			2.03	mg/L		101	(80%-120%)		
Manganese	0.0500			0.0500	mg/L		100	(80%-120%)		
Molybdenum	0.0500			0.0477	mg/L		95.3	(80%-120%)		
Potassium	2.00			2.03	mg/L		101	(80%-120%)		
Selenium	0.0500			0.0503	mg/L		101	(80%-120%)		
Silver	0.0500			0.0492	mg/L		98.4	(80%-120%)		
Sodium	2.00			2.05	mg/L		103	(80%-120%)		09/02/24 12:10
Thallium	0.0500			0.0466	mg/L		93.1	(80%-120%)		09/01/24 19:37

QC Summary

Workorder: **682138**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2661558										
QC1205831917 MB										
Aluminum			U	ND	mg/L				BAJ	09/01/24 19:34
Antimony			U	ND	mg/L					
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					09/02/24 12:09
Cadmium			U	ND	mg/L					09/01/24 19:34
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					

QC Summary

Workorder: **682138**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2661558											
Manganese				U	ND	mg/L				BAJ	09/01/24 19:34
Molybdenum				U	ND	mg/L					
Potassium				U	ND	mg/L					
Selenium				U	ND	mg/L					
Silver				U	ND	mg/L					
Sodium				U	ND	mg/L					09/02/24 12:09
Thallium				U	ND	mg/L					09/01/24 19:34
QC1205831919 682055001 MS											
Aluminum	2.00		4.99		8.53	mg/L		177*	(75%-125%)		09/01/24 19:48
Antimony	0.0500	U	ND		0.0553	mg/L		110	(75%-125%)		
Arsenic	0.0500	J	0.00287		0.0589	mg/L		112	(75%-125%)		
Barium	0.0500		0.201		0.266	mg/L		N/A	(75%-125%)		
Beryllium	0.0500	U	ND		0.0490	mg/L		97.7	(75%-125%)		
Boron	0.100		10.5		11.6	mg/L		N/A	(75%-125%)		09/02/24 12:27
Cadmium	0.0500	U	ND		0.0501	mg/L		100	(75%-125%)		09/01/24 19:48

QC Summary

Workorder: **682138**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2661558												
Calcium	2.00		3.36		5.64	mg/L		114	(75%-125%)	BAJ	09/01/24	19:48
Chromium	0.0500		0.0123		0.0647	mg/L		105	(75%-125%)			
Cobalt	0.0500		0.00150		0.0507	mg/L		98.4	(75%-125%)			
Iron	2.00		1.85		3.97	mg/L		106	(75%-125%)			
Lead	0.0500	J	0.000838		0.0482	mg/L		94.6	(75%-125%)			
Lithium	0.0500	U	ND		0.0535	mg/L		106	(75%-125%)			
Magnesium	2.00		0.618		2.66	mg/L		102	(75%-125%)			
Manganese	0.0500		0.0122		0.0613	mg/L		98.3	(75%-125%)			
Molybdenum	0.0500	J	0.000468		0.0570	mg/L		113	(75%-125%)			
Potassium	2.00		10.6		13.5	mg/L		N/A	(75%-125%)			
Selenium	0.0500		0.00709		0.0593	mg/L		104	(75%-125%)			
Silver	0.0500	U	ND		0.0483	mg/L		96.4	(75%-125%)			
Sodium	2.00		525		570	mg/L		N/A	(75%-125%)		09/02/24	12:27
Thallium	0.0500	U	ND		0.0467	mg/L		93.2	(75%-125%)		09/01/24	19:48

QC Summary

Workorder: **682138**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2661558												
QC1205831920 682055001 MSD												
Aluminum	2.00		4.99		7.70	mg/L	10.3	135*	(0%-20%)	BAJ	09/01/24	19:51
Antimony	0.0500	U	ND		0.0500	mg/L	9.99	99.4	(0%-20%)			
Arsenic	0.0500	J	0.00287		0.0537	mg/L	9.12	102	(0%-20%)			
Barium	0.0500		0.201		0.234	mg/L	12.6	N/A	(0%-20%)			
Beryllium	0.0500	U	ND		0.0456	mg/L	7.13	91	(0%-20%)			
Boron	0.100		10.5		10.7	mg/L	8.41	N/A	(0%-20%)		09/02/24	12:28
Cadmium	0.0500	U	ND		0.0455	mg/L	9.5	90.9	(0%-20%)		09/01/24	19:51
Calcium	2.00		3.36		5.16	mg/L	8.89	89.8	(0%-20%)			
Chromium	0.0500		0.0123		0.0587	mg/L	9.64	92.8	(0%-20%)			
Cobalt	0.0500		0.00150		0.0465	mg/L	8.71	90	(0%-20%)			
Iron	2.00		1.85		3.64	mg/L	8.58	89.8	(0%-20%)			
Lead	0.0500	J	0.000838		0.0436	mg/L	10	85.4	(0%-20%)			
Lithium	0.0500	U	ND		0.0497	mg/L	7.29	98.8	(0%-20%)			
Magnesium	2.00		0.618		2.43	mg/L	8.91	90.8	(0%-20%)			

QC Summary

Workorder: **682138**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2661558											
Manganese	0.0500		0.0122		0.0565	mg/L	8.26	88.5	(0%-20%)	BAJ	09/01/24 19:51
Molybdenum	0.0500	J	0.000468		0.0513	mg/L	10.5	102	(0%-20%)		
Potassium	2.00		10.6		12.1	mg/L	10.8	N/A	(0%-20%)		
Selenium	0.0500		0.00709		0.0531	mg/L	11	92.1	(0%-20%)		
Silver	0.0500	U	ND		0.0440	mg/L	9.19	88	(0%-20%)		
Sodium	2.00		525		527	mg/L	7.92	N/A	(0%-20%)		09/02/24 12:28
Thallium	0.0500	U	ND		0.0422	mg/L	9.97	84.4	(0%-20%)		09/01/24 19:51
QC1205842018 682055001 PS											
Aluminum	2000		4990		6600	ug/L		80.4	(75%-125%)		09/01/24 19:54
QC1205831921 682055001 SDILT											
Aluminum			4990		1040	ug/L	4.14		(0%-20%)		09/01/24 19:57
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Arsenic		J	2.87	U	ND	ug/L	N/A		(0%-20%)		
Barium			201		40.3	ug/L	.0164		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Boron			105		22.8	ug/L	8.7		(0%-20%)		09/02/24 12:29

QC Summary

Workorder: **682138**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch 2661558											
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)	BAJ	09/01/24	19:57
Calcium		3360		664	ug/L	1.26		(0%-20%)			
Chromium		12.3	U	ND	ug/L	N/A		(0%-20%)			
Cobalt		1.50	J	0.317	ug/L	5.53		(0%-20%)			
Iron		1850		383	ug/L	3.85		(0%-20%)			
Lead	J	0.838	U	ND	ug/L	N/A		(0%-20%)			
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)			
Magnesium		618		129	ug/L	4.64		(0%-20%)			
Manganese		12.2	J	2.41	ug/L	1.4		(0%-20%)			
Molybdenum	J	0.468	U	ND	ug/L	N/A		(0%-20%)			
Potassium		10600		2230	ug/L	5.57		(0%-20%)			
Selenium		7.09	J	1.52	ug/L	7.27		(0%-20%)			
Silver	U	ND	U	ND	ug/L	N/A		(0%-20%)			
Sodium		5250		1150	ug/L	9.33		(0%-20%)		09/02/24	12:29

QC Summary

Workorder: **682138**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2661558										
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)	BAJ	09/01/24 19:57
Metals Analysis-Mercury										
Batch 2661400										
QC1205831549 681947004 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	08/26/24 11:18
QC1205831548 LCS										
Mercury	0.00200			0.00209	mg/L		104	(80%-120%)		08/26/24 11:10
QC1205831547 MB										
Mercury			U	ND	mg/L					08/26/24 11:08
QC1205831550 681947004 MS										
Mercury	0.00200	U	ND	0.00212	mg/L		106	(75%-125%)		08/26/24 11:20
QC1205831551 681947004 SDILT										
Mercury	U	ND	U	ND	ug/L	N/A		(0%-10%)		08/26/24 11:21
Nutrient Analysis										
Batch 2661629										
QC1205832104 682138001 DUP										
Nitrogen, Nitrate/Nitrite		0.297		0.297	mg/L	0		(0%-20%)	JLD1	08/23/24 11:56
QC1205832106 682329008 DUP										
Nitrogen, Nitrate/Nitrite		0.549		0.550	mg/L	0.182		(0%-20%)		08/23/24 12:23
QC1205832103 LCS										
Nitrogen, Nitrate/Nitrite	1.00			1.01	mg/L		101	(90%-110%)		08/23/24 11:53
QC1205832102 MB										
Nitrogen, Nitrate/Nitrite			U	ND	mg/L					08/23/24 11:51

QC Summary

Workorder: **682138**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Nutrient Analysis										
Batch 2661629										
QC1205832105 682138001 PS										
Nitrogen, Nitrate/Nitrite	1.00	0.297		1.29	mg/L		99.4	(90%-110%)	JLD1	08/23/24 11:57
QC1205832107 682329008 PS										
Nitrogen, Nitrate/Nitrite	1.00	0.549		1.57	mg/L		102	(90%-110%)		08/23/24 12:24
Solids Analysis										
Batch 2663138										
QC1205835765 681869001 DUP										
Total Dissolved Solids		11000		10600	mg/L	3.42		(0%-5%)	KLP1	08/27/24 10:58
QC1205835764 LCS										
Total Dissolved Solids	300			296	mg/L		98.7	(95%-105%)		08/27/24 10:58
QC1205835763 MB										
Total Dissolved Solids			U	ND	mg/L					08/27/24 10:58
Titration and Ion Analysis										
Batch 2661203										
QC1205831115 LCS										
Alkalinity, Total as CaCO3	50.0			52.9	mg/L		106	(90%-110%)	JW2	08/22/24 11:01
QC1205831120 LCS										
Alkalinity, Total as CaCO3	15.0			14.5	mg/L		96.7	(90%-110%)		08/22/24 11:03
QC1205831121 LCSD										
Alkalinity, Total as CaCO3	50.0			53.3	mg/L	0.753	107	(0%-20%)		08/22/24 11:02
QC1205831122 LCSD										
Alkalinity, Total as CaCO3	15.0			14.9	mg/L	2.72	99.3	(0%-20%)		08/22/24 11:04

Notes:

The Qualifiers in this report are defined as follows:

QC Summary

Workorder: **682138**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
J	See case narrative for an explanation

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 36
Analytical Batch: 2661558

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2661557

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682138001	ARK-ARGWA-3
682138002	ARK-ARGWA-12
682138003	ARK-ARGWA-24
1205831917	Method Blank (MB)**ICP-MS**
1205831918	Laboratory Control Sample (LCS)
1205831921	682055001(NonSDGL) Serial Dilution (SD)
1205831919	682055001(NonSDGS) Matrix Spike (MS)
1205831920	682055001(NonSDGSD) Matrix Spike Duplicate (MSD)
1205842018	682055001(NonSDGPS) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Quality Control (QC) Information

Matrix Spike (MS/MSD) Recovery Statement
The percent recoveries (%R) obtained from the MS/MSD analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The MS/MSD (See Below) did not meet the recommended quality control acceptance criteria for percent recoveries for the following applicable analytes. The post spike recoveries were within the required control limits. This verifies the absence of a matrix interference in the post-spike digested sample. The recoveries may be attributed to possible sample matrix interference and/or non-homogeneity.

Sample	Analyte	Value
1205831919 (Non SDG 682055001MS)	Aluminum	177* (75%-125%)

1205831920 (Non SDG 682055001MSD)	Aluminum	135* (75%-125%)

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 40
Analytical Batch: 2661400

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 40
Preparation Batch: 2661398

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682138001	ARK-ARGWA-3
682138002	ARK-ARGWA-12
682138003	ARK-ARGWA-24
1205831547	Method Blank (MB)**CVAA**
1205831548	Laboratory Control Sample (LCS)
1205831551	681947004(NonSDGL) Serial Dilution (SD)
1205831549	681947004(NonSDGD) Sample Duplicate (DUP)
1205831550	681947004(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 35
Analytical Batch: 2661842

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682138001	ARK-ARGWA-3
682138002	ARK-ARGWA-12
682138003	ARK-ARGWA-24
1205832632	Method Blank (MB)
1205832633	Laboratory Control Sample (LCS)
1205832634	682138001(ARK-ARGWA-3) Sample Duplicate (DUP)
1205832635	682138001(ARK-ARGWA-3) Post Spike (PS)
1205832636	682329008(ARK-ARGWC-16) Sample Duplicate (DUP)
1205832637	682329008(ARK-ARGWC-16) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 1205832636 (ARK-ARGWC-16DUP), 1205832637 (ARK-ARGWC-16PS) and 682138002 (ARK-ARGWA-12) were diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	**682138**
	002
Chloride	2X

Miscellaneous Information

Manual Integrations
Samples 1205832634 (ARK-ARGWA-3DUP), 1205832636 (ARK-ARGWC-16DUP), 682138001 (ARK-ARGWA-3), 682138002 (ARK-ARGWA-12) and 682138003 (ARK-ARGWA-24) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Nitrate/Nitrite Cad Redux Low Level**
Analytical Method: EPA 353.2 Low Level
Analytical Procedure: GL-GC-E-128 REV# 15
Analytical Batch: 2661629

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682138001	ARK-ARGWA-3
682138002	ARK-ARGWA-12
682138003	ARK-ARGWA-24
1205832102	Method Blank (MB)
1205832103	Laboratory Control Sample (LCS)
1205832104	682138001(ARK-ARGWA-3) Sample Duplicate (DUP)
1205832105	682138001(ARK-ARGWA-3) Post Spike (PS)
1205832106	682329008(ARK-ARGWC-16) Sample Duplicate (DUP)
1205832107	682329008(ARK-ARGWC-16) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 21
Analytical Batch: 2663138

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682138001	ARK-ARGWA-3
682138002	ARK-ARGWA-12
682138003	ARK-ARGWA-24
1205835763	Method Blank (MB)
1205835764	Laboratory Control Sample (LCS)
1205835765	681869001(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to historical information. 1205835765 (Non SDG 681869001DUP).

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 16
Analytical Batch: 2661203

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682138001	ARK-ARGWA-3
682138002	ARK-ARGWA-12
682138003	ARK-ARGWA-24
1205831115	Laboratory Control Sample (LCS)
1205831120	Laboratory Control Sample (LCS)
1205831121	Laboratory Control Sample Duplicate (LCSD)
1205831122	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Laboratory Control Sample Duplicate (LCSD)
An LCSD was used in place of matrix QC due to limited sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number [1]: 4 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

682138
682142

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Myer, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARGWA-3	08-20-24	1655	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWA-12	08-20-24	1630	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWA-24	08-20-24	1710	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/21/24			8/21/24
2						8/21/24 1400
3				3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 1 °C

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

1) Chain of Custody Number = Client Determined

2) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered

4) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5) Sample Analysis Requested: Analytical method requested (i.e **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B 7470A* - **1**)

6) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

682138 682097 682084
682142 682098 AP
682093 682097 WT 8/26/24

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	**SDG/AR/COC/Work Order:**
Received By: CLM	**Date Received:** 8/21/24
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other cooler 1-0° 3-1° 5-1° 7-0° 9-1° 11-1° 2-0° 4-0° 6-0° 8-1° 10-0°

Suspected Hazard Information	Yes	No	
			*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	**Comments/Qualifiers (Required for Non-Conforming Items)**
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius **TEMP:** See above with coolers
4	Daily check performed and passed on IR temperature gun?	✓			**Temperature Device Serial #:** IR5-23 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	✓			Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) ARL-1A RFMW-8 (2 of 3) plastic 1,000 has 8/19/24
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):
10.) Write on Samples, per COC it should be 8/20/24.

PM (or PMA) review: Initials _____ Date _____ Page ____ of ____

GL-CHL-SR-001 Rev 7

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number [1]: 4 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

682138
682142

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Myer, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARGWA-3	08-20-24	1655	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWA-12	08-20-24	1630	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWA-24	08-20-24	1710	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/21/24			8/21/24
2						8/21/24 1400
3						

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 1 °C

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B 7470A* - **1**)

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

682138 682097 682084
682142 682098
682093

AP
~~682097~~
WT 8/26/24

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order:
Received By: CLM	Date Received: 8/21/24
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other Cooler 1-0° 3-1° 5-1° 7-0° 9-1° 11-1° 2-0° 4-0° 6-0° 8-1° 10-0°

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM/ mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP: See above with coolers
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR5-23 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	✓			Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) ARL-A RAMW-8 (2 of 3) plastic 1,000 has 8/19/24
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):
10.) wrote on samples, per COC it should be 8/20/24.

PM (or PMA) review: Initials WJ Date 8/26/24 Page 1 of 1

GL-CHL-SR-001 Rev 7

List of current GEL Certifications as of 05 September 2024

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-41
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 05, 2024

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance 175569434
Work Order: 682143

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 21, 2024. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
682143001	ARK-ARGWA-3	Ground Water	08/20/24 16:55	08/21/24 14:00
682143002	ARK-ARGWA-12	Ground Water	08/20/24 16:30	08/21/24 14:00
682143003	ARK-ARGWA-24	Ground Water	08/20/24 17:10	08/21/24 14:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
SW846 3005A	24-AUG-2024

Analysis Methods and Analysis Dates

Method	Run Date ID
SW846 3005A/6020B	27-AUG-2024

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4443.

Sincerely,

Alaina Pinnick

Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC001 Georgia Power Company

Client SDG: 682143 GEL Work Order: 682143

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 5, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance175569434

Client Sample ID:	ARK-ARGWA-3	Project:	GPCC00100
Sample ID:	682143001	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	20-AUG-24 16:55		
Receive Date:	21-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	RM4	08/27/24	1908	2661575	1
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/24/24	1250	2661574

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 5, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance175569434

Client Sample ID:	ARK-ARGWA-12	Project:	GPCC00100
Sample ID:	682143002	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	20-AUG-24 16:30		
Receive Date:	21-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	RM4	08/27/24	1926	2661575	1
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/24/24	1250	2661574

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 5, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance175569434

Client Sample ID:	ARK-ARGWA-24	Project:	GPCC00100
Sample ID:	682143003	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	20-AUG-24 17:10		
Receive Date:	21-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	J	0.0578	0.0330	0.100	mg/L	1.00	1	RM4	08/27/24	1930	2661575	1
Manganese	J	0.00285	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/24/24	1250	2661574

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: September 5, 2024

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **682143**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2661575										
QC1205831965 LCS										
Iron	2.00			2.07	mg/L		104	(80%-120%)	RM4	08/27/24 19:04
Manganese	0.0500			0.0531	mg/L		106	(80%-120%)		
QC1205831964 MB										
Iron			U	ND	mg/L					08/27/24 19:00
Manganese			U	ND	mg/L					
QC1205831966 682143001 MS										
Iron	2.00	U	ND	2.02	mg/L		101	(75%-125%)		08/27/24 19:11
Manganese	0.0500	U	ND	0.0523	mg/L		104	(75%-125%)		
QC1205831967 682143001 MSD										
Iron	2.00	U	ND	2.02	mg/L	0.256	101	(0%-20%)		08/27/24 19:15
Manganese	0.0500	U	ND	0.0522	mg/L	0.0804	104	(0%-20%)		
QC1205831968 682143001 SDILT										
Iron		U	ND	U ND	ug/L	N/A		(0%-20%)		08/27/24 19:23
Manganese		U	ND	U ND	ug/L	N/A		(0%-20%)		

Notes:

The Qualifiers in this report are defined as follows:

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J Value is estimated

QC Summary

Workorder: **682143**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
J	See case narrative for an explanation

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals
Technical Case Narrative
Georgia Power Company
SDG #: 682143

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 36
Analytical Batch: 2661575

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2661574

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682143001	ARK-ARGWA-3
682143002	ARK-ARGWA-12
682143003	ARK-ARGWA-24
1205831964	Method Blank (MB)**ICP-MS**
1205831965	Laboratory Control Sample (LCS)
1205831968	682143001(ARK-ARGWA-3L) Serial Dilution (SD)
1205831966	682143001(ARK-ARGWA-3S) Matrix Spike (MS)
1205831967	682143001(ARK-ARGWA-3SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number [1]: 5 Sample Cooler(s): 1
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

682143

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Myer, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe^{2+}/Mn^{2+} (6020B) Field Filtered	SA Nitrate/Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARGWA-3	08-20-24	1655	N	Y	WG			1										X		
ARK-ARGWA-12	08-20-24	1630	N	Y	WG			1										X		
ARK-ARGWA-24	08-20-24	1710	N	Y	WG			1										X		

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/21/24	1		8/21/24
2				2		8/21/24 1400
3				3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 1 °C

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

1.) Chain of Custody Number = Client Determined

2.) QC Codes. **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered. For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested. Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B 7470A* - **1**)

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

682138 682097 682084
682142 682098 AP
682093 ~~682097~~ WT 8/22/24

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order:
Received By: CLM	Date Received: 8/21/24
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other

Cooler 1-0° 3-1° 5-1° 7-0° 9-1° 11-1°
2-0° 4-0° 6-0° 8-1° 10-0°

Suspected Hazard Information	Yes	No	
			*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM/ mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP: See above with coolers
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR5-23 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	✓			Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) ARK-ARAMW-8 (2 of 3) plastic 1,000 has 8/19/24
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):
10.) wrote on samples, per COC it should be 8/20/24.

PM (or PMA) review: Initials WJ Date 8/26/24 Page 1 of 1

GL-CHL-SR-001 Rev 7

List of current GEL Certifications as of 05 September 2024

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-41
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 06, 2024

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance
Work Order: 682324

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 22, 2024. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
682324001	ARK-ARGWA-14	Ground Water	08/22/24 07:10	08/22/24 15:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

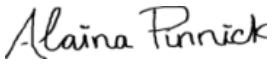
Method	Run Date ID
SW846 3005A	26-AUG-2024
SW846 7470A Prep	23-AUG-2024

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	24-AUG-2024
EPA 353.2 Low Level	23-AUG-2024
SM 2320B	22-AUG-2024
SM 2540C	29-AUG-2024
SW846 3005A/6020B	01-SEP-2024
SW846 3005A/6020B	31-AUG-2024
SW846 7470A	26-AUG-2024

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4443.

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Chain of Custody: 10
Enclosures

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC001 Georgia Power Company

Client SDG: 682324 GEL Work Order: 682324

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWA-14	Project:	GPCC00100
Sample ID:	682324001	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	22-AUG-24 07:10		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.39	0.0670	0.200	mg/L		1	CWW	08/24/24	0322	2661838	1
Fluoride		0.210	0.0330	0.100	mg/L		1					
Sulfate		5.41	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1156	2661400	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	BAJ	08/31/24	1623	2661587	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0563	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Magnesium		8.55	0.0100	0.0300	mg/L	1.00	1					
Molybdenum	J	0.000727	0.000200	0.00100	mg/L	1.00	1					
Potassium		2.99	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0311	0.00520	0.0150	mg/L	1.00	1	BAJ	09/01/24	1225	2661587	4
Calcium		45.3	0.0800	0.200	mg/L	1.00	1					
Lithium	J	0.00312	0.00300	0.0100	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	09/01/24	1522	2661587	5
Sodium		56.0	0.400	1.25	mg/L	1.00	5	BAJ	08/31/24	1638	2661587	6
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.264	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1107	2661630	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWA-14 Project: GPCC00100
Sample ID: 682324001 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		309	2.38	10.0	mg/L			KLP1	08/29/24	1041	2664569	8
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		225	0.725	2.00	mg/L			JW2	08/22/24	1648	2661505	9
Bicarbonate alkalinity (CaCO3)		225	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	AB5	08/26/24	0820	2661586
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661398

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	EPA 353.2 Low Level	
8	SM 2540C	
9	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: September 6, 2024

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **682324**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2661838										
QC1205832620 682084001 DUP										
Chloride		1.80		1.81	mg/L	0.725		(0%-20%)	CWW	08/23/24 13:35
Fluoride		0.333		0.329	mg/L	1.21	^	(+/-0.100)		
Sulfate		55.2		54.9	mg/L	0.497		(0%-20%)		08/24/24 05:30
QC1205832622 682084011 DUP										
Chloride		9.67		9.69	mg/L	0.146		(0%-20%)		08/23/24 21:00
Fluoride		0.464		0.472	mg/L	1.71	^	(+/-0.100)		
Sulfate		253		254	mg/L	0.506		(0%-20%)		08/24/24 17:57
QC1205832619 LCS										
Chloride	5.00			5.18	mg/L		104	(90%-110%)		08/23/24 12:31
Fluoride	2.50			2.57	mg/L		103	(90%-110%)		
Sulfate	10.0			10.5	mg/L		105	(90%-110%)		08/29/24 15:47
QC1205832618 MB										
Chloride			U	ND	mg/L					08/23/24 11:59
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					08/29/24 15:15

QC Summary

Workorder: **682324**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2661838										
QC1205832621 682084001 PS										
Chloride	5.00	1.80		7.03	mg/L		105	(90%-110%)	CWW	08/23/24 14:06
Fluoride	2.50	0.333		3.02	mg/L		107	(90%-110%)		
Sulfate	10.0	11.0		21.7	mg/L		106	(90%-110%)		08/24/24 06:02
QC1205832623 682084011 PS										
Chloride	5.00	9.67		15.7	mg/L		120*	(90%-110%)		08/23/24 21:32
Fluoride	2.50	0.464		3.10	mg/L		106	(90%-110%)		
Sulfate	10.0	10.1		20.7	mg/L		106	(90%-110%)		08/24/24 18:29
Metals Analysis - ICPMS										
Batch 2661587										
QC1205832001 LCS										
Aluminum	2.00			2.19	mg/L		109	(80%-120%)	BAJ	08/31/24 16:15
Antimony	0.0500			0.0496	mg/L		99.1	(80%-120%)		
Arsenic	0.0500			0.0516	mg/L		103	(80%-120%)		
Barium	0.0500			0.0511	mg/L		102	(80%-120%)		
Beryllium	0.0500			0.0527	mg/L		105	(80%-120%)	PRB	09/01/24 15:20
Boron	0.100			0.117	mg/L		117	(80%-120%)	BAJ	09/01/24 12:24
Cadmium	0.0500			0.0505	mg/L		101	(80%-120%)		08/31/24 16:15

QC Summary

Workorder: **682324**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2661587										
Calcium	2.00			2.13	mg/L		106	(80%-120%)	BAJ	09/01/24 12:24
Chromium	0.0500			0.0497	mg/L		99.4	(80%-120%)		08/31/24 16:15
Cobalt	0.0500			0.0499	mg/L		99.7	(80%-120%)		
Iron	2.00			2.02	mg/L		101	(80%-120%)		
Lead	0.0500			0.0519	mg/L		104	(80%-120%)		
Lithium	0.0500			0.0567	mg/L		113	(80%-120%)		09/01/24 12:24
Magnesium	2.00			2.26	mg/L		113	(80%-120%)		08/31/24 16:15
Manganese	0.0500			0.0487	mg/L		97.3	(80%-120%)		09/01/24 12:24
Molybdenum	0.0500			0.0521	mg/L		104	(80%-120%)		08/31/24 16:15
Potassium	2.00			2.12	mg/L		106	(80%-120%)		
Selenium	0.0500			0.0505	mg/L		101	(80%-120%)		
Silver	0.0500			0.0525	mg/L		105	(80%-120%)		
Sodium	2.00			2.23	mg/L		112	(80%-120%)		
Thallium	0.0500			0.0497	mg/L		99.4	(80%-120%)		

QC Summary

Workorder: **682324**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2661587										
QC1205832000 MB										
Aluminum			U	ND	mg/L				BAJ	08/31/24 16:12
Antimony			U	ND	mg/L					
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L				PRB	09/01/24 15:18
Boron			U	ND	mg/L				BAJ	09/01/24 12:23
Cadmium			U	ND	mg/L					08/31/24 16:12
Calcium			U	ND	mg/L					09/01/24 12:23
Chromium			U	ND	mg/L					08/31/24 16:12
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					09/01/24 12:23
Magnesium			U	ND	mg/L					08/31/24 16:12

QC Summary

Workorder: **682324**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2661587											
Manganese				U	ND	mg/L				BAJ	09/01/24 12:23
Molybdenum				U	ND	mg/L					08/31/24 16:12
Potassium				U	ND	mg/L					
Selenium				U	ND	mg/L					
Silver				U	ND	mg/L					
Sodium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1205832002 682324001 MS											
Aluminum	2.00	U	ND		2.07	mg/L		103	(75%-125%)		08/31/24 16:26
Antimony	0.0500	U	ND		0.0507	mg/L		101	(75%-125%)		
Arsenic	0.0500	U	ND		0.0524	mg/L		103	(75%-125%)		
Barium	0.0500		0.0563		0.105	mg/L		96.5	(75%-125%)		
Beryllium	0.0500	U	ND		0.0539	mg/L		108	(75%-125%)	PRB	09/01/24 15:24
Boron	0.100		0.0311		0.137	mg/L		106	(75%-125%)	BAJ	09/01/24 12:27
Cadmium	0.0500	U	ND		0.0501	mg/L		100	(75%-125%)		08/31/24 16:26

QC Summary

Workorder: **682324**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2661587											
Calcium	2.00		45.3		46.8	mg/L		N/A	(75%-125%)	BAJ	09/01/24 12:27
Chromium	0.0500	U	ND		0.0503	mg/L		99.2	(75%-125%)		08/31/24 16:26
Cobalt	0.0500	U	ND		0.0486	mg/L		97.3	(75%-125%)		
Iron	2.00	U	ND		1.95	mg/L		97.2	(75%-125%)		
Lead	0.0500	U	ND		0.0487	mg/L		97.4	(75%-125%)		
Lithium	0.0500	J	0.00312		0.0572	mg/L		108	(75%-125%)		09/01/24 12:27
Magnesium	2.00		8.55		10.6	mg/L		N/A	(75%-125%)		08/31/24 16:26
Manganese	0.0500	U	ND		0.0491	mg/L		96.5	(75%-125%)		09/01/24 12:27
Molybdenum	0.0500	J	0.000727		0.0541	mg/L		107	(75%-125%)		08/31/24 16:26
Potassium	2.00		2.99		5.01	mg/L		101	(75%-125%)		
Selenium	0.0500	U	ND		0.0504	mg/L		100	(75%-125%)		
Silver	0.0500	U	ND		0.0496	mg/L		99.2	(75%-125%)		
Sodium	2.00		56.0		58.4	mg/L		N/A	(75%-125%)		08/31/24 16:40
Thallium	0.0500	U	ND		0.0472	mg/L		94.5	(75%-125%)		08/31/24 16:26

QC Summary

Workorder: **682324**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2661587												
QC1205832003 682324001 MSD												
Aluminum	2.00	U	ND		2.08	mg/L	0.83	104	(0%-20%)	BAJ	08/31/24	16:29
Antimony	0.0500	U	ND		0.0497	mg/L	1.9	99.3	(0%-20%)			
Arsenic	0.0500	U	ND		0.0516	mg/L	1.49	102	(0%-20%)			
Barium	0.0500		0.0563		0.104	mg/L	0.211	96	(0%-20%)			
Beryllium	0.0500	U	ND		0.0543	mg/L	0.732	109	(0%-20%)	PRB	09/01/24	15:26
Boron	0.100		0.0311		0.136	mg/L	0.562	105	(0%-20%)	BAJ	09/01/24	12:28
Cadmium	0.0500	U	ND		0.0496	mg/L	1.02	99.1	(0%-20%)		08/31/24	16:29
Calcium	2.00		45.3		46.9	mg/L	0.181	N/A	(0%-20%)		09/01/24	12:28
Chromium	0.0500	U	ND		0.0498	mg/L	0.833	98.3	(0%-20%)		08/31/24	16:29
Cobalt	0.0500	U	ND		0.0485	mg/L	0.226	97.1	(0%-20%)			
Iron	2.00	U	ND		1.95	mg/L	0.419	96.8	(0%-20%)			
Lead	0.0500	U	ND		0.0483	mg/L	0.791	96.6	(0%-20%)			
Lithium	0.0500	J	0.00312		0.0551	mg/L	3.83	104	(0%-20%)		09/01/24	12:28
Magnesium	2.00		8.55		10.7	mg/L	0.637	N/A	(0%-20%)		08/31/24	16:29

QC Summary

Workorder: **682324**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2661587												
Manganese	0.0500	U	ND		0.0494	mg/L	0.586	97.1	(0%-20%)	BAJ	09/01/24	12:28
Molybdenum	0.0500	J	0.000727		0.0539	mg/L	0.369	106	(0%-20%)		08/31/24	16:29
Potassium	2.00		2.99		5.05	mg/L	0.73	103	(0%-20%)			
Selenium	0.0500	U	ND		0.0503	mg/L	0.157	99.8	(0%-20%)			
Silver	0.0500	U	ND		0.0498	mg/L	0.475	99.7	(0%-20%)			
Sodium	2.00		56.0		58.5	mg/L	0.131	N/A	(0%-20%)		08/31/24	16:43
Thallium	0.0500	U	ND		0.0465	mg/L	1.7	92.9	(0%-20%)		08/31/24	16:29
QC1205832004 682324001 SDILT												
Aluminum		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/31/24	16:35
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Barium			56.3		11.4	ug/L	.925		(0%-20%)			
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)	PRB	09/01/24	15:30
Boron			31.1	J	8.22	ug/L	32.3		(0%-20%)	BAJ	09/01/24	12:30
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/31/24	16:35

QC Summary

Workorder: **682324**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2661587										
Calcium		45300		9090	ug/L	.308		(0%-20%)	BAJ	09/01/24 12:30
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		08/31/24 16:35
Cobalt	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Iron	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	J	3.12	U	ND	ug/L	N/A		(0%-20%)		09/01/24 12:30
Magnesium		8550		1750	ug/L	2.51		(0%-20%)		08/31/24 16:35
Manganese	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/01/24 12:30
Molybdenum	J	0.727	U	ND	ug/L	N/A		(0%-20%)		08/31/24 16:35
Potassium		2990		601	ug/L	.492		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Silver	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		11200		2380	ug/L	6.14		(0%-20%)		08/31/24 16:49
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		08/31/24 16:35

QC Summary

Workorder: **682324**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-Mercury												
Batch 2661400												
QC1205831549 681947004 DUP												
Mercury		U	ND	U	ND	mg/L	N/A			JP2	08/26/24	11:18
QC1205831548 LCS												
Mercury	0.00200				0.00209	mg/L		104	(80%-120%)		08/26/24	11:10
QC1205831547 MB												
Mercury				U	ND	mg/L					08/26/24	11:08
QC1205831550 681947004 MS												
Mercury	0.00200	U	ND		0.00212	mg/L		106	(75%-125%)		08/26/24	11:20
QC1205831551 681947004 SDILT												
Mercury		U	ND	U	ND	ug/L	N/A		(0%-10%)		08/26/24	11:21
Nutrient Analysis												
Batch 2661630												
QC1205832110 682321001 DUP												
Nitrogen, Nitrate/Nitrite			1.97		1.97	mg/L	0		(0%-20%)	JLD1	08/23/24	10:47
QC1205832109 LCS												
Nitrogen, Nitrate/Nitrite	1.00				0.998	mg/L		99.8	(90%-110%)		08/23/24	10:44
QC1205832108 MB												
Nitrogen, Nitrate/Nitrite				U	ND	mg/L					08/23/24	10:43
QC1205832111 682321001 PS												
Nitrogen, Nitrate/Nitrite	1.00		0.394		1.41	mg/L		101	(90%-110%)		08/23/24	10:49
Solids Analysis												
Batch 2664569												
QC1205838906 682409004 DUP												
Total Dissolved Solids			409		413	mg/L	0.973		(0%-5%)	KLP1	08/29/24	10:41

QC Summary

Workorder: **682324**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Solids Analysis											
Batch 2664569											
QC1205838904 LCS											
Total Dissolved Solids	300			294	mg/L		98	(95%-105%)	KLP1	08/29/24	10:41
QC1205838903 MB											
Total Dissolved Solids			J	4.00	mg/L					08/29/24	10:41
Titration and Ion Analysis											
Batch 2661505											
QC1205831761 LCS											
Alkalinity, Total as CaCO3	50.0			53.8	mg/L		108	(90%-110%)	JW2	08/22/24	16:44
QC1205831762 LCS											
Alkalinity, Total as CaCO3	15.0			15.0	mg/L		100	(90%-110%)		08/22/24	16:46
QC1205831763 LCSD											
Alkalinity, Total as CaCO3	50.0			53.4	mg/L	0.746	107	(0%-20%)		08/22/24	16:45
QC1205831764 LCSD											
Alkalinity, Total as CaCO3	15.0			15.4	mg/L	2.63	103	(0%-20%)		08/22/24	16:47

Notes:

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Metals--The Matrix spike sample recovery is not within specified control limits
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded
- R Sample results are rejected
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample

QC Summary

Workorder: **682324**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

N/A RPD or %Recovery limits do not apply.

ND Analyte concentration is not detected above the detection limit

E %difference of sample and SD is >10%. Sample concentration must meet flagging criteria

NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range

Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies

N1 See case narrative

Y Other specific qualifiers were required to properly define the results. Consult case narrative.

R Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.

B The target analyte was detected in the associated blank.

e 5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes

J See case narrative for an explanation

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 682324

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 36
Analytical Batch: 2661587

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2661586

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682324001	ARK-ARGWA-14
1205832000	Method Blank (MB)**ICP-MS**
1205832001	Laboratory Control Sample (LCS)
1205832004	682324001(ARK-ARGWA-14L) Serial Dilution (SD)
1205832002	682324001(ARK-ARGWA-14S) Matrix Spike (MS)
1205832003	682324001(ARK-ARGWA-14SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Sample 682324001 (ARK-ARGWA-14) was diluted to ensure that the analyte concentration was within the linear calibration range of the instrument.

Analyte	**682324**
	001
Sodium	5X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 40
Analytical Batch: 2661400

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 40
Preparation Batch: 2661398

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682324001	ARK-ARGWA-14
1205831547	Method Blank (MB)**CVAA**
1205831548	Laboratory Control Sample (LCS)
1205831551	681947004(NonSDGL) Serial Dilution (SD)
1205831549	681947004(NonSDGD) Sample Duplicate (DUP)
1205831550	681947004(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 35
Analytical Batch: 2661838

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682324001	ARK-ARGWA-14
1205832618	Method Blank (MB)
1205832619	Laboratory Control Sample (LCS)
1205832620	682084001(ARK-AP1GWA-1) Sample Duplicate (DUP)
1205832621	682084001(ARK-AP1GWA-1) Post Spike (PS)
1205832622	682084011(ARK-AP1PZ-10) Sample Duplicate (DUP)
1205832623	682084011(ARK-AP1PZ-10) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Matrix Spike (MS)/Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

Analyte	Sample	Value
Chloride	1205832623 (ARK-AP1PZ-10PS)	120* (90%-110%)

Technical Information

Sample Dilutions
The following samples 1205832620 (ARK-AP1GWA-1DUP), 1205832621 (ARK-AP1GWA-1PS), 1205832622 (ARK-AP1PZ-10DUP) and 1205832623 (ARK-AP1PZ-10PS) were diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Sample Re-analysis
Sample was re-analyzed due to high CVH failure. The reanalysis data with passing instrument QC was reported. 1205832618 (MB) and 1205832619 (LCS).

Miscellaneous Information

Manual Integrations
Samples were manually integrated to correctly position the baseline as set in the calibration standards for the analyte, Fluoride. 1205832620 (ARK-AP1GWA-1DUP), 1205832621 (ARK-AP1GWA-1PS), 1205832622 (ARK-AP1PZ-10DUP), 1205832623 (ARK-AP1PZ-10PS) and 682324001 (ARK-ARGWA-14).

Product: **Nitrate/Nitrite Cad Redux Low Level**
Analytical Method: EPA 353.2 Low Level
Analytical Procedure: GL-GC-E-128 REV# 15
Analytical Batch: 2661630

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682324001	ARK-ARGWA-14
1205832108	Method Blank (MB)
1205832109	Laboratory Control Sample (LCS)
1205832110	682321001(NonSDG) Sample Duplicate (DUP)
1205832111	682321001(NonSDG) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 1205832110 (Non SDG 682321001DUP) and 1205832111 (Non SDG 682321001PS) were diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 21
Analytical Batch: 2664569

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682324001	ARK-ARGWA-14
1205838903	Method Blank (MB)
1205838904	Laboratory Control Sample (LCS)
1205838906	682409004(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Method Blank (MB) Statement
The MB (See Below) analyzed with this SDG met the acceptance criteria. In instances where there were positive hits in the method blank, the results were evaluated and appropriately flagged on the data.

Sample	Analyte	Value
1205838903 (MB)	Total Dissolved Solids	4 between (2.38 - 10)

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 16
Analytical Batch: 2661505

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682324001	ARK-ARGWA-14
1205831761	Laboratory Control Sample (LCS)
1205831762	Laboratory Control Sample (LCS)
1205831763	Laboratory Control Sample Duplicate (LCSD)
1205831764	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Laboratory Control Sample Duplicate (LCSD)
An LCSD was used in place of matrix QC due to limited sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number (1): 10 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

682324
682325

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Miller, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Page 23 of 25 SDG 682324

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-14	08-22-24	0710	N	N	WG			7	X	X	X	X	X	X	X	X	X		X	1.6L RAD collected sampled within 24hrs.

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/23/24
2						8/22/24 1525
3						

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: ____ °C

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

682324
682325

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order:
Received By: QG	Date Received: 8/22/24
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier (Other) n/a

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: (Wet Ice) Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:_____
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR1-23 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	✓			Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

Cooler 1- 0°c
2- 0°c
3- 1°c
4- 0°c
5- 0°c
6- 0°c
7- 1°c
8- 0°c

PM (or PMA) review: Initials HPB Date 8/23/24 Page 1 of 1

List of current GEL Certifications as of 06 September 2024

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-41
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 19, 2024

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Relog: Radiochemistry
Work Order: 682325

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 22, 2024. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
682325001	ARK-ARGWA-14	Ground Water	08/22/24 07:10	08/22/24 15:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

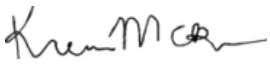
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	19-SEP-2024
EPA 903.1 Modified	19-SEP-2024
EPA 904.0/SW846 9320 Modified	17-SEP-2024

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4443.

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Chain of Custody: 10
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC001 Georgia Power Company

Client SDG: 682325 GEL Work Order: 682325

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

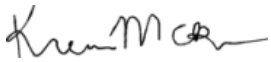
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 19, 2024

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWA-14
Sample ID: 682325001
Matrix: WG
Collect Date: 22-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.943	+/-1.10	1.85	+/-1.12	3.00	pCi/L			KP1	09/17/24	1253	2661778	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.40	+/-1.16	1.85	+/-1.18		pCi/L		1	NXL1	09/19/24	1325	2665106	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.455	+/-0.371	0.481	+/-0.377	1.00	pCi/L			MJ2	09/19/24	0808	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661778	81.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 682325

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2665106

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682325001	ARK-ARGWA-14

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2661778

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682325001	ARK-ARGWA-14
1205832458	Method Blank (MB)
1205832459	682097001(ARK-ARGWA-19) Sample Duplicate (DUP)
1205832460	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2661722

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682325001	ARK-ARGWA-14
1205832291	Method Blank (MB)
1205832292	682059007(NonSDG) Sample Duplicate (DUP)
1205832293	682059007(NonSDG) Matrix Spike (MS)
1205832294	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1205832293 (Non SDG 682059007MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Client : **Georgia Power Company, Southern Company**
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **682325**

Report Date: September 19, 2024

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2661778										
QC1205832459 682097001 DUP										
Radium-228	U	1.83	U	0.527	pCi/L	0		N/A	KP1	09/17/2412:52
	Uncert:	+/-1.31		+/-1.23						
	TPU:	+/-1.39		+/-1.24						
QC1205832460 LCS										
Radium-228	70.5			55.7	pCi/L		79	(75%-125%)	KP1	09/17/2412:52
	Uncert:			+/-4.20						
	TPU:			+/-14.9						
QC1205832458 MB										
Radium-228			U	0.570	pCi/L				KP1	09/17/2412:52
	Uncert:			+/-0.923						
	TPU:			+/-0.934						
Rad Ra-226										
Batch 2661722										
QC1205832292 682059007 DUP										
Radium-226		0.654		0.666	pCi/L	1.82		(0% - 100%)	MJ2	09/19/2409:19
	Uncert:	+/-0.375		+/-0.384						
	TPU:	+/-0.399		+/-0.408						
QC1205832294 LCS										
Radium-226	27.1			22.8	pCi/L		84.1	(75%-125%)	MJ2	09/19/2409:19
	Uncert:			+/-2.00						
	TPU:			+/-4.73						
QC1205832291 MB										
Radium-226			U	0.372	pCi/L				MJ2	09/19/2409:19
	Uncert:			+/-0.365						
	TPU:			+/-0.369						
QC1205832293 682059007 MS										
Radium-226	123	0.654		112	pCi/L		90.5	(75%-125%)	MJ2	09/19/2409:19
	Uncert:	+/-0.375		+/-10.0						
	TPU:	+/-0.399		+/-19.2						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported

QC Summary

Workorder: **682325**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
J	See case narrative for an explanation

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number [1]: 10 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC

Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

682324
682325

Client Name: Georgia Power — Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Myer, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-14	08-22-24	0710	N	N	WG			7	X	X	X	X	X	X	X	X	X		X	1.6L RAD collected sampled within 24hrs.

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24	1		8/23/24
2				2		8/22/24 1525
3				3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

***Sample Collection Time Zone*:** [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

PO-1 SDG: 682325

682324
682325

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order:
Received By: QG	Date Received: 8/22/24
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier (Other) n/a

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:_____
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR1-23 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?		✓		Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?		✓		If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

Cooler 1- 0°c
2- 0°c
3- 1°c
4- 0°c
5- 0°c
6- 0°c
7- 1°c
8- 0°c

PM (or PMA) review: Initials HB Date 8/23/24 Page 1 of 1

List of current GEL Certifications as of 19 September 2024

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-41
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 06, 2024

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance
Work Order: 682326

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 22, 2024. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
682326001	ARK-ARGWA-14	Ground Water	08/22/24 07:10	08/22/24 15:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
SW846 3005A	26-AUG-2024

Analysis Methods and Analysis Dates

Method	Run Date ID
SW846 3005A/6020B	01-SEP-2024
SW846 3005A/6020B	31-AUG-2024

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4443.

Sincerely,

Alaina Pinnick

Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Chain of Custody: 10
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC001 Georgia Power Company

Client SDG: 682326 GEL Work Order: 682326

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWA-14	Project:	GPCC00100
Sample ID:	682326001	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	22-AUG-24 07:10		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1659	2661587	1
Manganese	J	0.00224	0.00100	0.00500	mg/L	1.00	1	BAJ	09/01/24	1238	2661587	2

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	AB5	08/26/24	0820	2661586

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: September 6, 2024

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **682326**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2661587										
QC1205832001 LCS										
Iron	2.00			2.02	mg/L		101	(80%-120%)	BAJ	08/31/24 16:15
Manganese	0.0500			0.0487	mg/L		97.3	(80%-120%)		09/01/24 12:24
QC1205832000 MB										
Iron			U	ND	mg/L					08/31/24 16:12
Manganese			U	ND	mg/L					09/01/24 12:23
QC1205832002 682324001 MS										
Iron	2.00 U	ND		1.95	mg/L		97.2	(75%-125%)		08/31/24 16:26
Manganese	0.0500 U	ND		0.0491	mg/L		96.5	(75%-125%)		09/01/24 12:27
QC1205832003 682324001 MSD										
Iron	2.00 U	ND		1.95	mg/L	0.419	96.8	(0%-20%)		08/31/24 16:29
Manganese	0.0500 U	ND		0.0494	mg/L	0.586	97.1	(0%-20%)		09/01/24 12:28
QC1205832004 682324001 SDILT										
Iron	U	ND	U	ND	ug/L	N/A		(0%-20%)		08/31/24 16:35
Manganese	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/01/24 12:30

Notes:

The Qualifiers in this report are defined as follows:

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J Value is estimated

QC Summary

Workorder: **682326**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
J	See case narrative for an explanation

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals
Technical Case Narrative
Georgia Power Company
SDG #: 682326

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 36
Analytical Batch: 2661587

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2661586

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682326001	ARK-ARGWA-14
1205832000	Method Blank (MB)**ICP-MS**
1205832001	Laboratory Control Sample (LCS)
1205832004	682324001(ARK-ARGWA-14L) Serial Dilution (SD)
1205832002	682324001(ARK-ARGWA-14S) Matrix Spike (MS)
1205832003	682324001(ARK-ARGWA-14SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number [1]: 11 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

68232G
68232S
HB 8/23/24

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Mayr, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	NI Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-14	08-22-24	0710	N	Y	WG			1										X		

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 0825
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR).***

***Sample Collection Time Zone*:** [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 10 of 26

GEL | Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 682326
Received By: QG	Date Received: 8/22/24
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier (Other) n/a

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:_____
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR1-23 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?		✓		Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

Cooler 1- 0°c
2- 0°c
3- 1°c
4- 0°c
5- 0°c
6- 0°c
7- 1°c
8- 0°c

PM (or PMA) review: Initials FIB Date 8/23/24 Page 1 of 1

List of current GEL Certifications as of 06 September 2024

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-41
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 06, 2024

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance
Work Order: 682329

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 22, 2024. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
682329001	ARK-ARGWA-5	Ground Water	08/21/24 09:40	08/22/24 15:00
682329002	ARK-ARGWA-13	Ground Water	08/21/24 11:05	08/22/24 15:00
682329003	ARK-ARGWC-7	Ground Water	08/21/24 16:00	08/22/24 15:00
682329004	ARK-ARGWC-8	Ground Water	08/21/24 15:30	08/22/24 15:00
682329005	ARK-ARGWC-9	Ground Water	08/21/24 13:25	08/22/24 15:00
682329006	ARK-ARGWC-10	Ground Water	08/21/24 14:25	08/22/24 15:00
682329007	ARK-ARGWC-15	Ground Water	08/21/24 11:15	08/22/24 15:00
682329008	ARK-ARGWC-16	Ground Water	08/21/24 11:25	08/22/24 15:00
682329009	ARK-ARGWC-17	Ground Water	08/21/24 13:45	08/22/24 15:00
682329010	ARK-ARGWC-18	Ground Water	08/21/24 13:45	08/22/24 15:00
682329011	ARK-ARAMW-4	Ground Water	08/21/24 15:55	08/22/24 15:00
682329012	ARK-AP3-EB-04	Water	08/21/24 14:30	08/22/24 15:00
682329013	ARK-AP3-FD-04	Water	08/21/24 12:00	08/22/24 15:00
682329014	ARK-AP3-FB-04	Water	08/21/24 15:15	08/22/24 15:00
682329015	ARK-AP3-EB-05	Water	08/21/24 14:55	08/22/24 15:00
682329016	ARK-AP3-FD-05	Water	08/21/24 12:00	08/22/24 15:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
SW846 3005A	27-AUG-2024
SW846 7470A Prep	23-AUG-2024

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	23-AUG-2024
EPA 300.0	24-AUG-2024
EPA 353.2 Low Level	23-AUG-2024
SM 2320B	22-AUG-2024
SM 2540C	28-AUG-2024
SW846 3005A/6020B	03-SEP-2024
SW846 3005A/6020B	04-SEP-2024
SW846 7470A	26-AUG-2024

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4443.

Sincerely,

Alaina Pinnick

Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Chain of Custody: 8
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC001 Georgia Power Company

Client SDG: 682329 GEL Work Order: 682329

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWA-5	Project:	GPCC00100
Sample ID:	682329001	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 09:40		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		17.0	0.268	0.800	mg/L		4	TXT1	08/24/24	0643	2661842	1
Fluoride	J	0.0365	0.0330	0.100	mg/L		1	TXT1	08/23/24	1810	2661842	2
Sulfate		0.536	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1332	2661692	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Boron	J	0.00762	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1248	2661579	4
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2004	2661579	5
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0756	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		16.4	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		6.45	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00296	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.58	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		12.7	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.426	0.0140	0.0400	mg/L		2	JLD1	08/23/24	1202	2661629	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWA-5 Project: GPCC00100
Sample ID: 682329001 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		127	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		65.6	0.725	2.00	mg/L			JW2	08/22/24	1651	2661505	8
Bicarbonate alkalinity (CaCO3)		65.6	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	EPA 353.2 Low Level	
7	SM 2540C	
8	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWA-13
Sample ID: 682329002
Matrix: WG
Collect Date: 21-AUG-24 11:05
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.76	0.0670	0.200	mg/L		1	TXT1	08/23/24	1842	2661842	1
Fluoride	J	0.0387	0.0330	0.100	mg/L		1					
Sulfate		741	13.3	40.0	mg/L		100	TXT1	08/24/24	0715	2661842	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1334	2661692	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Aluminum	J	0.0483	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2043	2661579	4
Antimony	J	0.00102	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0218	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0576	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00639	0.00300	0.0100	mg/L	1.00	1					
Manganese		0.00805	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		3.98	0.0800	0.300	mg/L	1.00	1					
Selenium		0.0209	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		17.5	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		165	0.400	1.00	mg/L	1.00	5	BAJ	09/03/24	2046	2661579	5
Magnesium		114	0.0500	0.150	mg/L	1.00	5					
Boron		1.11	0.0520	0.150	mg/L	1.00	10	BAJ	09/04/24	1329	2661579	6
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		1.17	0.0140	0.0400	mg/L		2	JLD1	08/23/24	1203	2661629	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWA-13 Project: GPCC00100
Sample ID: 682329002 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1250	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	8
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		68.2	0.725	2.00	mg/L			JW2	08/22/24	1653	2661505	9
Bicarbonate alkalinity (CaCO3)		68.2	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	EPA 353.2 Low Level	
8	SM 2540C	
9	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-7	Project:	GPCC00100
Sample ID:	682329003	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 16:00		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		32.1	0.532	1.60	mg/L		4	TXT1	08/24/24	0746	2661842	1
Chloride		4.45	0.0670	0.200	mg/L		1	TXT1	08/23/24	1913	2661842	2
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1335	2661692	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2049	2661579	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0473	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		8.99	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0347	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		7.73	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00109	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		0.918	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		5.67	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0724	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1253	2661579	5
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.254	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1205	2661629	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWC-7 Project: GPCC00100
Sample ID: 682329003 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		119	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		25.6	0.725	2.00	mg/L			JW2	08/22/24	1654	2661505	8
Bicarbonate alkalinity (CaCO3)		25.6	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	EPA 353.2 Low Level	
7	SM 2540C	
8	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-8	Project:	GPCC00100
Sample ID:	682329004	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 15:30		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		48.7	0.665	2.00	mg/L		5	TXT1	08/24/24	1309	2661842	1
Chloride		5.59	0.0670	0.200	mg/L		1	TXT1	08/23/24	2047	2661842	2
Fluoride		0.139	0.0330	0.100	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1337	2661692	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Aluminum	J	0.0332	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2056	2661579	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0585	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		43.4	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0372	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00349	0.00300	0.0100	mg/L	1.00	1					
Magnesium		19.7	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.349	0.00100	0.00500	mg/L	1.00	1					
Molybdenum		0.0377	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.73	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		13.4	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.877	0.0520	0.150	mg/L	1.00	10	BAJ	09/04/24	1330	2661579	5
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite	U	ND	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1215	2661629	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWC-8 Project: GPCC00100
Sample ID: 682329004 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		266	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		157	0.725	2.00	mg/L			JW2	08/22/24	1655	2661505	8
Bicarbonate alkalinity (CaCO3)		157	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	EPA 353.2 Low Level	
7	SM 2540C	
8	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-9	Project:	GPCC00100
Sample ID:	682329005	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 13:25		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.93	0.0670	0.200	mg/L		1	TXT1	08/23/24	2119	2661842	1
Fluoride	J	0.0405	0.0330	0.100	mg/L		1					
Sulfate		1.42	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1339	2661692	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Boron	J	0.00660	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1309	2661579	3
Aluminum		0.331	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2101	2661579	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0363	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		4.65	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00727	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron		0.226	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		2.10	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.00683	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.71	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		6.57	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.694	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1217	2661629	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWC-9 Project: GPCC00100
Sample ID: 682329005 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		74.0	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		25.1	0.725	2.00	mg/L			JW2	08/22/24	1657	2661505	7
Bicarbonate alkalinity (CaCO3)		25.1	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	EPA 353.2 Low Level	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-10	Project:	GPCC00100
Sample ID:	682329006	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 14:25		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.99	0.0670	0.200	mg/L		1	TXT1	08/23/24	2150	2661842	1
Fluoride	J	0.0630	0.0330	0.100	mg/L		1					
Sulfate		0.492	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1340	2661692	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Boron	J	0.00605	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1310	2661579	3
Aluminum		0.275	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2112	2661579	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0328	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		7.87	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00501	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron		0.166	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		4.07	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.00512	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		0.742	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		9.85	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.160	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1218	2661629	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWC-10 Project: GPCC00100
Sample ID: 682329006 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		90.0	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		49.8	0.725	2.00	mg/L			JW2	08/22/24	1658	2661505	7
Bicarbonate alkalinity (CaCO3)		49.8	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	EPA 353.2 Low Level	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-15	Project:	GPCC00100
Sample ID:	682329007	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 11:15		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.55	0.0670	0.200	mg/L		1	TXT1	08/23/24	2221	2661842	1
Fluoride	J	0.0719	0.0330	0.100	mg/L		1					
Sulfate		4.47	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1342	2661692	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Aluminum		2.11	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2118	2661579	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0390	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		26.1	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00230	0.000300	0.00100	mg/L	1.00	1					
Iron		2.76	0.0330	0.100	mg/L	1.00	1					
Lead	J	0.000948	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		9.14	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0260	0.00100	0.00500	mg/L	1.00	1					
Molybdenum		0.00192	0.000200	0.00100	mg/L	1.00	1					
Potassium		7.57	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		8.39	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	J	0.0103	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1318	2661579	4
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.536	0.0140	0.0400	mg/L		2	JLD1	08/23/24	1220	2661629	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWC-15 Project: GPCC00100
Sample ID: 682329007 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		168	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		122	0.725	2.00	mg/L			JW2	08/22/24	1659	2661505	7
Bicarbonate alkalinity (CaCO3)		122	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	EPA 353.2 Low Level	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWC-16
Sample ID: 682329008
Matrix: WG
Collect Date: 21-AUG-24 11:25
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.71	0.0670	0.200	mg/L		1	TXT1	08/23/24	2253	2661842	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		350	6.65	20.0	mg/L		50	TXT1	08/24/24	1340	2661842	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1344	2661692	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Calcium		69.9	0.400	1.00	mg/L	1.00	5	BAJ	09/03/24	2126	2661579	4
Boron		0.449	0.0260	0.0750	mg/L	1.00	5	BAJ	09/04/24	1319	2661579	5
Aluminum	J	0.0246	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2124	2661579	6
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0349	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		48.3	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.315	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		4.24	0.0800	0.300	mg/L	1.00	1					
Selenium	J	0.00497	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		17.2	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.549	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1221	2661629	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWC-16 Project: GPCC00100
Sample ID: 682329008 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		601	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	8
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		10.0	0.725	2.00	mg/L			JW2	08/22/24	1700	2661505	9
Bicarbonate alkalinity (CaCO3)		10.0	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	EPA 353.2 Low Level	
8	SM 2540C	
9	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWC-17
Sample ID: 682329009
Matrix: WG
Collect Date: 21-AUG-24 13:45
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.76	0.0670	0.200	mg/L		1	TXT1	08/24/24	0027	2661842	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		143	1.33	4.00	mg/L		10	TXT1	08/24/24	1514	2661842	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1349	2661692	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Boron		0.0575	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1320	2661579	4
Manganese		1.33	0.00500	0.0250	mg/L	1.00	5	BAJ	09/03/24	2132	2661579	5
Aluminum	J	0.0392	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2129	2661579	6
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0480	0.000670	0.00400	mg/L	1.00	1					
Beryllium	J	0.000344	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		24.2	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0256	0.000300	0.00100	mg/L	1.00	1					
Iron		0.169	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		21.2	0.0100	0.0300	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.17	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		8.09	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.440	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1226	2661629	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWC-17 Project: GPCC00100
Sample ID: 682329009 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		235	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	8
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		7.90	0.725	2.00	mg/L			JW2	08/22/24	1702	2661505	9
Bicarbonate alkalinity (CaCO3)		7.90	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	EPA 353.2 Low Level	
8	SM 2540C	
9	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-18	Project:	GPCC00100
Sample ID:	682329010	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 13:45		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		199	2.66	8.00	mg/L		20	TXT1	08/24/24	1546	2661842	1
Chloride		6.72	0.0670	0.200	mg/L		1	TXT1	08/24/24	0058	2661842	2
Fluoride	J	0.0683	0.0330	0.100	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1350	2661692	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Aluminum		0.451	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2140	2661579	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0355	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		48.9	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00108	0.000300	0.00100	mg/L	1.00	1					
Iron		1.63	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00449	0.00300	0.0100	mg/L	1.00	1					
Magnesium		40.5	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.902	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		2.29	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		11.9	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		2.47	0.130	0.375	mg/L	1.00	25	BAJ	09/04/24	1331	2661579	5
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite	U	ND	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1227	2661629	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARGWC-18 Project: GPCC00100
Sample ID: 682329010 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		460	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		120	0.725	2.00	mg/L			JW2	08/22/24	1703	2661505	8
Bicarbonate alkalinity (CaCO3)		120	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	EPA 353.2 Low Level	
7	SM 2540C	
8	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARAMW-4
Sample ID: 682329011
Matrix: WG
Collect Date: 21-AUG-24 15:55
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		1310	26.6	80.0	mg/L		200	TXT1	08/24/24	1617	2661842	1
Chloride		5.28	0.0670	0.200	mg/L		1	TXT1	08/24/24	0130	2661842	2
Fluoride	J	0.0693	0.0330	0.100	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1352	2661692	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Boron		0.693	0.0260	0.0750	mg/L	1.00	5	BAJ	09/04/24	1321	2661579	4
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	BAJ	09/03/24	2146	2661579	5
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	J	0.00219	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0298	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	J	0.000451	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00199	0.000300	0.00100	mg/L	1.00	1					
Iron		1.06	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0165	0.00300	0.0100	mg/L	1.00	1					
Manganese		0.522	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000218	0.000200	0.00100	mg/L	1.00	1					
Potassium		11.4	0.0800	0.300	mg/L	1.00	1					
Selenium	J	0.00323	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		28.7	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		315	0.800	2.00	mg/L	1.00	10	BAJ	09/04/24	1332	2661579	6
Magnesium		146	0.0500	0.150	mg/L	1.00	5	BAJ	09/03/24	2149	2661579	7
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.0320	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1229	2661629	8
Solids Analysis												
SM2540C Dissolved Solids "As Received"												

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-ARAMW-4 Project: GPCC00100
Sample ID: 682329011 Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1860	23.8	100	mg/L			KLP1	08/28/24	1532	2663924	9
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		50.6	0.725	2.00	mg/L			JW2	08/22/24	1704	2661505	10
Bicarbonate alkalinity (CaCO3)		50.6	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	EPA 353.2 Low Level	
9	SM 2540C	
10	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-AP3-EB-04
Sample ID: 682329012
Matrix: WQ
Collect Date: 21-AUG-24 14:30
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	TXT1	08/24/24	0304	2661842	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1354	2661692	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	09/03/24	2152	2661579	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1254	2661579	4
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite	U	ND	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1239	2661629	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691

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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP3-EB-04	Project:	GPCC00100
Sample ID:	682329012	Client ID:	GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	EPA 353.2 Low Level	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP3-FD-04	Project:	GPCC00100
Sample ID:	682329013	Client ID:	GPCC001
Matrix:	WQ		
Collect Date:	21-AUG-24 12:00		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.76	0.0670	0.200	mg/L		1	TXT1	08/24/24	0335	2661842	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		366	6.65	20.0	mg/L		50	TXT1	08/24/24	1648	2661842	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1355	2661692	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Calcium		71.5	0.400	1.00	mg/L	1.00	5	BAJ	09/03/24	2200	2661579	4
Boron		0.467	0.0260	0.0750	mg/L	1.00	5	BAJ	09/04/24	1322	2661579	5
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	09/03/24	2157	2661579	6
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0350	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00456	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.547	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1241	2661629	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		600	2.38	10.0	mg/L			KLP1	08/28/24	1532	2663924	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691

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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP3-FD-04	Project:	GPCC00100
Sample ID:	682329013	Client ID:	GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	EPA 353.2 Low Level	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP3-FB-04	Project:	GPCC00100
Sample ID:	682329014	Client ID:	GPCC001
Matrix:	WQ		
Collect Date:	21-AUG-24 15:15		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	TXT1	08/24/24	0407	2661842	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1357	2661692	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	09/03/24	2209	2661579	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1305	2661579	4
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite	U	ND	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1242	2661629	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			KLP1	08/28/24	1517	2663923	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578

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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP3-FB-04	Project:	GPCC00100
Sample ID:	682329014	Client ID:	GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	EPA 353.2 Low Level	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP3-EB-05	Project:	GPCC00100
Sample ID:	682329015	Client ID:	GPCC001
Matrix:	WQ		
Collect Date:	21-AUG-24 14:55		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	TXT1	08/24/24	0438	2661842	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1358	2661692	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1306	2661579	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	09/03/24	2214	2661579	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite	U	ND	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1244	2661629	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			KLP1	08/28/24	1517	2663923	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691

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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP3-EB-05	Project:	GPCC00100
Sample ID:	682329015	Client ID:	GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	EPA 353.2 Low Level	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID: ARK-AP3-FD-05
Sample ID: 682329016
Matrix: WQ
Collect Date: 21-AUG-24 12:00
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.98	0.0670	0.200	mg/L		1	TXT1	08/24/24	0509	2661842	1
Fluoride	J	0.0390	0.0330	0.100	mg/L		1					
Sulfate		1.43	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1400	2661692	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	09/03/24	2220	2661579	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0322	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		4.36	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00673	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	J	0.00696	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1307	2661579	4
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite		0.696	0.0140	0.0400	mg/L		2	JLD1	08/23/24	1245	2661629	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		76.0	2.38	10.0	mg/L			KLP1	08/28/24	1517	2663923	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578

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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP3-FD-05	Project:	GPCC00100
Sample ID:	682329016	Client ID:	GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	EPA 353.2 Low Level	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP3-FB-05	Project:	GPCC00100
Sample ID:	682329017	Client ID:	GPCC001
Matrix:	WQ		
Collect Date:	21-AUG-24 11:20		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	TXT1	08/24/24	0541	2661842	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/26/24	1402	2661692	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	09/03/24	2225	2661579	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	BAJ	09/04/24	1308	2661579	4
Nutrient Analysis												
EPA 353.2 Nitrogen, Nitrate/Nitrite "As Received"												
Nitrogen, Nitrate/Nitrite	U	ND	0.00700	0.0200	mg/L		1	JLD1	08/23/24	1247	2661629	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	J	8.00	2.38	10.0	mg/L			KLP1	08/28/24	1517	2663923	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661578
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	08/23/24	1030	2661691

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-AP3-FB-05	Project:	GPCC00100
Sample ID:	682329017	Client ID:	GPCC001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	EPA 353.2 Low Level	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: September 6, 2024

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **682329**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2661842										
QC1205832634 682138001 DUP										
Chloride		2.66		2.69	mg/L	1.03		(0%-20%)	TXT1	08/23/24 16:05
Fluoride	J	0.0574	J	0.0627	mg/L	8.83	^	(+/-0.100)		
Sulfate		0.406		0.407	mg/L	0.197	^	(+/-0.400)		
QC1205832636 682329008 DUP										
Chloride		5.71		5.75	mg/L	0.591		(0%-20%)		08/23/24 23:24
Fluoride	U	ND	U	ND	mg/L	N/A				
Sulfate		350		361	mg/L	3.12		(0%-20%)		08/24/24 14:11
QC1205832633 LCS										
Chloride	5.00			4.68	mg/L		93.5	(90%-110%)		08/23/24 15:02
Fluoride	2.50			2.40	mg/L		95.9	(90%-110%)		
Sulfate	10.0			9.42	mg/L		94.2	(90%-110%)		
QC1205832632 MB										
Chloride			U	ND	mg/L					08/23/24 14:31
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					

QC Summary

Workorder: **682329**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2661842											
QC1205832635 682138001 PS											
Chloride	5.00		2.66		7.58	mg/L		98.5	(90%-110%)	TXT1	08/23/24 16:36
Fluoride	2.50	J	0.0574		2.60	mg/L		102	(90%-110%)		
Sulfate	10.0		0.406		9.50	mg/L		90.9	(90%-110%)		
QC1205832637 682329008 PS											
Chloride	5.00		5.71		11.1	mg/L		108	(90%-110%)		08/23/24 23:55
Fluoride	2.50	U	ND		2.60	mg/L		103	(90%-110%)		
Sulfate	10.0		6.99		16.7	mg/L		97.3	(90%-110%)		08/24/24 14:43
Metals Analysis - ICPMS											
Batch 2661579											
QC1205831981 LCS											
Aluminum	2.00				1.95	mg/L		97.5	(80%-120%)	BAJ	09/03/24 19:55
Antimony	0.0500				0.0500	mg/L		100	(80%-120%)		
Arsenic	0.0500				0.0506	mg/L		101	(80%-120%)		
Barium	0.0500				0.0495	mg/L		98.9	(80%-120%)		
Beryllium	0.0500				0.0561	mg/L		112	(80%-120%)		
Boron	0.100				0.111	mg/L		111	(80%-120%)		09/04/24 12:47
Cadmium	0.0500				0.0503	mg/L		101	(80%-120%)		09/03/24 19:55

QC Summary

Workorder: **682329**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch 2661579											
Calcium	2.00			2.08	mg/L		104	(80%-120%)	BAJ	09/03/24	19:55
Chromium	0.0500			0.0496	mg/L		99.1	(80%-120%)			
Cobalt	0.0500			0.0499	mg/L		99.8	(80%-120%)			
Iron	2.00			1.99	mg/L		99.7	(80%-120%)			
Lead	0.0500			0.0502	mg/L		100	(80%-120%)			
Lithium	0.0500			0.0543	mg/L		109	(80%-120%)			
Magnesium	2.00			2.07	mg/L		104	(80%-120%)			
Manganese	0.0500			0.0496	mg/L		99.1	(80%-120%)			
Molybdenum	0.0500			0.0500	mg/L		100	(80%-120%)			
Potassium	2.00			2.00	mg/L		100	(80%-120%)			
Selenium	0.0500			0.0513	mg/L		103	(80%-120%)			
Silver	0.0500			0.0511	mg/L		102	(80%-120%)			
Sodium	2.00			2.11	mg/L		106	(80%-120%)			
Thallium	0.0500			0.0478	mg/L		95.6	(80%-120%)			

QC Summary

Workorder: **682329**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2661579										
QC1205831980 MB										
Aluminum			U	ND	mg/L				BAJ	09/03/24 19:52
Antimony			U	ND	mg/L					
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					09/04/24 12:46
Cadmium			U	ND	mg/L					09/03/24 19:52
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					

QC Summary

Workorder: **682329**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2661579											
Manganese				U	ND	mg/L				BAJ	09/03/24 19:52
Molybdenum				U	ND	mg/L					
Potassium				U	ND	mg/L					
Selenium				U	ND	mg/L					
Silver				U	ND	mg/L					
Sodium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1205831982 682329001 MS											
Aluminum	2.00	U	ND		2.01	mg/L		99.9	(75%-125%)		09/03/24 20:07
Antimony	0.0500	U	ND		0.0507	mg/L		101	(75%-125%)		
Arsenic	0.0500	U	ND		0.0517	mg/L		103	(75%-125%)		
Barium	0.0500		0.0756		0.125	mg/L		98.6	(75%-125%)		
Beryllium	0.0500	U	ND		0.0564	mg/L		113	(75%-125%)		
Boron	0.100	J	0.00762		0.123	mg/L		116	(75%-125%)		09/04/24 12:49
Cadmium	0.0500	U	ND		0.0515	mg/L		103	(75%-125%)		09/03/24 20:07

QC Summary

Workorder: **682329**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2661579												
Calcium	2.00		16.4		18.5	mg/L		N/A	(75%-125%)	BAJ	09/03/24	20:07
Chromium	0.0500	U	ND		0.0516	mg/L		101	(75%-125%)			
Cobalt	0.0500	U	ND		0.0508	mg/L		102	(75%-125%)			
Iron	2.00	U	ND		2.03	mg/L		100	(75%-125%)			
Lead	0.0500	U	ND		0.0489	mg/L		97.9	(75%-125%)			
Lithium	0.0500	U	ND		0.0561	mg/L		110	(75%-125%)			
Magnesium	2.00		6.45		8.49	mg/L		102	(75%-125%)			
Manganese	0.0500	J	0.00296		0.0543	mg/L		103	(75%-125%)			
Molybdenum	0.0500	U	ND		0.0525	mg/L		105	(75%-125%)			
Potassium	2.00		1.58		3.66	mg/L		104	(75%-125%)			
Selenium	0.0500	U	ND		0.0523	mg/L		104	(75%-125%)			
Silver	0.0500	U	ND		0.0517	mg/L		103	(75%-125%)			
Sodium	2.00		12.7		14.8	mg/L		N/A	(75%-125%)			
Thallium	0.0500	U	ND		0.0472	mg/L		94.3	(75%-125%)			

QC Summary

Workorder: **682329**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2661579												
QC1205831983 682329001 MSD												
Aluminum	2.00	U	ND		2.00	mg/L	0.406	99.5	(0%-20%)	BAJ	09/03/24	20:09
Antimony	0.0500	U	ND		0.0517	mg/L	1.97	103	(0%-20%)			
Arsenic	0.0500	U	ND		0.0513	mg/L	0.82	102	(0%-20%)			
Barium	0.0500		0.0756		0.127	mg/L	1.95	103	(0%-20%)			
Beryllium	0.0500	U	ND		0.0564	mg/L	0.0372	113	(0%-20%)			
Boron	0.100	J	0.00762		0.127	mg/L	2.81	119	(0%-20%)		09/04/24	12:50
Cadmium	0.0500	U	ND		0.0524	mg/L	1.68	105	(0%-20%)		09/03/24	20:09
Calcium	2.00		16.4		18.6	mg/L	0.666	N/A	(0%-20%)			
Chromium	0.0500	U	ND		0.0518	mg/L	0.42	102	(0%-20%)			
Cobalt	0.0500	U	ND		0.0508	mg/L	0.00985	102	(0%-20%)			
Iron	2.00	U	ND		2.04	mg/L	0.438	101	(0%-20%)			
Lead	0.0500	U	ND		0.0498	mg/L	1.64	99.5	(0%-20%)			
Lithium	0.0500	U	ND		0.0565	mg/L	0.721	111	(0%-20%)			
Magnesium	2.00		6.45		8.50	mg/L	0.0811	102	(0%-20%)			

QC Summary

Workorder: **682329**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2661579												
Manganese	0.0500	J	0.00296		0.0529	mg/L	2.55	100	(0%-20%)	BAJ	09/03/24	20:09
Molybdenum	0.0500	U	ND		0.0529	mg/L	0.726	106	(0%-20%)			
Potassium	2.00		1.58		3.67	mg/L	0.146	104	(0%-20%)			
Selenium	0.0500	U	ND		0.0520	mg/L	0.56	103	(0%-20%)			
Silver	0.0500	U	ND		0.0517	mg/L	0.0735	103	(0%-20%)			
Sodium	2.00		12.7		14.7	mg/L	0.74	N/A	(0%-20%)			
Thallium	0.0500	U	ND		0.0475	mg/L	0.805	95.1	(0%-20%)			
QC1205831984 682329001 SDILT												
Aluminum		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/03/24	20:15
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Barium			75.6		15.8	ug/L	4.74		(0%-20%)			
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Boron		J	7.62	U	ND	ug/L	N/A		(0%-20%)		09/04/24	12:52
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/03/24	20:15

QC Summary

Workorder: **682329**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2661579										
Calcium		16400		3400	ug/L	3.84		(0%-20%)	BAJ	09/03/24 20:15
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Cobalt	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Iron	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		6450		1310	ug/L	1.77		(0%-20%)		
Manganese	J	2.96	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Potassium		1580		318	ug/L	.315		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Silver	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		12700		2550	ug/L	.536		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **682329**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis-Mercury										
Batch 2661692										
QC1205832230 682203002 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	08/26/24 13:19
QC1205832229 LCS										
Mercury	0.00200			0.00192	mg/L		96	(80%-120%)		08/26/24 13:16
QC1205832228 MB										
Mercury			U	ND	mg/L					08/26/24 13:14
QC1205832231 682203002 MS										
Mercury	0.00200 U	ND		0.00194	mg/L		97	(75%-125%)		08/26/24 13:21
QC1205832232 682203002 SDILT										
Mercury	U	ND	U	ND	ug/L	N/A		(0%-10%)		08/26/24 13:22
Nutrient Analysis										
Batch 2661629										
QC1205832104 682138001 DUP										
Nitrogen, Nitrate/Nitrite		0.297		0.297	mg/L	0		(0%-20%)	JLD1	08/23/24 11:56
QC1205832106 682329008 DUP										
Nitrogen, Nitrate/Nitrite		0.549		0.550	mg/L	0.182		(0%-20%)		08/23/24 12:23
QC1205832103 LCS										
Nitrogen, Nitrate/Nitrite	1.00			1.01	mg/L		101	(90%-110%)		08/23/24 11:53
QC1205832102 MB										
Nitrogen, Nitrate/Nitrite			U	ND	mg/L					08/23/24 11:51
QC1205832105 682138001 PS										
Nitrogen, Nitrate/Nitrite	1.00	0.297		1.29	mg/L		99.4	(90%-110%)		08/23/24 11:57

QC Summary

Workorder: **682329**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Nutrient Analysis										
Batch 2661629										
QC1205832107 682329008 PS										
Nitrogen, Nitrate/Nitrite	1.00	0.549		1.57	mg/L		102	(90%-110%)	JLD1	08/23/24 12:24
Solids Analysis										
Batch 2663923										
QC1205837529 682145009 DUP										
Total Dissolved Solids		236		230	mg/L	2.58		(0%-5%)	KLP1	08/28/24 15:17
QC1205837528 LCS										
Total Dissolved Solids	300			306	mg/L		102	(95%-105%)		08/28/24 15:17
QC1205837527 MB										
Total Dissolved Solids			U	ND	mg/L					08/28/24 15:17
Batch 2663924										
QC1205837534 682329009 DUP										
Total Dissolved Solids		235		223	mg/L	5.24 *		(0%-5%)	KLP1	08/28/24 15:32
QC1205837532 LCS										
Total Dissolved Solids	300			295	mg/L		98.3	(95%-105%)		08/28/24 15:32
QC1205837531 MB										
Total Dissolved Solids			U	ND	mg/L					08/28/24 15:32
Titration and Ion Analysis										
Batch 2661505										
QC1205831761 LCS										
Alkalinity, Total as CaCO3	50.0			53.8	mg/L		108	(90%-110%)	JW2	08/22/24 16:44
QC1205831762 LCS										
Alkalinity, Total as CaCO3	15.0			15.0	mg/L		100	(90%-110%)		08/22/24 16:46

QC Summary

Workorder: **682329**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Titration and Ion Analysis											
Batch 2661505											
QC1205831763 LCSD											
Alkalinity, Total as CaCO3	50.0			53.4	mg/L	0.746	107	(0%-20%)	JW2	08/22/24	16:45
QC1205831764 LCSD											
Alkalinity, Total as CaCO3	15.0			15.4	mg/L	2.63	103	(0%-20%)		08/22/24	16:47

Notes:

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes

QC Summary

Workorder: **682329**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

J See case narrative for an explanation

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 682329

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 36
Analytical Batch: 2661579

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2661578

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682329001	ARK-ARGWA-5
682329002	ARK-ARGWA-13
682329003	ARK-ARGWC-7
682329004	ARK-ARGWC-8
682329005	ARK-ARGWC-9
682329006	ARK-ARGWC-10
682329007	ARK-ARGWC-15
682329008	ARK-ARGWC-16
682329009	ARK-ARGWC-17
682329010	ARK-ARGWC-18
682329011	ARK-ARAMW-4
682329012	ARK-AP3-EB-04
682329013	ARK-AP3-FD-04
682329014	ARK-AP3-FB-04
682329015	ARK-AP3-EB-05
682329016	ARK-AP3-FD-05
682329017	ARK-AP3-FB-05
1205831980	Method Blank (MB)**ICP-MS**
1205831981	Laboratory Control Sample (LCS)
1205831984	682329001(ARK-ARGWA-5L) Serial Dilution (SD)
1205831982	682329001(ARK-ARGWA-5S) Matrix Spike (MS)
1205831983	682329001(ARK-ARGWA-5SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 682329002 (ARK-ARGWA-13), 682329004 (ARK-ARGWC-8), 682329008 (ARK-ARGWC-16), 682329009 (ARK-ARGWC-17), 682329010 (ARK-ARGWC-18), 682329011 (ARK-ARAMW-4) and 682329013 (ARK-AP3-FD-04) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	682329						
	002	**004**	**008**	**009**	**010**	**011**	**013**
Boron	10X	10X	5X	1X	25X	5X	5X
Calcium	5X	1X	5X	1X	1X	10X	5X
Magnesium	5X	1X	1X	1X	1X	5X	
Manganese	1X	1X	1X	5X	1X	1X	

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 40
Analytical Batch: 2661692

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 40
Preparation Batch: 2661691

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682329001	ARK-ARGWA-5
682329002	ARK-ARGWA-13
682329003	ARK-ARGWC-7
682329004	ARK-ARGWC-8
682329005	ARK-ARGWC-9
682329006	ARK-ARGWC-10
682329007	ARK-ARGWC-15
682329008	ARK-ARGWC-16
682329009	ARK-ARGWC-17
682329010	ARK-ARGWC-18
682329011	ARK-ARAMW-4
682329012	ARK-AP3-EB-04
682329013	ARK-AP3-FD-04
682329014	ARK-AP3-FB-04
682329015	ARK-AP3-EB-05
682329016	ARK-AP3-FD-05
682329017	ARK-AP3-FB-05
1205832228	Method Blank (MB)**CVAA**
1205832229	Laboratory Control Sample (LCS)
1205832232	682203002(NonSDGL) Serial Dilution (SD)
1205832230	682203002(NonSDGD) Sample Duplicate (DUP)
1205832231	682203002(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 35
Analytical Batch: 2661842

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682329001	ARK-ARGWA-5
682329002	ARK-ARGWA-13
682329003	ARK-ARGWC-7
682329004	ARK-ARGWC-8
682329005	ARK-ARGWC-9
682329006	ARK-ARGWC-10
682329007	ARK-ARGWC-15
682329008	ARK-ARGWC-16
682329009	ARK-ARGWC-17
682329010	ARK-ARGWC-18
682329011	ARK-ARAMW-4
682329012	ARK-AP3-EB-04
682329013	ARK-AP3-FD-04
682329014	ARK-AP3-FB-04
682329015	ARK-AP3-EB-05
682329016	ARK-AP3-FD-05
682329017	ARK-AP3-FB-05
1205832632	Method Blank (MB)
1205832633	Laboratory Control Sample (LCS)
1205832634	682138001(ARK-ARGWA-3) Sample Duplicate (DUP)
1205832635	682138001(ARK-ARGWA-3) Post Spike (PS)
1205832636	682329008(ARK-ARGWC-16) Sample Duplicate (DUP)
1205832637	682329008(ARK-ARGWC-16) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 1205832636 (ARK-ARGWC-16DUP), 1205832637 (ARK-ARGWC-16PS), 682329001

(ARK-ARGWA-5), 682329002 (ARK-ARGWA-13), 682329003 (ARK-ARGWC-7), 682329004 (ARK-ARGWC-8), 682329008 (ARK-ARGWC-16), 682329009 (ARK-ARGWC-17), 682329010 (ARK-ARGWC-18), 682329011 (ARK-ARAMW-4) and 682329013 (ARK-AP3-FD-04) were diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	682329								
	001	**002**	**003**	**004**	**008**	**009**	**010**	**011**	**013**
Chloride	4X	1X	1X	1X	1X	1X	1X	1X	1X
Sulfate	1X	100X	4X	5X	50X	10X	20X	200X	50X

Miscellaneous Information

Manual Integrations
Samples 1205832634 (ARK-ARGWA-3DUP), 1205832636 (ARK-ARGWC-16DUP), 682329001 (ARK-ARGWA-5), 682329002 (ARK-ARGWA-13), 682329004 (ARK-ARGWC-8), 682329005 (ARK-ARGWC-9), 682329006 (ARK-ARGWC-10), 682329007 (ARK-ARGWC-15), 682329008 (ARK-ARGWC-16), 682329010 (ARK-ARGWC-18) and 682329016 (ARK-AP3-FD-05) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Nitrate/Nitrite Cad Redux Low Level**
Analytical Method: EPA 353.2 Low Level
Analytical Procedure: GL-GC-E-128 REV# 15
Analytical Batch: 2661629

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682329001	ARK-ARGWA-5
682329002	ARK-ARGWA-13
682329003	ARK-ARGWC-7
682329004	ARK-ARGWC-8
682329005	ARK-ARGWC-9
682329006	ARK-ARGWC-10
682329007	ARK-ARGWC-15
682329008	ARK-ARGWC-16
682329009	ARK-ARGWC-17
682329010	ARK-ARGWC-18
682329011	ARK-ARAMW-4
682329012	ARK-AP3-EB-04
682329013	ARK-AP3-FD-04
682329014	ARK-AP3-FB-04
682329015	ARK-AP3-EB-05
682329016	ARK-AP3-FD-05
682329017	ARK-AP3-FB-05
1205832102	Method Blank (MB)
1205832103	Laboratory Control Sample (LCS)
1205832104	682138001(ARK-ARGWA-3) Sample Duplicate (DUP)
1205832105	682138001(ARK-ARGWA-3) Post Spike (PS)
1205832106	682329008(ARK-ARGWC-16) Sample Duplicate (DUP)
1205832107	682329008(ARK-ARGWC-16) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 682329001 (ARK-ARGWA-5), 682329002 (ARK-ARGWA-13), 682329007 (ARK-ARGWC-15) and 682329016 (ARK-AP3-FD-05) were diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	682329			
	001	002	007	016
Nitrogen, Nitrate/Nitrite	2X	2X	2X	2X

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 21
Analytical Batch: 2663923

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682329014	ARK-AP3-FB-04
682329015	ARK-AP3-EB-05
682329016	ARK-AP3-FD-05
682329017	ARK-AP3-FB-05
1205837527	Method Blank (MB)
1205837528	Laboratory Control Sample (LCS)
1205837529	682145009(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 21
Analytical Batch: 2663924

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682329001	ARK-ARGWA-5
682329002	ARK-ARGWA-13
682329003	ARK-ARGWC-7
682329004	ARK-ARGWC-8
682329005	ARK-ARGWC-9
682329006	ARK-ARGWC-10
682329007	ARK-ARGWC-15
682329008	ARK-ARGWC-16
682329009	ARK-ARGWC-17
682329010	ARK-ARGWC-18
682329011	ARK-ARAMW-4
682329012	ARK-AP3-EB-04
682329013	ARK-AP3-FD-04
1205837531	Method Blank (MB)
1205837532	Laboratory Control Sample (LCS)
1205837534	682329009(ARK-ARGWC-17) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplicate Relative Percent Difference (RPD) Statement
The Relative Percent Difference (RPD) between the sample and duplicate falls outside of the established acceptance limits because of the heterogeneous matrix of the sample:

Analyte	Sample	Value
Total Dissolved Solids	1205837534 (ARK-ARGWC-17DUP)	5.24* (0%-5%)

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to historical information. 682329011 (ARK-ARAMW-4).

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 16
Analytical Batch: 2661505

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682329001	ARK-ARGWA-5
682329002	ARK-ARGWA-13
682329003	ARK-ARGWC-7

682329004	ARK-ARGWC-8
682329005	ARK-ARGWC-9
682329006	ARK-ARGWC-10
682329007	ARK-ARGWC-15
682329008	ARK-ARGWC-16
682329009	ARK-ARGWC-17
682329010	ARK-ARGWC-18
682329011	ARK-ARAMW-4
1205831761	Laboratory Control Sample (LCS)
1205831762	Laboratory Control Sample (LCS)
1205831763	Laboratory Control Sample Duplicate (LCSD)
1205831764	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Laboratory Control Sample Duplicate (LCSD)
An LCSD was used in place of matrix QC due to limited sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 8 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

6823229

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Mack, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-5	08-21-24	0940	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWA-13	08-21-24	1105	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-7	08-21-24	1600	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-8	08-21-24	1530	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-9	08-21-24	1325	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-10	08-21-24	1425	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-15	08-21-24	1115	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-16	08-21-24	1125	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-17	08-21-24	1345	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-18	08-21-24	1345	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 1525
3						

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ____ *°C*

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

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7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
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Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 56 of 60 SDG 6823229

Page: 2 of 2
Project # 175569434
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COC Number [1]: 8 Sample Cooler(s): 6
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Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)	Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARAMW-4	08-21-24	1555	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-AP3-EB-04	08-21-24	1430	EB	N	WQ			7		X		X	X	X	X	X			X		
ARK-AP3-FD-04	08-21-24	NA	FD	N	WQ			7		X		X	X	X	X	X			X		
ARK-AP3-FB-04	08-21-24	1515	FB	N	WQ			7		X		X	X	X	X	X			X		
ARK-AP3-EB-05	08-21-24	1455	EB	N	WQ			7		X		X	X	X	X	X			X		
ARK-AP3-FD-05	08-21-24	NA	FD	N	WQ			7		X		X	X	X	X	X			X		
ARK-AP3-FB-05	08-21-24	1120	FB	N	WQ			7		X		X	X	X	X	X			X		

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	[signature]	Stantec	8/22/24	[signature]		8/22/24
2				[signature]		8/22/24 1525
3						

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

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(F,K,P and U-listed wastes.)
Waste code(s):

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(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 60 of 66 SDG 680329

Page: 1 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 8 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

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Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 1820
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

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(F,K,P and U-listed wastes.)
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Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 61 of 66 SDG 660229

Page: 2 of 2
Project # 175569434
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GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

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Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARGWA-5	08-21-24	0940	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWA-13	08-21-24	1105	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-7	08-21-24	1600	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-8	08-21-24	1530	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-9	08-21-24	1325	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-10	08-21-24	1425	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-15	08-21-24	1115	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-16	08-21-24	1125	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-17	08-21-24	1345	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-18	08-21-24	1345	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/21/24	1		8/22/24 8/22/24
2				2		
3				3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 93 of 96 SDG 683329

Page 94 of 166 SDG 683329

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 8 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Mills, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARAMW-4	08-21-24	1555	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-AP3-EB-04	08-21-24	1430	EB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FD-04	08-21-24	NA	FD	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FB-04	08-21-24	1515	FB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-EB-05	08-21-24	1455	EB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FD-05	08-21-24	NA	FD	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FB-05	08-21-24	1120	FB	N	WQ			7		X		X	X	X	X	X			X	

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24	1		8/22/24
2				2	LT	8/22/24 1525
3				3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

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7.) **KNOWN OR POSSIBLE HAZARDS**

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Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

682329

Client: GPCC	SDG/AR/COC/Work Order:
Received By: QG	Date Received: 8/22/24
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other

n/a

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:_____
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR1-23 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	✓			Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?				If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

Cooler 1 - 0 c
2 - 0 c
3 - 1 c
4 - 0 c
5 - 0 c
6 - 0 c
7 - 1 c
8 - 0 c

PM (or PMA) review: Initials HB Date 8/23/24 Page 1 of 1

List of current GEL Certifications as of 06 September 2024

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-41
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 19, 2024

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Relog: Radiochemistry
Work Order: 682332

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 22, 2024. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
682332001	ARK-ARGWA-5	Ground Water	08/21/24 09:40	08/22/24 15:00
682332002	ARK-ARGWA-13	Ground Water	08/21/24 11:05	08/22/24 15:00
682332003	ARK-ARGWC-7	Ground Water	08/21/24 16:00	08/22/24 15:00
682332004	ARK-ARGWC-8	Ground Water	08/21/24 15:30	08/22/24 15:00
682332005	ARK-ARGWC-9	Ground Water	08/21/24 13:25	08/22/24 15:00
682332006	ARK-ARGWC-10	Ground Water	08/21/24 14:25	08/22/24 15:00
682332007	ARK-ARGWC-15	Ground Water	08/21/24 11:15	08/22/24 15:00
682332008	ARK-ARGWC-16	Ground Water	08/21/24 11:25	08/22/24 15:00
682332009	ARK-ARGWC-17	Ground Water	08/21/24 13:45	08/22/24 15:00
682332010	ARK-ARGWC-18	Ground Water	08/21/24 13:45	08/22/24 15:00
682332011	ARK-ARAMW-4	Ground Water	08/21/24 15:55	08/22/24 15:00
682332012	ARK-AP3-EB-04	Water	08/21/24 14:30	08/22/24 15:00
682332013	ARK-AP3-FD-04	Water	08/21/24 12:00	08/22/24 15:00
682332014	ARK-AP3-FB-04	Water	08/21/24 15:15	08/22/24 15:00
682332015	ARK-AP3-EB-05	Water	08/21/24 14:55	08/22/24 15:00
682332016	ARK-AP3-FD-05	Water	08/21/24 12:00	08/22/24 15:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

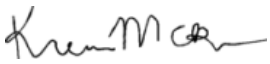
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	19-SEP-2024
EPA 903.1 Modified	18-SEP-2024
EPA 903.1 Modified	19-SEP-2024
EPA 904.0/SW846 9320 Modified	18-SEP-2024

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4443.

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Chain of Custody: 8
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC001 Georgia Power Company

Client SDG: 682332 GEL Work Order: 682332

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

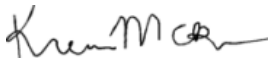
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 19, 2024

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWA-5
Sample ID: 682332001
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	-0.439	+/-1.02	2.05	+/-1.02	3.00	pCi/L			KP1	09/18/24	1237	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.59	+/-1.26	2.05	+/-1.38		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.59	+/-0.729	0.531	+/-0.921	1.00	pCi/L			MJ2	09/19/24	0808	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	83.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 19, 2024

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWA-13 Project: GPCC00100
Sample ID: 682332002 Client ID: GPCC001
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.145	+/-0.800	1.51	+/-0.801	3.00	pCi/L			KP1	09/18/24	1237	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.623	+/-0.868	1.51	+/-0.873		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.478	+/-0.338	0.374	+/-0.349	1.00	pCi/L			MJ2	09/19/24	0844	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	78.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 19, 2024

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWC-7
Sample ID: 682332003
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.03	+/-1.23	1.89	+/-1.34	3.00	pCi/L			KP1	09/18/24	1237	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.53	+/-1.28	1.89	+/-1.39		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.494	+/-0.329	0.373	+/-0.346	1.00	pCi/L			MJ2	09/19/24	0844	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	86.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: September 19, 2024

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWC-8
Sample ID: 682332004
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.366	+/-0.966	1.73	+/-0.971	3.00	pCi/L			KP1	09/18/24	1237	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.519	+/-0.990	1.73	+/-0.995		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.153	+/-0.216	0.357	+/-0.218	1.00	pCi/L			MJ2	09/19/24	0844	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	85.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWC-9 Project: GPCC00100
Sample ID: 682332005 Client ID: GPCC001
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.743	+/-0.799	1.32	+/-0.822	3.00	pCi/L			KP1	09/18/24	1237	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.25	+/-0.880	1.32	+/-0.908		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.503	+/-0.370	0.506	+/-0.386	1.00	pCi/L			MJ2	09/19/24	0844	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	82.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWC-10 Project: GPCC00100
Sample ID: 682332006 Client ID: GPCC001
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.696	+/-1.13	1.96	+/-1.14	3.00	pCi/L			KP1	09/18/24	1237	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.46	+/-1.21	1.96	+/-1.23		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.766	+/-0.437	0.358	+/-0.467	1.00	pCi/L			MJ2	09/19/24	0844	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	80.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWC-15 Project: GPCC00100
Sample ID: 682332007 Client ID: GPCC001
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	-0.376	+/-1.12	2.17	+/-1.12	3.00	pCi/L			KP1	09/18/24	1237	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.73	+/-1.27	2.17	+/-1.33		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.73	+/-0.601	0.517	+/-0.716	1.00	pCi/L			MJ2	09/19/24	0844	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	79.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWC-16
Sample ID: 682332008
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.707	+/-0.844	1.42	+/-0.864	3.00	pCi/L			KP1	09/18/24	1237	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.48	+/-0.985	1.42	+/-1.01		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.769	+/-0.508	0.648	+/-0.525	1.00	pCi/L			MJ2	09/19/24	0844	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	79.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWC-17
Sample ID: 682332009
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.23	+/-1.43	2.40	+/-1.46	3.00	pCi/L			KP1	09/18/24	1237	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.51	+/-1.53	2.40	+/-1.58		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.28	+/-0.555	0.483	+/-0.586	1.00	pCi/L			MJ2	09/19/24	0844	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	77.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARGWC-18
Sample ID: 682332010
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.44	+/-1.34	2.20	+/-1.39	3.00	pCi/L			KP1	09/18/24	1237	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.82	+/-1.37	2.20	+/-1.42		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.372	+/-0.304	0.394	+/-0.309	1.00	pCi/L			MJ2	09/19/24	0919	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	81.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-ARAMW-4
Sample ID: 682332011
Matrix: WG
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.30	+/-1.36	2.27	+/-1.40	3.00	pCi/L			KP1	09/18/24	1238	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.60	+/-1.40	2.27	+/-1.44		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.303	+/-0.300	0.437	+/-0.306	1.00	pCi/L			MJ2	09/19/24	0919	2661722	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	76.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-AP3-EB-04 Project: GPCC00100
Sample ID: 682332012 Client ID: GPCC001
Matrix: WQ
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.04	+/-0.913	1.46	+/-0.951	3.00	pCi/L			KP1	09/18/24	1238	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.23	+/-0.926	1.46	+/-0.964		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.196	+/-0.152	0.187	+/-0.157	1.00	pCi/L			MJ2	09/18/24	0753	2661723	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	77.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-AP3-FD-04 Project: GPCC00100
Sample ID: 682332013 Client ID: GPCC001
Matrix: WQ
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.12	+/-1.00	1.62	+/-1.04	3.00	pCi/L			KP1	09/18/24	1238	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.47	+/-1.05	1.62	+/-1.09		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.351	+/-0.303	0.472	+/-0.310	1.00	pCi/L			MJ2	09/18/24	0753	2661723	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	82	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: September 19, 2024

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-AP3-FB-04 Project: GPCC00100
Sample ID: 682332014 Client ID: GPCC001
Matrix: WQ
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.58	+/-1.54	2.54	+/-1.59	3.00	pCi/L			KP1	09/18/24	1507	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.93	+/-1.59	2.54	+/-1.67		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.35	+/-0.406	0.280	+/-0.499	1.00	pCi/L			MJ2	09/18/24	0753	2661723	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	77	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-AP3-EB-05 Project: GPCC00100
Sample ID: 682332015 Client ID: GPCC001
Matrix: WQ
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.404	+/-0.808	1.45	+/-0.815	3.00	pCi/L			KP1	09/18/24	1238	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.865	+/-0.850	1.45	+/-0.860		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.461	+/-0.263	0.295	+/-0.275	1.00	pCi/L			MJ2	09/18/24	0753	2661723	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	76.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 19, 2024

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-AP3-FD-05 Project: GPCC00100
Sample ID: 682332016 Client ID: GPCC001
Matrix: WQ
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.41	+/-0.997	1.53	+/-1.06	3.00	pCi/L			KP1	09/18/24	1238	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.88	+/-1.04	1.53	+/-1.11		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.465	+/-0.304	0.415	+/-0.316	1.00	pCi/L			MJ2	09/18/24	0753	2661723	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	79.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: September 19, 2024

Contact: Joju Abraham

Project: Arkwright CCR Groundwater ComplianceRelog: Radiochemistry

Client Sample ID: ARK-AP3-FB-05
Sample ID: 682332017
Matrix: WQ
Collect Date: 21-AUG-24
Receive Date: 22-AUG-24
Collector: Client

Project: GPCC00100
Client ID: GPCC001

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.281	+/-0.667	1.23	+/-0.670	3.00	pCi/L			KP1	09/18/24	1238	2661779	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.546	+/-0.702	1.23	+/-0.708		pCi/L			NXL1	09/19/24	1433	2665120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.265	+/-0.221	0.327	+/-0.227	1.00	pCi/L			MJ2	09/18/24	0826	2661723	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2661779	81.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 682332

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2665120

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682332001	ARK-ARGWA-5
682332002	ARK-ARGWA-13
682332003	ARK-ARGWC-7
682332004	ARK-ARGWC-8
682332005	ARK-ARGWC-9
682332006	ARK-ARGWC-10
682332007	ARK-ARGWC-15
682332008	ARK-ARGWC-16
682332009	ARK-ARGWC-17
682332010	ARK-ARGWC-18
682332011	ARK-ARAMW-4
682332012	ARK-AP3-EB-04
682332013	ARK-AP3-FD-04
682332014	ARK-AP3-FB-04
682332015	ARK-AP3-EB-05
682332016	ARK-AP3-FD-05
682332017	ARK-AP3-FB-05

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2661779

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682332001	ARK-ARGWA-5
682332002	ARK-ARGWA-13
682332003	ARK-ARGWC-7
682332004	ARK-ARGWC-8
682332005	ARK-ARGWC-9

682332006	ARK-ARGWC-10
682332007	ARK-ARGWC-15
682332008	ARK-ARGWC-16
682332009	ARK-ARGWC-17
682332010	ARK-ARGWC-18
682332011	ARK-ARAMW-4
682332012	ARK-AP3-EB-04
682332013	ARK-AP3-FD-04
682332014	ARK-AP3-FB-04
682332015	ARK-AP3-EB-05
682332016	ARK-AP3-FD-05
682332017	ARK-AP3-FB-05
1205832461	Method Blank (MB)
1205832462	682332001(ARK-ARGWA-5) Sample Duplicate (DUP)
1205832463	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts
Sample 682332014 (ARK-AP3-FB-04) was recounted to verify sample results. Recount is reported. Sample 1205832461 (MB) was recounted due to a suspected blank false positive. The recount is reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2661722

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682332001	ARK-ARGWA-5
682332002	ARK-ARGWA-13
682332003	ARK-ARGWC-7
682332004	ARK-ARGWC-8
682332005	ARK-ARGWC-9
682332006	ARK-ARGWC-10
682332007	ARK-ARGWC-15
682332008	ARK-ARGWC-16
682332009	ARK-ARGWC-17
682332010	ARK-ARGWC-18
682332011	ARK-ARAMW-4
1205832291	Method Blank (MB)
1205832292	682059007(NonSDG) Sample Duplicate (DUP)
1205832293	682059007(NonSDG) Matrix Spike (MS)
1205832294	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1205832293 (Non SDG 682059007MS), aliquot was reduced to conserve sample volume.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2661723

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682332012	ARK-AP3-EB-04
682332013	ARK-AP3-FD-04
682332014	ARK-AP3-FB-04
682332015	ARK-AP3-EB-05
682332016	ARK-AP3-FD-05
682332017	ARK-AP3-FB-05
1205832298	Method Blank (MB)
1205832299	681548001(NonSDG) Sample Duplicate (DUP)
1205832300	681548001(NonSDG) Matrix Spike (MS)
1205832301	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between QC Sample and Duplicate Sample
The Sample and the Duplicate, (See Below), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with the value listed below.

Sample	Analyte	Value
1205832299 (Non SDG 681548001DUP)	Radium-226	RPD 32.2* (0.00%-20.00%) RER 1.25 (0-3)

Miscellaneous Information

Additional Comments
The matrix spike, 1205832300 (Non SDG 681548001MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

QC Summary

Client : **Georgia Power Company, Southern Company**
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **682332**

Report Date: September 19, 2024

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2661779										
QC1205832462 682332001 DUP										
Radium-228	U	-0.439	U	0.722	pCi/L	0		N/A	KP1	09/18/2412:38
	Uncert:	+/-1.02		+/-1.15						
	TPU:	+/-1.02		+/-1.17						
QC1205832463 LCS										
Radium-228	69.2			75.3	pCi/L		109	(75%-125%)	KP1	09/18/2412:38
	Uncert:			+/-4.20						
	TPU:			+/-19.7						
QC1205832461 MB										
Radium-228			U	2.10	pCi/L				KP1	09/18/2415:07
	Uncert:			+/-1.40						
	TPU:			+/-1.50						
Rad Ra-226										
Batch 2661722										
QC1205832292 682059007 DUP										
Radium-226		0.654		0.666	pCi/L	1.82		(0% - 100%)	MJ2	09/19/2409:19
	Uncert:	+/-0.375		+/-0.384						
	TPU:	+/-0.399		+/-0.408						
QC1205832294 LCS										
Radium-226	27.1			22.8	pCi/L		84.1	(75%-125%)	MJ2	09/19/2409:19
	Uncert:			+/-2.00						
	TPU:			+/-4.73						
QC1205832291 MB										
Radium-226			U	0.372	pCi/L				MJ2	09/19/2409:19
	Uncert:			+/-0.365						
	TPU:			+/-0.369						
QC1205832293 682059007 MS										
Radium-226	123	0.654		112	pCi/L		90.5	(75%-125%)	MJ2	09/19/2409:19
	Uncert:	+/-0.375		+/-10.0						
	TPU:	+/-0.399		+/-19.2						
Batch 2661723										
QC1205832299 681548001 DUP										
Radium-226		1.18		1.64	pCi/L	32.2*		(0%-20%)	MJ2	09/18/2408:57
	Uncert:	+/-0.424		+/-0.416						
	TPU:	+/-0.494		+/-0.511						
QC1205832301 LCS										
Radium-226	27.3			29.7	pCi/L		109	(75%-125%)	MJ2	09/18/2408:57
	Uncert:			+/-1.76						
	TPU:			+/-5.83						
QC1205832298 MB										
Radium-226			U	0.385	pCi/L				MJ2	09/18/2408:57

QC Summary

Workorder: **682332**

Parmname		NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Ra-226											
Batch	2661723										
		Uncert:			+/-0.302						
		TPU:			+/-0.315						
QC1205832300	681548001 MS										
Radium-226		153	1.18		177	pCi/L		115	(75%-125%)	MJ2	09/18/2408:57
		Uncert:	+/-0.424		+/-10.8						
		TPU:	+/-0.494		+/-34.3						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
J	See case narrative for an explanation

QC Summary

Workorder: **682332**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page: 1 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 8 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

682332

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Mc, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)	Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-5	08-21-24	0940	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWA-13	08-21-24	1105	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-7	08-21-24	1600	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-8	08-21-24	1530	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-9	08-21-24	1325	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-10	08-21-24	1425	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-15	08-21-24	1115	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-16	08-21-24	1125	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-17	08-21-24	1345	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-18	08-21-24	1345	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 1525
3						

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ____ *°C*

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 29 of 39 SDG 682332

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 8 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Mays, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARAMW-4	08-21-24	1555	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-AP3-EB-04	08-21-24	1430	EB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FD-04	08-21-24	NA	FD	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FB-04	08-21-24	1515	FB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-EB-05	08-21-24	1455	EB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FD-05	08-21-24	NA	FD	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FB-05	08-21-24	1120	FB	N	WQ			7		X		X	X	X	X	X			X	

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	[signature]	Stantec	8/22/24	[signature]		8/22/24
2				[signature]		8/22/24 1525
3						

TAT Requested: **Normal:** X **Rush:** _____ **Specify:** _____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** _____ *°C*

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
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Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 30 of 33
SDG 668532

Page: 1 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 8 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Mc; Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)	Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-5	08-21-24	0940	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWA-13	08-21-24	1105	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-7	08-21-24	1600	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-8	08-21-24	1530	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-9	08-21-24	1325	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-10	08-21-24	1425	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-15	08-21-24	1115	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-16	08-21-24	1125	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-17	08-21-24	1345	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		
ARK-ARGWC-18	08-21-24	1345	N	N	WG			8	X	X	X	X	X	X	X	X	X		X		

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 1525
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
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Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 21 of 33 SDG 68332

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 8 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Myers, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARAMW-4	08-21-24	1555	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-AP3-EB-04	08-21-24	1430	EB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FD-04	08-21-24	NA	FD	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FB-04	08-21-24	1515	FB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-EB-05	08-21-24	1455	EB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FD-05	08-21-24	NA	FD	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FB-05	08-21-24	1120	FB	N	WQ			7		X		X	X	X	X	X			X	

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	[signature]	Stantec	8/22/24	[signature]		8/22/24
2				[signature]		8/22/24 1525
3						

TAT Requested: **Normal:** X **Rush:** _____ **Specify:** _____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

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As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
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Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 32 of 36 SDG 60232332

Page: 1 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 8 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Mayr, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. D) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-5	08-21-24	0940	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWA-13	08-21-24	1105	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-7	08-21-24	1600	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-ARGWC-8	08-21-24	1530	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
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ARK-ARGWC-17	08-21-24	1345	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
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Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 1545
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

***Sample Collection Time Zone*:** [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

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TSCA Regulated
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Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
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Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 8 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Myers, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARAMW-4	08-21-24	1555	N	N	WG			8	X	X	X	X	X	X	X	X	X		X	
ARK-AP3-EB-04	08-21-24	1430	EB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FD-04	08-21-24	NA	FD	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FB-04	08-21-24	1515	FB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-EB-05	08-21-24	1455	EB	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FD-05	08-21-24	NA	FD	N	WQ			7		X		X	X	X	X	X			X	
ARK-AP3-FB-05	08-21-24	1120	FB	N	WQ			7		X		X	X	X	X	X			X	

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 1525
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR).***

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 241 of 332

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM 682332

Client: GPCC	SDG/AR/COC/Work Order:
Received By: QG	Date Received: 8/22/24
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other n/a

Suspected Hazard Information	Yes	No	
			*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM 7 mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	✓			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:_____
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR1-23 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?		✓		Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?		✓		If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

Cooler 1- 0°c
2- 0°c
3- 1°c
4- 0°c
5- 0°c
6- 0°c
7- 1°c
8- 0°c

PM (or PMA) review: Initials HB Date 8/23/24 Page 1 of 1

List of current GEL Certifications as of 19 September 2024

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-41
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

September 06, 2024

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance
Work Order: 682333

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 22, 2024. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
682333001	ARK-ARGWA-5	Ground Water	08/21/24 09:40	08/22/24 15:00
682333002	ARK-ARGWA-13	Ground Water	08/21/24 11:05	08/22/24 15:00
682333003	ARK-ARGWC-7	Ground Water	08/21/24 16:00	08/22/24 15:00
682333004	ARK-ARGWC-8	Ground Water	08/21/24 15:30	08/22/24 15:00
682333005	ARK-ARGWC-9	Ground Water	08/21/24 13:25	08/22/24 15:00
682333006	ARK-ARGWC-10	Ground Water	08/21/24 14:25	08/22/24 15:00
682333007	ARK-ARGWC-15	Ground Water	08/21/24 11:15	08/22/24 15:00
682333008	ARK-ARGWC-16	Ground Water	08/21/24 11:25	08/22/24 15:00
682333009	ARK-ARGWC-17	Ground Water	08/21/24 13:45	08/22/24 15:00
682333010	ARK-ARGWC-18	Ground Water	08/21/24 13:45	08/22/24 15:00
682333011	ARK-ARAMW-4	Ground Water	08/21/24 15:55	08/22/24 15:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

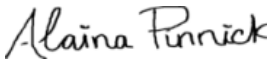
Method	Run Date ID
SW846 3005A	27-AUG-2024

Analysis Methods and Analysis Dates

Method	Run Date ID
SW846 3005A/6020B	31-AUG-2024

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4443.

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Chain of Custody: 8
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC001 Georgia Power Company

Client SDG: 682333 GEL Work Order: 682333

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWA-5	Project:	GPCC00100
Sample ID:	682333001	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 09:40		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1258	2661581	1
Manganese	J	0.00244	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWA-13	Project:	GPCC00100
Sample ID:	682333002	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 11:05		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1308	2661581	1
Manganese		0.00630	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-7	Project:	GPCC00100
Sample ID:	682333003	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 16:00		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1312	2661581	1
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-8	Project:	GPCC00100
Sample ID:	682333004	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 15:30		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1313	2661581	1
Manganese		0.339	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-9	Project:	GPCC00100
Sample ID:	682333005	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 13:25		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1315	2661581	1
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-10	Project:	GPCC00100
Sample ID:	682333006	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 14:25		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1316	2661581	1
Manganese	J	0.00171	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-15	Project:	GPCC00100
Sample ID:	682333007	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 11:15		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1318	2661581	1
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-16	Project:	GPCC00100
Sample ID:	682333008	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 11:25		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1319	2661581	1
Manganese		0.308	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-17	Project:	GPCC00100
Sample ID:	682333009	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 13:45		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Manganese		1.32	0.0100	0.0500	mg/L	1.00	10	BAJ	08/31/24	1327	2661581	1
Iron		0.137	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1323	2661581	2

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARGWC-18	Project:	GPCC00100
Sample ID:	682333010	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 13:45		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron		1.32	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1324	2661581	1
Manganese		0.903	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: September 6, 2024

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Compliance

Client Sample ID:	ARK-ARAMW-4	Project:	GPCC00100
Sample ID:	682333011	Client ID:	GPCC001
Matrix:	WG		
Collect Date:	21-AUG-24 15:55		
Receive Date:	22-AUG-24		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron		1.31	0.0330	0.100	mg/L	1.00	1	BAJ	08/31/24	1326	2661581	1
Manganese		0.547	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	08/27/24	1510	2661580

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: September 6, 2024

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **682333**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2661581												
QC1205831986 LCS												
Iron	2.00				2.02	mg/L		101	(80%-120%)	BAJ	08/31/24	12:57
Manganese	0.0500				0.0499	mg/L		99.8	(80%-120%)			
QC1205831985 MB												
Iron				U	ND	mg/L					08/31/24	12:55
Manganese				U	ND	mg/L						
QC1205831987 682333001 MS												
Iron	2.00	U	ND		1.97	mg/L		98	(75%-125%)		08/31/24	12:59
Manganese	0.0500	J	0.00244		0.0513	mg/L		97.6	(75%-125%)			
QC1205831988 682333001 MSD												
Iron	2.00	U	ND		2.01	mg/L	2.28	100	(0%-20%)		08/31/24	13:01
Manganese	0.0500	J	0.00244		0.0526	mg/L	2.51	100	(0%-20%)			
QC1205831989 682333001 SDILT												
Iron		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/31/24	13:03
Manganese		J	2.44	U	ND	ug/L	N/A		(0%-20%)			

Notes:

The Qualifiers in this report are defined as follows:

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J Value is estimated

QC Summary

Workorder: **682333**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
J	See case narrative for an explanation

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals
Technical Case Narrative
Georgia Power Company
SDG #: 682333

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 36
Analytical Batch: 2661581

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2661580

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
682333001	ARK-ARGWA-5
682333002	ARK-ARGWA-13
682333003	ARK-ARGWC-7
682333004	ARK-ARGWC-8
682333005	ARK-ARGWC-9
682333006	ARK-ARGWC-10
682333007	ARK-ARGWC-15
682333008	ARK-ARGWC-16
682333009	ARK-ARGWC-17
682333010	ARK-ARGWC-18
682333011	ARK-ARAMW-4
1205831985	Method Blank (MB)**ICP-MS**
1205831986	Laboratory Control Sample (LCS)
1205831989	682333001(ARK-ARGWA-5L) Serial Dilution (SD)
1205831987	682333001(ARK-ARGWA-5S) Matrix Spike (MS)
1205831988	682333001(ARK-ARGWA-5SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Sample 682333009 (ARK-ARGWC-17) was diluted to ensure that the analyte concentration was within the linear calibration range of the instrument.

Analyte	682333
	009
Manganese	10X

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page 2 of 33 SDG 682333

Page 1 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 9 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics
Chain of Custody and Analytical Request

GEL Work Order Number: ***GEL Project Manager: Alaina Pinnick***

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

682333

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Myers, Dylan Quintal — Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-5	08-21-24	0940	N	Y	WG			1										X		
ARK-ARGWA-13	08-21-24	1105	N	Y	WG			1										X		
ARK-ARGWC-7	08-21-24	1600	N	Y	WG			1										X		
ARK-ARGWC-8	08-21-24	1530	N	Y	WG			1										X		
ARK-ARGWC-9	08-21-24	1325	N	Y	WG			1										X		
ARK-ARGWC-10	08-21-24	1425	N	Y	WG			1										X		
ARK-ARGWC-15	08-21-24	1115	N	Y	WG			1										X		
ARK-ARGWC-16	08-21-24	1125	N	Y	WG			1										X		
ARK-ARGWC-17	08-21-24	1345	N	Y	WG			1										X		
ARK-ARGWC-18	08-21-24	1345	N	Y	WG			1										X		

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/2418:25
3						

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ____ °C

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 9 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Myer, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARAMW-4	08-21-24	1555	N	Y	WG			1										X		

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 1525
3						

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 15 of 33 SDG 680333

Page 1 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 9 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Myers, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	RAD 226-228 Cmbd	Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-5	08-21-24	0940	N	Y	WG			1										X		
ARK-ARGWA-13	08-21-24	1105	N	Y	WG			1										X		
ARK-ARGWC-7	08-21-24	1600	N	Y	WG			1										X		
ARK-ARGWC-8	08-21-24	1530	N	Y	WG			1										X		
ARK-ARGWC-9	08-21-24	1325	N	Y	WG			1										X		
ARK-ARGWC-10	08-21-24	1425	N	Y	WG			1										X		
ARK-ARGWC-15	08-21-24	1115	N	Y	WG			1										X		
ARK-ARGWC-16	08-21-24	1125	N	Y	WG			1										X		
ARK-ARGWC-17	08-21-24	1345	N	Y	WG			1										X		
ARK-ARGWC-18	08-21-24	1345	N	Y	WG			1										X		

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 1525
3				3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ○ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, N=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 22 of 33 SDG 68233

Page 23 of 33 SDG 660233

Page 2 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 9 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Myers, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARAMW-4	08-21-24	1555	N	Y	WG			1										X		

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24	1		8/22/24
2				2		8/22/24 1525
3				3		

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
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Cr = Chromium **MR**= Misc. RCRA metals
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Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 1 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 9 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics
Chain of Custody and Analytical Request

GEL Work Order Number: GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Myers, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-5	08-21-24	0940	N	Y	WG			1										X		
ARK-ARGWA-13	08-21-24	1105	N	Y	WG			1										X		
ARK-ARGWC-7	08-21-24	1600	N	Y	WG			1										X		
ARK-ARGWC-8	08-21-24	1530	N	Y	WG			1										X		
ARK-ARGWC-9	08-21-24	1325	N	Y	WG			1										X		
ARK-ARGWC-10	08-21-24	1425	N	Y	WG			1										X		
ARK-ARGWC-15	08-21-24	1115	N	Y	WG			1										X		
ARK-ARGWC-16	08-21-24	1125	N	Y	WG			1										X		
ARK-ARGWC-17	08-21-24	1345	N	Y	WG			1										X		
ARK-ARGWC-18	08-21-24	1345	N	Y	WG			1										X		

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/21/24			8/22/24
2						8/22/24 1525
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

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7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
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Characteristic Hazards
FL = Flammable/Ignitable
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RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 2 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 9 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Myers, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	NI Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARAMW-4	08-21-24	1555	N	Y	WG			1										X		

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	[signature]	Stantec	8/22/24	[signature]		8/22/24
2				[signature]		8/22/24 1528
3						

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ____ *°C*

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

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7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
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FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 25 of 33 SDG 680333

Page 1 of 2

Project # 175569434

GEL Quote #:

COC Number [1]: 9 Sample Cooler(s): 6

PO Number: GPC82177-0005

GEL Laboratories LLC

Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

GEL Work Order Number: ***GEL Project Manager: Alaina Pinnick***

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Myers, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID ** For composites - indicate start and stop date/time*	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARGWA-5	08-21-24	0940	N	Y	WG			1										X		
ARK-ARGWA-13	08-21-24	1105	N	Y	WG			1										X		
ARK-ARGWC-7	08-21-24	1600	N	Y	WG			1										X		
ARK-ARGWC-8	08-21-24	1530	N	Y	WG			1										X		
ARK-ARGWC-9	08-21-24	1325	N	Y	WG			1										X		
ARK-ARGWC-10	08-21-24	1425	N	Y	WG			1										X		
ARK-ARGWC-15	08-21-24	1115	N	Y	WG			1										X		
ARK-ARGWC-16	08-21-24	1125	N	Y	WG			1										X		
ARK-ARGWC-17	08-21-24	1345	N	Y	WG			1										X		
ARK-ARGWC-18	08-21-24	1345	N	Y	WG			1										X		

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	[signature]	Stantec	8/22/24	[signature]		8/22/24
2				[signature]		8/22/24 1525
3						

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** ___ °C

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

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FL = Flammable/Ignitable
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TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

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(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 266 of 333

Page 2 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 9 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: ***GEL Project Manager: Alaina Pinnick***

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Myer, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, F, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARAMW-4	08-21-24	1555	N	Y	WG			1										X		

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/23/24
2						8/28/24 1525
3						

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 76 of 333 SDG 680333

Page: 1 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 9 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

682333

Page 85 of 86 SDG 682333

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Zach Levy, John Myer, Dylan Quintal
Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARGWA-5	08-21-24	0940	N	Y	WG			1										X		
ARK-ARGWA-13	08-21-24	1105	N	Y	WG			1										X		
ARK-ARGWC-7	08-21-24	1600	N	Y	WG			1										X		
ARK-ARGWC-8	08-21-24	1530	N	Y	WG			1										X		
ARK-ARGWC-9	08-21-24	1325	N	Y	WG			1										X		
ARK-ARGWC-10	08-21-24	1425	N	Y	WG			1										X		
ARK-ARGWC-15	08-21-24	1115	N	Y	WG			1										X		
ARK-ARGWC-16	08-21-24	1125	N	Y	WG			1										X		
ARK-ARGWC-17	08-21-24	1345	N	Y	WG			1										X		
ARK-ARGWC-18	08-21-24	1345	N	Y	WG			1										X		

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 1525
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl; Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** ____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

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Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

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(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 2 of 2

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 9 Sample Cooler(s): 6
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Myers, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	NI Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARAMW-4	08-21-24	1555	N	Y	WG			1										X		

Chain of Custody Signatures

Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Stantec	8/22/24	1		8/22/24
2			2		8/22/24 1525
3			3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

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Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

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(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 1 of 2

Project # 175569434

GEL Quote #:

COC Number [1]: 9 Sample Cooler(s): 6

PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Myers, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	NI Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6) Comments (task_code: ARK-CCR-ASSMT-2024S2)
ARK-ARGWA-5	08-21-24	0940	N	Y	WG			1										X		
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ARK-ARGWC-7	08-21-24	1600	N	Y	WG			1										X		
ARK-ARGWC-8	08-21-24	1530	N	Y	WG			1										X		
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Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	8/22/24			8/22/24
2						8/22/24 1525
3						

TAT Requested: **Normal:** X **Rush:** _____ **Specify:** _____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** _____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

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Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 30 of 33 SDG 668233

Page 2 of 2

Project # 175569434

GEL Quote #:

COC Number [1]: 9 Sample Cooler(s): 6

PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Zach Levy, John Myer, Dylan Quintal

Send Results To: jabraham@southernco.com EDD@stantec.com cassidy.sutherland@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Ag (App. I) (6020B)	NI Metals App. III (B, Ca) (6020B)	NI Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI Metals App. IV (6020B) see Additional Remarks	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Metals Al, K, Mg, Na, Fe, Mn (6020B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	SA Nitrate/ Nitrite (EPA Method 353.2)	<-- Preservative Type (6)
ARK-ARAMW-4	08-21-24	1555	N	Y	WG			1										X		

Comments (task_code: ARK-CCR-ASSMT-2024S2)

Chain of Custody Signatures

Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Stantec	8/22/24	1		8/22/24
2			2		8/22/24 1525
3			3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Metals App. IV: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** ____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

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TSCA Regulated
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Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 31 of 33 SDG 68333

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

682333

Client: GPCC	SDG/AR/COC/Work Order:
Received By: QG	Date Received: 8/22/24
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other n/a

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		✓	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?			✓	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?			✓	Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*			✓	Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius **TEMP:**_____
4	Daily check performed and passed on IR temperature gun?	✓			**Temperature Device Serial #:** IR1-23 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?			✓	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?			✓	Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA___(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample ID's and containers affected:
8	Samples received within holding time?			✓	ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?			✓	ID's and containers affected:
10	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?			✓	
13	COC form is properly signed in relinquished/received sections?			✓	Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

Cooler 1- 0°c
2- 0°c
3- 1°c
4- 0°c
5- 0°c
6- 0°c
7- 1°c
8- 0°c

PM (or PMA) review: Initials HB Date 8/23/24 Page 1 of 1

List of current GEL Certifications as of 06 September 2024

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-41
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

August 20, 2024

Kelley Sharpe
ARCADIS - Atlanta
2839 Paces Ferry Rd
STE 900
Atlanta, GA 30339

RE: Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Dear Kelley Sharpe:

Enclosed are the analytical results for sample(s) received by the laboratory on August 13, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR
Jordan Gamble, ARCADIS - Atlanta
Ben Hodges, Southern Company
Priya Jacob, ARCADIS - Atlanta
Jennifer Kolbe, Stantec Consulting
Laura Midkiff, Southern Company
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

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CERTIFICATIONS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

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SAMPLE SUMMARY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92747274001	**ARK-BT-1.6**	Water	08/12/24 09:05	08/13/24 13:25
92747274002	**ARK-BT-1.1**	Water	08/12/24 09:36	08/13/24 13:25
92747274003	**ARK-BT-1.2**	Water	08/12/24 09:28	08/13/24 13:25
92747274004	**ARK-BT-1.3**	Water	08/12/24 09:18	08/13/24 13:25
92747274005	**ARK-BT-1.0**	Water	08/12/24 09:44	08/13/24 13:25
92747274006	**ARK-BC-0.8b**	Water	08/12/24 11:41	08/13/24 13:25

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SAMPLE ANALYTE COUNT

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92747274001	**ARK-BT-1.6**	EPA 6010D	AJM	5	PASI-GA
		EPA 6020B	CW1	1	PASI-GA
		SM 2540C-2015	DL1	1	PASI-GA
		SM 2320B-2011	SMS	2	PASI-A
		EPA 9056A	CDC	3	PASI-A
92747274002	**ARK-BT-1.1**	EPA 6010D	AJM	5	PASI-GA
		EPA 6020B	CW1	1	PASI-GA
		SM 2540C-2015	DL1	1	PASI-GA
		SM 2320B-2011	SMS	2	PASI-A
		EPA 9056A	CDC	3	PASI-A
92747274003	**ARK-BT-1.2**	EPA 6010D	AJM	5	PASI-GA
		EPA 6020B	CW1	1	PASI-GA
		SM 2540C-2015	DL1	1	PASI-GA
		SM 2320B-2011	SMS	2	PASI-A
		EPA 9056A	CDC	3	PASI-A
92747274004	**ARK-BT-1.3**	EPA 6010D	AJM	5	PASI-GA
		EPA 6020B	CW1	1	PASI-GA
		SM 2540C-2015	DL1	1	PASI-GA
		SM 2320B-2011	SMS	2	PASI-A
		EPA 9056A	CDC	3	PASI-A
92747274005	**ARK-BT-1.0**	EPA 6010D	AJM	5	PASI-GA
		EPA 6020B	CW1	1	PASI-GA
		SM 2540C-2015	DL1	1	PASI-GA
		SM 2320B-2011	SMS	2	PASI-A
		EPA 9056A	CDC	3	PASI-A
92747274006	**ARK-BC-0.8b**	EPA 6010D	AJM	5	PASI-GA
		EPA 6020B	CW1	1	PASI-GA
		SM 2540C-2015	DL1	1	PASI-GA
		SM 2320B-2011	SMS	2	PASI-A
		EPA 9056A	CDC	3	PASI-A

PASI-A = Pace Analytical Services - Asheville
PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Sample: ARK-BT-1.6 **Lab ID: 92747274001** Collected: 08/12/24 09:05 Received: 08/13/24 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Boron	ND	mg/L	0.040	1	08/15/24 16:46	08/19/24 15:01	7440-42-8	
Potassium	**1.8**	mg/L	0.50	1	08/15/24 16:46	08/19/24 15:01	7440-09-7	
Sodium	**5.7**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:01	7440-23-5	
Calcium	**8.8**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:01	7440-70-2	
Magnesium	**4.9**	mg/L	0.050	1	08/15/24 16:46	08/19/24 15:01	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Cobalt	ND	mg/L	0.0050	1	08/14/24 09:52	08/14/24 17:09	7440-48-4	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	**208**	mg/L	25.0	1		08/16/24 14:11		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**48.6**	mg/L	5.0	1		08/14/24 18:22		
Alkalinity, Total as CaCO3	**48.6**	mg/L	5.0	1		08/14/24 18:22		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**5.5**	mg/L	1.0	1		08/14/24 17:09	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/14/24 17:09	16984-48-8	
Sulfate	**2.3**	mg/L	1.0	1		08/14/24 17:09	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Sample: ARK-BT-1.1 **Lab ID: 92747274002** Collected: 08/12/24 09:36 Received: 08/13/24 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Boron	ND	mg/L	0.040	1	08/15/24 16:46	08/19/24 15:04	7440-42-8	
Potassium	ND	mg/L	0.50	1	08/15/24 16:46	08/19/24 15:04	7440-09-7	
Sodium	**6.0**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:04	7440-23-5	
Calcium	**9.8**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:04	7440-70-2	
Magnesium	**5.8**	mg/L	0.050	1	08/15/24 16:46	08/19/24 15:04	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Cobalt	ND	mg/L	0.0050	1	08/14/24 09:52	08/14/24 17:33	7440-48-4	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	**122**	mg/L	25.0	1		08/16/24 14:12		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**54.1**	mg/L	5.0	1		08/14/24 18:28		
Alkalinity, Total as CaCO3	**54.1**	mg/L	5.0	1		08/14/24 18:28		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.9**	mg/L	1.0	1		08/14/24 17:23	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/14/24 17:23	16984-48-8	
Sulfate	**3.3**	mg/L	1.0	1		08/14/24 17:23	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Sample: ARK-BT-1.2 **Lab ID: 92747274003** Collected: 08/12/24 09:28 Received: 08/13/24 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Boron	ND	mg/L	0.040	1	08/15/24 16:46	08/19/24 15:08	7440-42-8	
Potassium	ND	mg/L	0.50	1	08/15/24 16:46	08/19/24 15:08	7440-09-7	
Sodium	**6.2**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:08	7440-23-5	
Calcium	**10.4**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:08	7440-70-2	
Magnesium	**6.3**	mg/L	0.050	1	08/15/24 16:46	08/19/24 15:08	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Cobalt	ND	mg/L	0.0050	1	08/14/24 09:52	08/14/24 17:37	7440-48-4	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	**89.0**	mg/L	25.0	1		08/16/24 14:12		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**59.7**	mg/L	5.0	1		08/14/24 18:44		
Alkalinity, Total as CaCO3	**59.7**	mg/L	5.0	1		08/14/24 18:44		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.1**	mg/L	1.0	1		08/14/24 17:37	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/14/24 17:37	16984-48-8	
Sulfate	**2.3**	mg/L	1.0	1		08/14/24 17:37	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Sample: ARK-BT-1.3 **Lab ID: 92747274004** Collected: 08/12/24 09:18 Received: 08/13/24 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Boron	ND	mg/L	0.040	1	08/15/24 16:46	08/19/24 15:20	7440-42-8	
Potassium	**0.79**	mg/L	0.50	1	08/15/24 16:46	08/19/24 15:20	7440-09-7	
Sodium	**6.4**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:20	7440-23-5	
Calcium	**10.4**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:20	7440-70-2	
Magnesium	**6.3**	mg/L	0.050	1	08/15/24 16:46	08/19/24 15:20	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Cobalt	ND	mg/L	0.0050	1	08/14/24 09:52	08/14/24 17:41	7440-48-4	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	**100**	mg/L	25.0	1		08/16/24 14:12		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**58.6**	mg/L	5.0	1		08/14/24 18:50		
Alkalinity, Total as CaCO3	**58.6**	mg/L	5.0	1		08/14/24 18:50		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.3**	mg/L	1.0	1		08/14/24 18:19	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/14/24 18:19	16984-48-8	
Sulfate	**2.5**	mg/L	1.0	1		08/14/24 18:19	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Sample: ARK-BT-1.0 **Lab ID: 92747274005** Collected: 08/12/24 09:44 Received: 08/13/24 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Boron	ND	mg/L	0.040	1	08/15/24 16:46	08/19/24 15:23	7440-42-8	
Potassium	**0.88**	mg/L	0.50	1	08/15/24 16:46	08/19/24 15:23	7440-09-7	
Sodium	**5.6**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:23	7440-23-5	
Calcium	**5.9**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:23	7440-70-2	
Magnesium	**4.9**	mg/L	0.050	1	08/15/24 16:46	08/19/24 15:23	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Cobalt	ND	mg/L	0.0050	1	08/14/24 09:52	08/14/24 17:45	7440-48-4	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	**90.0**	mg/L	25.0	1		08/16/24 14:13		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**37.5**	mg/L	5.0	1		08/14/24 18:57		
Alkalinity, Total as CaCO3	**37.5**	mg/L	5.0	1		08/14/24 18:57		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.7**	mg/L	1.0	1		08/14/24 18:33	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/14/24 18:33	16984-48-8	
Sulfate	**5.1**	mg/L	1.0	1		08/14/24 18:33	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Sample: ARK-BC-0.8b **Lab ID: 92747274006** Collected: 08/12/24 11:41 Received: 08/13/24 13:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Boron	ND	mg/L	0.040	1	08/15/24 16:46	08/19/24 15:27	7440-42-8	
Potassium	**2.3**	mg/L	0.50	1	08/15/24 16:46	08/19/24 15:27	7440-09-7	
Sodium	**8.7**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:27	7440-23-5	
Calcium	**11.0**	mg/L	1.0	1	08/15/24 16:46	08/19/24 15:27	7440-70-2	
Magnesium	**4.7**	mg/L	0.050	1	08/15/24 16:46	08/19/24 15:27	7439-95-4	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Cobalt	ND	mg/L	0.0050	1	08/14/24 09:52	08/14/24 17:53	7440-48-4	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	**118**	mg/L	25.0	1		08/16/24 14:13		
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**54.7**	mg/L	5.0	1		08/14/24 19:03		
Alkalinity, Total as CaCO3	**54.7**	mg/L	5.0	1		08/14/24 19:03		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**7.7**	mg/L	1.0	1		08/14/24 18:47	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/14/24 18:47	16984-48-8	
Sulfate	**4.2**	mg/L	1.0	1		08/14/24 18:47	14808-79-8	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

QC Batch: 875955
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92747274001, 92747274002, 92747274003, 92747274004, 92747274005, 92747274006

METHOD BLANK: 4512090 Matrix: Water
Associated Lab Samples: 92747274001, 92747274002, 92747274003, 92747274004, 92747274005, 92747274006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	08/19/24 13:54	
Calcium	mg/L	ND	1.0	08/19/24 13:54	
Magnesium	mg/L	ND	0.050	08/19/24 13:54	
Potassium	mg/L	ND	0.50	08/19/24 13:54	
Sodium	mg/L	ND	1.0	08/19/24 13:54	

LABORATORY CONTROL SAMPLE: 4512091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	1.0	101	80-120	
Calcium	mg/L	1	1.0	105	80-120	
Magnesium	mg/L	1	1.0	104	80-120	
Potassium	mg/L	1	1.1	107	80-120	
Sodium	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4512092 4512093

Parameter	Units	92747247001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	ND	1	1	1.1	1.1	105	103	75-125	2	20	
Calcium	mg/L	11.5	1	1	13.1	13.1	155	159	75-125	0	20	M1
Magnesium	mg/L	4.9	1	1	6.1	6.2	118	126	75-125	1	20	M1
Potassium	mg/L	2.3	1	1	3.5	3.5	113	112	75-125	0	20	
Sodium	mg/L	8.5	1	1	9.7	9.8	126	134	75-125	1	20	M1

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

QC Batch: 875521
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92747274001, 92747274002, 92747274003, 92747274004, 92747274005, 92747274006

METHOD BLANK: 4509771 Matrix: Water
Associated Lab Samples: 92747274001, 92747274002, 92747274003, 92747274004, 92747274005, 92747274006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0050	08/14/24 15:37	

LABORATORY CONTROL SAMPLE: 4509772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.1	0.10	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4509773 4509774

Parameter	Units	92746959001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	ND	0.1	0.1	0.10	0.097	102	97	75-125	4	20	

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(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

QC Batch: 876190 | Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92747274001, 92747274002, 92747274003, 92747274004, 92747274005, 92747274006

METHOD BLANK: 4513596 Matrix: Water
Associated Lab Samples: 92747274001, 92747274002, 92747274003, 92747274004, 92747274005, 92747274006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	08/16/24 14:10	

LABORATORY CONTROL SAMPLE: 4513597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	415	104	80-120	

SAMPLE DUPLICATE: 4513598

Parameter	Units	92747267003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	141	141	0	10	

SAMPLE DUPLICATE: 4513599

Parameter	Units	92747305002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	93.0	87.0	7	10	

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(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

QC Batch: 875570
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92747274001, 92747274002, 92747274003, 92747274004, 92747274005, 92747274006

METHOD BLANK: 4509947 Matrix: Water
Associated Lab Samples: 92747274001, 92747274002, 92747274003, 92747274004, 92747274005, 92747274006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	08/14/24 16:17	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	08/14/24 16:17	

LABORATORY CONTROL SAMPLE: 4509948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.4	105	80-120	

LABORATORY CONTROL SAMPLE: 4509949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.6	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4509950 4509951

Parameter	Units	92747247001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	55.7	50	50	106	107	101	103	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4509952 4509953

Parameter	Units	92747247002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	59.3	50	50	108	110	98	101	80-120	1	25	

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(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

QC Batch: 875472
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92747274001, 92747274002, 92747274003, 92747274004, 92747274005, 92747274006

METHOD BLANK: 4509648 Matrix: Water
Associated Lab Samples: 92747274001, 92747274002, 92747274003, 92747274004, 92747274005, 92747274006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	08/14/24 12:44	
Fluoride	mg/L	ND	0.10	08/14/24 12:44	
Sulfate	mg/L	ND	1.0	08/14/24 12:44	

LABORATORY CONTROL SAMPLE: 4509649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.7	101	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	51.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4509650 4509651

Parameter	Units	92747247001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	7.5	50	50	58.2	59.1	101	103	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.7	101	103	90-110	2	10	
Sulfate	mg/L	7.6	50	50	58.6	59.6	102	104	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4509652 4509653

Parameter	Units	92747267005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	7.6	50	50	58.0	58.6	101	102	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	101	102	90-110	1	10	
Sulfate	mg/L	7.5	50	50	58.4	58.9	102	103	90-110	1	10	

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92747274

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92747274001	**ARK-BT-1.6**	EPA 3010A	875955	EPA 6010D	876037
92747274002	**ARK-BT-1.1**	EPA 3010A	875955	EPA 6010D	876037
92747274003	**ARK-BT-1.2**	EPA 3010A	875955	EPA 6010D	876037
92747274004	**ARK-BT-1.3**	EPA 3010A	875955	EPA 6010D	876037
92747274005	**ARK-BT-1.0**	EPA 3010A	875955	EPA 6010D	876037
92747274006	**ARK-BC-0.8b**	EPA 3010A	875955	EPA 6010D	876037
92747274001	**ARK-BT-1.6**	EPA 3005A	875521	EPA 6020B	875636
92747274002	**ARK-BT-1.1**	EPA 3005A	875521	EPA 6020B	875636
92747274003	**ARK-BT-1.2**	EPA 3005A	875521	EPA 6020B	875636
92747274004	**ARK-BT-1.3**	EPA 3005A	875521	EPA 6020B	875636
92747274005	**ARK-BT-1.0**	EPA 3005A	875521	EPA 6020B	875636
92747274006	**ARK-BC-0.8b**	EPA 3005A	875521	EPA 6020B	875636
92747274001	**ARK-BT-1.6**	SM 2540C-2015	876190		
92747274002	**ARK-BT-1.1**	SM 2540C-2015	876190		
92747274003	**ARK-BT-1.2**	SM 2540C-2015	876190		
92747274004	**ARK-BT-1.3**	SM 2540C-2015	876190		
92747274005	**ARK-BT-1.0**	SM 2540C-2015	876190		
92747274006	**ARK-BC-0.8b**	SM 2540C-2015	876190		
92747274001	**ARK-BT-1.6**	SM 2320B-2011	875570		
92747274002	**ARK-BT-1.1**	SM 2320B-2011	875570		
92747274003	**ARK-BT-1.2**	SM 2320B-2011	875570		
92747274004	**ARK-BT-1.3**	SM 2320B-2011	875570		
92747274005	**ARK-BT-1.0**	SM 2320B-2011	875570		
92747274006	**ARK-BC-0.8b**	SM 2320B-2011	875570		
92747274001	**ARK-BT-1.6**	EPA 9056A	875472		
92747274002	**ARK-BT-1.1**	EPA 9056A	875472		
92747274003	**ARK-BT-1.2**	EPA 9056A	875472		
92747274004	**ARK-BT-1.3**	EPA 9056A	875472		
92747274005	**ARK-BT-1.0**	EPA 9056A	875472		
92747274006	**ARK-BC-0.8b**	EPA 9056A	875472		

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92747274

92747274

Company Name:	ARCADIS - Atlanta	Contact/Report To:	Kelley Sharpe
Street Address:	2839 Paces Ferry Rd, Atlanta, GA 30339	Phone #:	(770)547-2978
		E-Mail:	kelley.sharpe@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Arkwright-CCR Ash Pond	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Plant Arkwright SWS	Purchase Order # (if applicable):	GPC82474-0003
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Maiya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 15836

Prelog / Bottle Ord. ID: EZ 3144736

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Co only	App. III Metals - B, Ca	Metals - K, Mg, Na	Alkalinity (Total/BiCarb)	Cl, F, SO4	TDS	Sample Comment	Preservation non-conformance identified for sample.
ARK-BT-1.6	WS	G	8/12/24	0965			3			X	X	X	X	X	X		
ARK-BT-1.1	WS	G	8/12/24	0936			3			X	X	X	X	X	X		
ARK-BT-1.2	WS	G	8/12/24	0928			3			X	X	X	X	X	X		
ARK-BT-1.3	WS	G	8/12/24	0918			3			X	X	X	X	X	X		
ARK-BT-1.0	WS	G	8/12/24	0944			3			X	X	X	X	X	X		
ARK-BC-0.8b	WS	G	8/12/24	1141			3			X	X	X	X	X	X		

Additional Instructions from Pace®: ARK-CSURF-ASSMT-2024S2

Collected By: (Printed Name) Graeme Gr

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Perry Dixon / Arcadis	8/13/24 1325		5/13/24 1325	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Arcadis - Atlanta

Project #: **WO#: 92747274**

PM: MP Due Date: 08/20/24
CLIENT: GA-ArcadAtl

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Pace ☐ Other:

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 8/13/24 ow

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 270

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 5.4 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.4

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☑ Yes	☐ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4. 5 DAY TAT
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WS				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92747274

PM: MP Due Date: 08/20/24

CLIENT: GA-ArcadAtl

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client ARCADIS - Atlanta Profile/EZ (Circle one) 3144736 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1	\		2		\	\	1 ✓	\	\			\		\	\	\										\	\			
2	\		2		\	\	1 ✓	\	\			\		\	\	\										\	\			
3	\		2		\	\	1 ✓	\	\			\		\	\	\										\	\			
4	\		2		\	\	1 ✓	\	\			\		\	\	\										\	\			
5	\		2		\	\	1 ✓	\	\			\		\	\	\										\	\			
6	\		2		\	\	1 ✓	\	\			\		\	\	\										\	\			
7	\				\	\		\	\			\		\	\	\										\	\			
8	\				\	\		\	\			\		\	\	\										\	\			
9	\				\	\		\	\			\		\	\	\										\	\			
10	\				\	\		\	\			\		\	\	\										\	\			
11	\				\	\		\	\			\		\	\	\										\	\			
12	\				\	\		\	\			\		\	\	\										\	\			

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

May 14, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

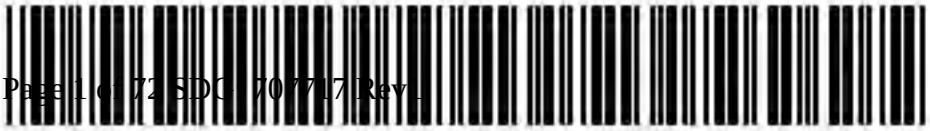
Re: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 3-Total Metals*
Work Order: 707717

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 06, 2025. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 707717 in the left-hand footer of the data report. This package has been updated to exclude the previously entered limits and report Appendix IV Metals using GEL PQLs

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. Please refer to the attached email chain for sample receipt details. The sample containers were not complete with a collection date and time. The chain of custody was used to complete login *and 707717013(ARK-ARGWC-18)*. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
707717001	ARK-ARGWA-3	Ground Water	02/05/25 09:40	02/06/25 14:09
707717002	ARK-ARGWA-5	Ground Water	02/05/25 12:15	02/06/25 14:09
707717003	ARK-ARGWA-12	Ground Water	02/05/25 10:25	02/06/25 14:09
707717004	ARK-ARGWA-13	Ground Water	02/05/25 11:05	02/06/25 14:09
707717005	ARK-ARGWA-14	Ground Water	02/05/25 07:45	02/06/25 14:09
707717006	ARK-ARGWA-24	Ground Water	02/05/25 11:40	02/06/25 14:09
707717007	ARK-ARGWC-7	Ground Water	02/05/25 17:15	02/06/25 14:09
707717008	ARK-ARGWC-8	Ground Water	02/05/25 13:15	02/06/25 14:09
707717009	ARK-ARGWC-9	Ground Water	02/05/25 13:55	02/06/25 14:09
707717010	ARK-ARGWC-10	Ground Water	02/05/25 15:30	02/06/25 14:09
707717011	ARK-ARGWC-16	Ground Water	02/05/25 14:55	02/06/25 14:09
707717012	ARK-ARGWC-17	Ground Water	02/05/25 17:30	02/06/25 14:09
707717013	ARK-ARGWC-18	Ground Water	02/05/25 15:45	02/06/25 14:09
707717014	ARK-ARAMW-4	Ground Water	02/05/25 15:35	02/06/25 14:09
707717015	ARK-AP3-EB-05	Water	02/05/25 14:40	02/06/25 14:09



707717016	ARK-AP3-EB-06	Water	02/05/25 10:00	02/06/25 14:09
707717017	ARK-AP3-FD-05	Water	02/05/25 12:00	02/06/25 14:09
707717018	ARK-AP3-FD-06	Water	02/05/25 12:00	02/06/25 14:09
707717019	ARK-AP3-FB-05	Water	02/05/25 12:45	02/06/25 14:09
707717020	ARK-AP3-FB-06	Water	02/05/25 11:30	02/06/25 14:09

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

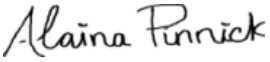
Method	Run Date ID
SW846 3005A	07-FEB-2025
SW846 7470A Prep	12-FEB-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	08-FEB-2025
EPA 300.0	09-FEB-2025
EPA 300.0	10-FEB-2025
EPA 300.0	12-FEB-2025
SM 2320B	07-FEB-2025
SM 2540C	12-FEB-2025
SW846 3005A/6020B	20-FEB-2025
SW846 7470A	13-FEB-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 707717 GEL Work Order: 707717

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWA-3	Project:	GPCC01924
Sample ID:	707717001	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 09:40		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.66	0.0670	0.200	mg/L		1	CH6	02/10/25	1009	2746639	1
Fluoride	J	0.0502	0.0330	0.100	mg/L		1					
Sulfate		0.453	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1010	2749209	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum		0.0593	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0444	2746742	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0170	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		5.98	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00342	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0807	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		3.54	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00163	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		0.973	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		7.41	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	J	0.00681	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1531	2746742	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		63.0	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWA-3 Project: GPCC01924
Sample ID: 707717001 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		42.3	0.725	2.00	mg/L			JW2	02/07/25	1024	2746703	6
Bicarbonate alkalinity (CaCO3)		42.3	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	
6	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWA-5	Project:	GPCC01924
Sample ID:	707717002	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 12:15		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		24.3	6.70	20.0	mg/L		100	CH6	02/08/25	2343	2746639	1
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	02/10/25	1141	2746639	2
Sulfate		0.614	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1018	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0504	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0735	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		15.3	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0339	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		6.20	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.00924	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.62	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		12.7	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1540	2746742	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		105	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWA-5 Project: GPCC01924
Sample ID: 707717002 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		64.2	0.725	2.00	mg/L			JW2	02/07/25	1025	2746703	7
Bicarbonate alkalinity (CaCO3)		64.2	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWA-12	Project:	GPCC01924
Sample ID:	707717003	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 10:25		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		10.1	0.134	0.400	mg/L		2	CH6	02/10/25	1212	2746639	1
Sulfate		6.00	0.266	0.800	mg/L		2					
Fluoride	J	0.0337	0.0330	0.100	mg/L		1	CH6	02/12/25	0341	2746639	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1020	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum		0.0800	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0507	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0644	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		11.8	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000989	0.000300	0.00100	mg/L	1.00	1					
Iron		0.141	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00415	0.00300	0.0100	mg/L	1.00	1					
Magnesium		7.51	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00411	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000247	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.66	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		12.1	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0165	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1542	2746742	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		90.0	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWA-12 Project: GPCC01924
Sample ID: 707717003 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		53.8	0.725	2.00	mg/L			JW2	02/07/25	1027	2746703	7
Bicarbonate alkalinity (CaCO3)		53.8	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWA-13	Project:	GPCC01924
Sample ID:	707717004	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 11:05		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		311	13.3	40.0	mg/L		100	CH6	02/09/25	0146	2746639	1
Chloride		3.88	0.134	0.400	mg/L		2	CH6	02/10/25	1243	2746639	2
Fluoride	U	ND	0.0660	0.200	mg/L		2					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1022	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0510	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0164	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00468	0.00300	0.0100	mg/L	1.00	1					
Magnesium		45.5	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.00678	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		2.78	0.0800	0.300	mg/L	1.00	1					
Selenium		0.00676	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		11.6	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.563	0.0260	0.0750	mg/L	1.00	5	PRB	02/20/25	1543	2746742	5
Calcium		82.0	0.400	1.00	mg/L	1.00	5					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		512	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWA-13 Project: GPCC01924
Sample ID: 707717004 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		55.6	0.725	2.00	mg/L			JW2	02/07/25	1028	2746703	7
Bicarbonate alkalinity (CaCO3)		55.6	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWA-14	Project:	GPCC01924
Sample ID:	707717005	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 07:45		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.57	0.134	0.400	mg/L		2	CH6	02/10/25	1314	2746639	1
Fluoride		0.238	0.0660	0.200	mg/L		2					
Sulfate		2.25	0.266	0.800	mg/L		2					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1027	2749209	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	J	0.0295	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0513	2746742	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0617	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		41.7	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00365	0.00300	0.0100	mg/L	1.00	1					
Magnesium		7.46	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00305	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000611	0.000200	0.00100	mg/L	1.00	1					
Potassium		3.18	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0347	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1544	2746742	4
Sodium		61.6	0.800	2.50	mg/L	1.00	10	PRB	02/20/25	1545	2746742	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		133	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWA-14 Project: GPCC01924
Sample ID: 707717005 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		122	0.725	2.00	mg/L			JW2	02/07/25	1029	2746703	7
Bicarbonate alkalinity (CaCO3)		122	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWA-24	Project:	GPCC01924
Sample ID:	707717006	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 11:40		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		7.11	0.134	0.400	mg/L		2	CH6	02/10/25	1344	2746639	1
Sulfate		5.07	0.266	0.800	mg/L		2					
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	02/12/25	0514	2746639	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1028	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0516	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0353	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		9.20	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00317	0.00300	0.0100	mg/L	1.00	1					
Magnesium		5.79	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00346	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		0.744	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		13.1	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	J	0.0122	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1547	2746742	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		96.0	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Company : Georgia Power Company, Southern Company
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Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWA-24 Project: GPCC01924
Sample ID: 707717006 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		53.6	0.725	2.00	mg/L			JW2	02/07/25	1030	2746703	7
Bicarbonate alkalinity (CaCO3)		53.6	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWC-7	Project:	GPCC01924
Sample ID:	707717007	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 17:15		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		46.0	13.3	40.0	mg/L		100	CH6	02/09/25	0319	2746639	1
Chloride		4.33	0.134	0.400	mg/L		2	CH6	02/10/25	1415	2746639	2
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	02/12/25	0545	2746639	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1030	2749209	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0519	2746742	5
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0521	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		9.35	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00302	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00372	0.00300	0.0100	mg/L	1.00	1					
Magnesium		7.93	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		0.926	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		5.66	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0749	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1548	2746742	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		87.0	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWC-7 Project: GPCC01924
Sample ID: 707717007 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		25.4	0.725	2.00	mg/L			JW2	02/07/25	1031	2746703	8
Bicarbonate alkalinity (CaCO3)		25.4	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	
8	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWC-8	Project:	GPCC01924
Sample ID:	707717008	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 13:15		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		61.7	13.3	40.0	mg/L		100	CH6	02/09/25	0350	2746639	1
Chloride		5.28	0.134	0.400	mg/L		2	CH6	02/10/25	1446	2746639	2
Fluoride		0.212	0.0660	0.200	mg/L		2					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1031	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum		0.0547	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0521	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0601	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		44.3	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0620	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00367	0.00300	0.0100	mg/L	1.00	1					
Magnesium		19.2	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.341	0.00100	0.00500	mg/L	1.00	1					
Molybdenum		0.0394	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.74	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		13.3	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.913	0.0520	0.150	mg/L	1.00	10	PRB	02/20/25	1549	2746742	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		214	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWC-8 Project: GPCC01924
Sample ID: 707717008 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		159	0.725	2.00	mg/L			JW2	02/07/25	1032	2746703	7
Bicarbonate alkalinity (CaCO3)		159	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWC-9	Project:	GPCC01924
Sample ID:	707717009	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 13:55		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.83	0.0670	0.200	mg/L		1	CH6	02/10/25	1619	2746639	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		1.47	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1033	2749209	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0524	2746742	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0381	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		4.85	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00691	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		2.16	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.78	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		6.56	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	J	0.00699	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1553	2746742	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		58.0	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWC-9 Project: GPCC01924
Sample ID: 707717009 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		25.9	0.725	2.00	mg/L			JW2	02/07/25	1033	2746703	6
Bicarbonate alkalinity (CaCO3)		25.9	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	
6	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWC-10	Project:	GPCC01924
Sample ID:	707717010	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 15:30		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.91	0.0670	0.200	mg/L		1	CH6	02/10/25	1650	2746639	1
Fluoride	J	0.0351	0.0330	0.100	mg/L		1					
Sulfate		0.557	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1035	2749209	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum		0.123	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0527	2746742	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0346	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		8.09	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00513	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron		0.145	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		4.13	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00382	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		0.729	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		10.1	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	J	0.00539	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1554	2746742	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		69.0	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWC-10 Project: GPCC01924
Sample ID: 707717010 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		50.2	0.725	2.00	mg/L			JW2	02/07/25	1034	2746703	6
Bicarbonate alkalinity (CaCO3)		50.2	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	
6	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWC-16	Project:	GPCC01924
Sample ID:	707717011	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 14:55		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		405	13.3	40.0	mg/L		100	CH6	02/09/25	0522	2746639	1
Chloride		5.63	0.134	0.400	mg/L		2	CH6	02/10/25	1720	2746639	2
Fluoride	U	ND	0.0660	0.200	mg/L		2					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1036	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	J	0.0277	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0530	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0373	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0414	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Manganese		0.400	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		4.69	0.0800	0.300	mg/L	1.00	1					
Selenium	J	0.00451	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		18.4	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.593	0.0520	0.150	mg/L	1.00	10	PRB	02/20/25	1555	2746742	5
Calcium		78.4	0.800	2.00	mg/L	1.00	10					
Magnesium		53.9	0.100	0.300	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		637	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWC-16 Project: GPCC01924
Sample ID: 707717011 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		15.4	0.725	2.00	mg/L			JW2	02/07/25	1034	2746703	7
Bicarbonate alkalinity (CaCO3)		15.4	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWC-17	Project:	GPCC01924
Sample ID:	707717012	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 17:30		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		118	13.3	40.0	mg/L		100	CH6	02/09/25	0757	2746639	1
Chloride		2.63	0.134	0.400	mg/L		2	CH6	02/10/25	1853	2746639	2
Fluoride	U	ND	0.0660	0.200	mg/L		2					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1038	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	J	0.0216	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0539	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0426	0.000670	0.00400	mg/L	1.00	1					
Beryllium	J	0.000265	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		18.9	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0172	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0986	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium		15.7	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.950	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.05	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		5.92	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0540	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1557	2746742	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		155	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWC-17	Project:	GPCC01924
Sample ID:	707717012	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		8.50	0.725	2.00	mg/L			JW2	02/07/25	1036	2746703	7
Bicarbonate alkalinity (CaCO3)		8.50	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARGWC-18	Project:	GPCC01924
Sample ID:	707717013	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 15:45		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		199	13.3	40.0	mg/L		100	CH6	02/09/25	0827	2746639	1
Chloride		6.35	0.134	0.400	mg/L		2	CH6	02/10/25	1924	2746639	2
Fluoride	J	0.0860	0.0660	0.200	mg/L		2					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1040	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum		0.213	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0542	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0382	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000995	0.000300	0.00100	mg/L	1.00	1					
Iron		1.56	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00450	0.00300	0.0100	mg/L	1.00	1					
Magnesium		42.2	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.894	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		2.34	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		12.6	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		53.3	0.800	2.00	mg/L	1.00	10	PRB	02/20/25	1558	2746742	5
Boron		2.32	0.104	0.300	mg/L	1.00	20	PRB	02/20/25	1636	2746742	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		428	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID: ARK-ARGWC-18 Project: GPCC01924
Sample ID: 707717013 Client ID: GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		121	0.725	2.00	mg/L			JW2	02/07/25	1037	2746703	8
Bicarbonate alkalinity (CaCO3)		121	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	
8	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARAMW-4	Project:	GPCC01924
Sample ID:	707717014	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 15:35		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		1460	13.3	40.0	mg/L		100	CH6	02/09/25	0858	2746639	1
Chloride		5.36	0.335	1.00	mg/L		5	CH6	02/10/25	1955	2746639	2
Fluoride	U	ND	0.165	0.500	mg/L		5					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1041	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0545	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0316	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00204	0.000300	0.00100	mg/L	1.00	1					
Iron		1.27	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0159	0.00300	0.0100	mg/L	1.00	1					
Manganese		0.553	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000201	0.000200	0.00100	mg/L	1.00	1					
Potassium		11.7	0.0800	0.300	mg/L	1.00	1					
Selenium	J	0.00257	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		29.2	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.772	0.0520	0.150	mg/L	1.00	10	PRB	02/20/25	1559	2746742	5
Calcium		328	0.800	2.00	mg/L	1.00	10					
Magnesium		152	0.100	0.300	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2180	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

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Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-ARAMW-4	Project:	GPCC01924
Sample ID:	707717014	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		51.4	0.725	2.00	mg/L			JW2	02/07/25	1038	2746703	7
Bicarbonate alkalinity (CaCO3)		51.4	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746741
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	AXS5	02/12/25	1345	2749208

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	
7	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-EB-05	Project:	GPCC01924
Sample ID:	707717015	Client ID:	GPCC003
Matrix:	WQ		
Collect Date:	05-FEB-25 14:40		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	02/10/25	2026	2746639	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1046	2749209	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0548	2746742	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium	U	ND	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium	U	ND	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium	U	ND	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1603	2746742	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch

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Certificate of Analysis

Report Date: May 14, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-EB-05	Project:	GPCC01924
Sample ID:	707717015	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
SW846 3005A	ICP-MS 3005A PREP			PB1	02/07/25		1420		2746741			
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid			AXS5	02/12/25		1345		2749208			

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-EB-06	Project:	GPCC01924
Sample ID:	707717016	Client ID:	GPCC003
Matrix:	WQ		
Collect Date:	05-FEB-25 10:00		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	02/10/25	2057	2746639	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1048	2749209	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0551	2746742	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium	U	ND	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium	U	ND	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium	U	ND	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1604	2746742	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch

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Certificate of Analysis

Report Date: May 14, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-EB-06	Project:	GPCC01924
Sample ID:	707717016	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
SW846 3005A	ICP-MS 3005A PREP			PB1	02/07/25		1420		2746741			
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid			AXS5	02/12/25		1345		2749208			

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-FD-05	Project:	GPCC01924
Sample ID:	707717017	Client ID:	GPCC003
Matrix:	WQ		
Collect Date:	05-FEB-25 12:00		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		59.7	13.3	40.0	mg/L		100	CH6	02/09/25	1031	2746639	1
Chloride		5.55	0.0670	0.200	mg/L		1	CH6	02/12/25	0616	2746639	2
Fluoride		0.130	0.0330	0.100	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1049	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum		0.0642	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0553	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0610	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		45.1	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0707	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00388	0.00300	0.0100	mg/L	1.00	1					
Magnesium		19.3	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.338	0.00100	0.00500	mg/L	1.00	1					
Molybdenum		0.0403	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.75	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		13.4	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.904	0.0520	0.150	mg/L	1.00	10	PRB	02/20/25	1605	2746742	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		252	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch

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Certificate of Analysis

Report Date: May 14, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-FD-05	Project:	GPCC01924
Sample ID:	707717017	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
SW846 7470A Prep		EPA 7470A Mercury Prep Liquid		AXS5	02/12/25		1345	2749208				
SW846 3005A		ICP-MS 3005A PREP		PB1	02/07/25		1420	2746741				

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-FD-06	Project:	GPCC01924
Sample ID:	707717018	Client ID:	GPCC003
Matrix:	WQ		
Collect Date:	05-FEB-25 12:00		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		10.5	0.134	0.400	mg/L		2	CH6	02/12/25	0646	2746639	1
Sulfate		6.19	0.266	0.800	mg/L		2					
Fluoride	J	0.0351	0.0330	0.100	mg/L		1	CH6	02/12/25	0717	2746639	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	J	0.000188	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1051	2749209	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum		0.0990	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0556	2746742	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0629	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		11.5	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000993	0.000300	0.00100	mg/L	1.00	1					
Iron		0.122	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00384	0.00300	0.0100	mg/L	1.00	1					
Magnesium		7.44	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00405	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000269	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.61	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		12.2	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0227	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1606	2746742	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		117	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 14, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-FD-06	Project:	GPCC01924
Sample ID:	707717018	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid			AXS5	02/12/25		1345	2749208				
SW846 3005A	ICP-MS 3005A PREP			PB1	02/07/25		1420	2746741				

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-FB-05	Project:	GPCC01924
Sample ID:	707717019	Client ID:	GPCC003
Matrix:	WQ		
Collect Date:	05-FEB-25 12:45		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	02/12/25	0748	2746639	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1053	2749209	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0559	2746742	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium	U	ND	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium	U	ND	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium	U	ND	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1608	2746742	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			KLP1	02/12/25	1540	2749228	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-FB-05	Project:	GPCC01924
Sample ID:	707717019	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
SW846 3005A	ICP-MS 3005A PREP			PB1	02/07/25		1420		2746741			
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid			AXS5	02/12/25		1345		2749208			

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-FB-06	Project:	GPCC01924
Sample ID:	707717020	Client ID:	GPCC003
Matrix:	WQ		
Collect Date:	05-FEB-25 11:30		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	02/12/25	0819	2746639	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/25	1054	2749209	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/20/25	0602	2746742	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Magnesium	U	ND	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium	U	ND	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium	U	ND	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	02/20/25	1609	2746742	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			KLP1	02/12/25	1520	2749227	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch

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Certificate of Analysis

Report Date: May 14, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Total Metals*

Client Sample ID:	ARK-AP3-FB-06	Project:	GPCC01924
Sample ID:	707717020	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid			AXS5	02/12/25		1345	2749208				
SW846 3005A	ICP-MS 3005A PREP			PB1	02/07/25		1420	2746741				

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: May 14, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **707717**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2746639										
QC1205998786 707717001 DUP										
Chloride		2.66		2.63	mg/L	1.08		(0%-20%)	CH6	02/10/25 10:40
Fluoride	J	0.0502	J	0.0512	mg/L	1.97	^	(+/-0.100)		
Sulfate		0.453		0.445	mg/L	1.87	^	(+/-0.400)		
QC1205998788 707717011 DUP										
Chloride		5.63		5.69	mg/L	1.06		(0%-20%)		02/10/25 17:51
Fluoride	U	ND	U	ND	mg/L	N/A				
Sulfate		405		407	mg/L	0.436		(0%-20%)		02/09/25 05:53
QC1205998785 LCS										
Chloride	5.00			4.79	mg/L		95.7	(90%-110%)		02/08/25 21:39
Fluoride	2.50			2.40	mg/L		95.8	(90%-110%)		
Sulfate	10.0			9.85	mg/L		98.5	(90%-110%)		
QC1205998784 MB										
Chloride			U	ND	mg/L					02/08/25 21:08
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					

QC Summary

Workorder: **707717**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2746639											
QC1205998787 707717001 PS											
Chloride	5.00		2.66		7.68	mg/L		100	(90%-110%)	CH6	02/10/25 11:11
Fluoride	2.50	J	0.0502		2.50	mg/L		98.1	(90%-110%)		
Sulfate	10.0		0.453		10.0	mg/L		95.8	(90%-110%)		
QC1205998789 707717011 PS											
Chloride	5.00		2.81		7.90	mg/L		102	(90%-110%)		02/10/25 18:22
Fluoride	2.50	U	ND		2.45	mg/L		97.9	(90%-110%)		
Sulfate	10.0		4.05		14.0	mg/L		99	(90%-110%)		02/09/25 07:26
Metals Analysis - ICPMS											
Batch 2746742											
QC1205998964 LCS											
Aluminum	2.00				2.02	mg/L		101	(80%-120%)	PRB	02/20/25 04:41
Antimony	0.0500				0.0492	mg/L		98.4	(80%-120%)		
Arsenic	0.0500				0.0490	mg/L		97.9	(80%-120%)		
Barium	0.0500				0.0517	mg/L		103	(80%-120%)		
Beryllium	0.0500				0.0564	mg/L		113	(80%-120%)		
Boron	0.100				0.112	mg/L		112	(80%-120%)		02/20/25 15:30
Cadmium	0.0500				0.0508	mg/L		102	(80%-120%)		02/20/25 04:41

QC Summary

Workorder: **707717**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2746742										
Calcium	2.00			2.12	mg/L		106	(80%-120%)	PRB	02/20/25 04:41
Chromium	0.0500			0.0493	mg/L		98.7	(80%-120%)		
Cobalt	0.0500			0.0493	mg/L		98.6	(80%-120%)		
Iron	2.00			2.00	mg/L		100	(80%-120%)		
Lead	0.0500			0.0512	mg/L		102	(80%-120%)		
Lithium	0.0500			0.0536	mg/L		107	(80%-120%)		
Magnesium	2.00			2.09	mg/L		104	(80%-120%)		
Manganese	0.0500			0.0499	mg/L		99.7	(80%-120%)		
Molybdenum	0.0500			0.0519	mg/L		104	(80%-120%)		
Potassium	2.00			2.02	mg/L		101	(80%-120%)		
Selenium	0.0500			0.0491	mg/L		98.3	(80%-120%)		
Silver	0.0500			0.0519	mg/L		104	(80%-120%)		
Sodium	2.00			2.05	mg/L		103	(80%-120%)		
Thallium	0.0500			0.0485	mg/L		97	(80%-120%)		

QC Summary

Workorder: **707717**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2746742										
QC1205998963 MB										
Aluminum			U	ND	mg/L				PRB	02/20/25 04:38
Antimony			U	ND	mg/L					
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					02/20/25 15:29
Cadmium			U	ND	mg/L					02/20/25 04:38
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					

QC Summary

Workorder: **707717**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2746742											
Manganese				U	ND	mg/L				PRB	02/20/25 04:38
Molybdenum				U	ND	mg/L					
Potassium				U	ND	mg/L					
Selenium				U	ND	mg/L					
Silver				U	ND	mg/L					
Sodium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1205998965 707717001 MS											
Aluminum	2.00		0.0593		2.17	mg/L		106	(75%-125%)		02/20/25 04:47
Antimony	0.0500	U	ND		0.0503	mg/L		100	(75%-125%)		
Arsenic	0.0500	U	ND		0.0493	mg/L		98	(75%-125%)		
Barium	0.0500		0.0170		0.0706	mg/L		107	(75%-125%)		
Beryllium	0.0500	U	ND		0.0594	mg/L		119	(75%-125%)		
Boron	0.100	J	0.00681		0.120	mg/L		113	(75%-125%)		02/20/25 15:32
Cadmium	0.0500	U	ND		0.0516	mg/L		103	(75%-125%)		02/20/25 04:47

QC Summary

Workorder: **707717**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2746742											
Calcium	2.00		5.98		8.26	mg/L		114	(75%-125%)	PRB	02/20/25 04:47
Chromium	0.0500	J	0.00342		0.0539	mg/L		101	(75%-125%)		
Cobalt	0.0500	U	ND		0.0499	mg/L		99.8	(75%-125%)		
Iron	2.00	J	0.0807		2.10	mg/L		101	(75%-125%)		
Lead	0.0500	U	ND		0.0528	mg/L		106	(75%-125%)		
Lithium	0.0500	U	ND		0.0578	mg/L		113	(75%-125%)		
Magnesium	2.00		3.54		5.76	mg/L		111	(75%-125%)		
Manganese	0.0500	J	0.00163		0.0526	mg/L		102	(75%-125%)		
Molybdenum	0.0500	U	ND		0.0531	mg/L		106	(75%-125%)		
Potassium	2.00		0.973		3.07	mg/L		105	(75%-125%)		
Selenium	0.0500	U	ND		0.0492	mg/L		98.4	(75%-125%)		
Silver	0.0500	U	ND		0.0530	mg/L		106	(75%-125%)		
Sodium	2.00		7.41		9.79	mg/L		119	(75%-125%)		
Thallium	0.0500	U	ND		0.0499	mg/L		99.7	(75%-125%)		

QC Summary

Workorder: **707717**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2746742											
QC1205998966 707717001 MSD											
Aluminum	2.00		0.0593		2.15	mg/L	1.11	104	(0%-20%)	PRB	02/20/25 04:50
Antimony	0.0500	U	ND		0.0499	mg/L	0.809	99.6	(0%-20%)		
Arsenic	0.0500	U	ND		0.0486	mg/L	1.42	96.6	(0%-20%)		
Barium	0.0500		0.0170		0.0676	mg/L	4.4	101	(0%-20%)		
Beryllium	0.0500	U	ND		0.0586	mg/L	1.19	117	(0%-20%)		
Boron	0.100	J	0.00681		0.123	mg/L	2.43	116	(0%-20%)		02/20/25 15:34
Cadmium	0.0500	U	ND		0.0501	mg/L	2.94	100	(0%-20%)		02/20/25 04:50
Calcium	2.00		5.98		8.16	mg/L	1.28	109	(0%-20%)		
Chromium	0.0500	J	0.00342		0.0524	mg/L	2.92	97.9	(0%-20%)		
Cobalt	0.0500	U	ND		0.0491	mg/L	1.66	98.2	(0%-20%)		
Iron	2.00	J	0.0807		2.09	mg/L	0.589	100	(0%-20%)		
Lead	0.0500	U	ND		0.0517	mg/L	2.01	103	(0%-20%)		
Lithium	0.0500	U	ND		0.0552	mg/L	4.62	108	(0%-20%)		
Magnesium	2.00		3.54		5.73	mg/L	0.624	109	(0%-20%)		

QC Summary

Workorder: **707717**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2746742											
Manganese	0.0500	J	0.00163		0.0509	mg/L	3.43	98.5	(0%-20%)	PRB	02/20/25 04:50
Molybdenum	0.0500	U	ND		0.0526	mg/L	0.785	105	(0%-20%)		
Potassium	2.00		0.973		3.03	mg/L	1.25	103	(0%-20%)		
Selenium	0.0500	U	ND		0.0487	mg/L	0.921	97.4	(0%-20%)		
Silver	0.0500	U	ND		0.0520	mg/L	2.02	104	(0%-20%)		
Sodium	2.00		7.41		9.61	mg/L	1.84	110	(0%-20%)		
Thallium	0.0500	U	ND		0.0494	mg/L	0.981	98.7	(0%-20%)		
QC1205998967 707717001 SDILT											
Aluminum			59.3	U	ND	ug/L	N/A		(0%-20%)		02/20/25 04:55
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			17.0	J	3.35	ug/L	1.5		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Boron		J	6.81	U	ND	ug/L	N/A		(0%-20%)		02/20/25 15:37
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/20/25 04:55

QC Summary

Workorder: **707717**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2746742										
Calcium		5980		1160	ug/L	2.84		(0%-20%)	PRB	02/20/25 04:55
Chromium	J	3.42	U	ND	ug/L	N/A		(0%-20%)		
Cobalt	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Iron	J	80.7	U	ND	ug/L	N/A		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		3540		678	ug/L	4.21		(0%-20%)		
Manganese	J	1.63	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Potassium		973	J	188	ug/L	3.33		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Silver	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		7410		1390	ug/L	6.1		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **707717**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Metals Analysis-Mercury												
Batch 2749209												
QC1206003965 707717001 DUP												
Mercury		U	ND	U	ND	mg/L	N/A				JP2	02/13/25 10:12
QC1206003964 LCS												
Mercury	0.00200				0.00197	mg/L			98.7	(80%-120%)		02/13/25 10:09
QC1206003963 MB												
Mercury				U	ND	mg/L						02/13/25 10:07
QC1206003966 707717001 MS												
Mercury	0.00200	U	ND		0.00198	mg/L			99.2	(75%-125%)		02/13/25 10:14
QC1206003967 707717001 SDILT												
Mercury		U	ND	U	ND	ug/L	N/A			(0%-10%)		02/13/25 10:15
Solids Analysis												
Batch 2749227												
QC1206004009 707717010 DUP												
Total Dissolved Solids			69.0		106	mg/L	42.3	*		(0%-5%)	KLP1	02/12/25 15:20
QC1206004007 LCS												
Total Dissolved Solids	300				288	mg/L			96	(95%-105%)		02/12/25 15:20
QC1206004006 MB												
Total Dissolved Solids				U	ND	mg/L						02/12/25 15:20
Batch 2749228												
QC1206004013 707621001 DUP												
Total Dissolved Solids			627		517	mg/L	19.2	*		(0%-5%)	KLP1	02/12/25 15:40
QC1206004011 LCS												
Total Dissolved Solids	300				288	mg/L			96	(95%-105%)		02/12/25 15:40

QC Summary

Workorder: **707717**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 2749228										
QC1206004010 MB										
Total Dissolved Solids			U	ND	mg/L				KLP1	02/12/25 15:40
Titration and Ion Analysis										
Batch 2746703										
QC1205998915 LCS										
Alkalinity, Total as CaCO3	50.0			53.2	mg/L		106	(90%-110%)	JW2	02/07/25 10:20
QC1205998916 LCS										
Alkalinity, Total as CaCO3	15.0			15.7	mg/L		105	(90%-110%)		02/07/25 10:22
QC1205998917 LCSD										
Alkalinity, Total as CaCO3	50.0			53.1	mg/L	0.188	106	(0%-20%)		02/07/25 10:21
QC1205998918 LCSD										
Alkalinity, Total as CaCO3	15.0			15.4	mg/L	1.93	103	(0%-20%)		02/07/25 10:23

Notes:

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Metals--The Matrix spike sample recovery is not within specified control limits
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded
- R Sample results are rejected
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit

QC Summary

Workorder: **707717**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

E %difference of sample and SD is >10%. Sample concentration must meet flagging criteria

NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range

Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies

N1 See case narrative

Y Other specific qualifiers were required to properly define the results. Consult case narrative.

R Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.

B The target analyte was detected in the associated blank.

e 5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes

x Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 707717

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 36
Analytical Batch: 2746742

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2746741

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707717001	ARK-ARGWA-3
707717002	ARK-ARGWA-5
707717003	ARK-ARGWA-12
707717004	ARK-ARGWA-13
707717005	ARK-ARGWA-14
707717006	ARK-ARGWA-24
707717007	ARK-ARGWC-7
707717008	ARK-ARGWC-8
707717009	ARK-ARGWC-9
707717010	ARK-ARGWC-10
707717011	ARK-ARGWC-16
707717012	ARK-ARGWC-17
707717013	ARK-ARGWC-18
707717014	ARK-ARAMW-4
707717015	ARK-AP3-EB-05
707717016	ARK-AP3-EB-06
707717017	ARK-AP3-FD-05
707717018	ARK-AP3-FD-06
707717019	ARK-AP3-FB-05
707717020	ARK-AP3-FB-06
1205998963	Method Blank (MB)**ICP-MS**
1205998964	Laboratory Control Sample (LCS)
1205998967	707717001(ARK-ARGWA-3L) Serial Dilution (SD)
1205998965	707717001(ARK-ARGWA-3S) Matrix Spike (MS)
1205998966	707717001(ARK-ARGWA-3SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 707717004 (ARK-ARGWA-13), 707717005 (ARK-ARGWA-14), 707717008 (ARK-ARGWC-8), 707717011 (ARK-ARGWC-16), 707717013 (ARK-ARGWC-18), 707717014 (ARK-ARAMW-4) and 707717017 (ARK-AP3-FD-05) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	707717						
	004	005	008	011	013	014	017
Boron	5X	1X	10X	10X	20X	10X	10X
Calcium	5X	1X	1X	10X	10X	10X	1X
Magnesium	1X	1X	1X	10X	1X	10X	1X
Sodium	1X	10X	1X	1X	1X	1X	1X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 41
Analytical Batch: 2749209

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 41
Preparation Batch: 2749208

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707717001	ARK-ARGWA-3
707717002	ARK-ARGWA-5
707717003	ARK-ARGWA-12
707717004	ARK-ARGWA-13
707717005	ARK-ARGWA-14
707717006	ARK-ARGWA-24
707717007	ARK-ARGWC-7
707717008	ARK-ARGWC-8
707717009	ARK-ARGWC-9
707717010	ARK-ARGWC-10
707717011	ARK-ARGWC-16
707717012	ARK-ARGWC-17
707717013	ARK-ARGWC-18
707717014	ARK-ARAMW-4
707717015	ARK-AP3-EB-05
707717016	ARK-AP3-EB-06
707717017	ARK-AP3-FD-05
707717018	ARK-AP3-FD-06
707717019	ARK-AP3-FB-05

707717020	ARK-AP3-FB-06
1206003963	Method Blank (MB)**CVAA**
1206003964	Laboratory Control Sample (LCS)
1206003967	707717001(ARK-ARGWA-3L) Serial Dilution (SD)
1206003965	707717001(ARK-ARGWA-3D) Sample Duplicate (DUP)
1206003966	707717001(ARK-ARGWA-3S) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 36
Analytical Batch: 2746639

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707717001	ARK-ARGWA-3
707717002	ARK-ARGWA-5
707717003	ARK-ARGWA-12
707717004	ARK-ARGWA-13
707717005	ARK-ARGWA-14
707717006	ARK-ARGWA-24
707717007	ARK-ARGWC-7
707717008	ARK-ARGWC-8
707717009	ARK-ARGWC-9
707717010	ARK-ARGWC-10
707717011	ARK-ARGWC-16
707717012	ARK-ARGWC-17
707717013	ARK-ARGWC-18
707717014	ARK-ARAMW-4
707717015	ARK-AP3-EB-05
707717016	ARK-AP3-EB-06
707717017	ARK-AP3-FD-05
707717018	ARK-AP3-FD-06
707717019	ARK-AP3-FB-05
707717020	ARK-AP3-FB-06
1205998784	Method Blank (MB)
1205998785	Laboratory Control Sample (LCS)
1205998786	707717001(ARK-ARGWA-3) Sample Duplicate (DUP)
1205998787	707717001(ARK-ARGWA-3) Post Spike (PS)
1205998788	707717011(ARK-ARGWC-16) Sample Duplicate (DUP)
1205998789	707717011(ARK-ARGWC-16) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
Samples 1205998786 (ARK-ARGWA-3DUP), 1205998787 (ARK-ARGWA-3PS), 1205998788 (ARK-ARGWC-16DUP), 1205998789 (ARK-ARGWC-16PS), 707717001 (ARK-ARGWA-3), 707717002 (ARK-ARGWA-5), 707717003 (ARK-ARGWA-12), 707717004 (ARK-ARGWA-13), 707717005 (ARK-ARGWA-14), 707717006 (ARK-ARGWA-24), 707717007 (ARK-ARGWC-7), 707717008 (ARK-ARGWC-8), 707717009 (ARK-ARGWC-9), 707717010 (ARK-ARGWC-10), 707717011 (ARK-ARGWC-16), 707717012 (ARK-ARGWC-17), 707717013 (ARK-ARGWC-18), 707717014 (ARK-ARAMW-4), 707717015 (ARK-AP3-EB-05), 707717016 (ARK-AP3-EB-06), 707717017 (ARK-AP3-FD-05), 707717018 (ARK-AP3-FD-06), 707717019 (ARK-AP3-FB-05) and 707717020 (ARK-AP3-FB-06) were diluted to minimize matrix effects on instrument performance. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	707717									
	002	**003**	**004**	**005**	**006**	**007**	**008**	**011**	**012**	**013**
Chloride	100X	2X	2X	2X	2X	2X	2X	2X	2X	2X
Fluoride	1X	1X	2X	2X	1X	1X	2X	2X	2X	2X
Sulfate	1X	2X	100X	2X	2X	100X	100X	100X	100X	100X

Analyte	707717		
	014	**017**	**018**
Chloride	5X	1X	2X
Fluoride	5X	1X	1X
Sulfate	100X	100X	2X

Miscellaneous Information

Manual Integrations
Samples 1205998786 (ARK-ARGWA-3DUP), 1205998787 (ARK-ARGWA-3PS), 707717001 (ARK-ARGWA-3), 707717002 (ARK-ARGWA-5), 707717003 (ARK-ARGWA-12), 707717010 (ARK-ARGWC-10), 707717013 (ARK-ARGWC-18), 707717017 (ARK-AP3-FD-05) and 707717018 (ARK-AP3-FD-06) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2749227

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707717001	ARK-ARGWA-3

707717002	ARK-ARGWA-5
707717003	ARK-ARGWA-12
707717004	ARK-ARGWA-13
707717005	ARK-ARGWA-14
707717006	ARK-ARGWA-24
707717007	ARK-ARGWC-7
707717008	ARK-ARGWC-8
707717009	ARK-ARGWC-9
707717010	ARK-ARGWC-10
707717011	ARK-ARGWC-16
707717012	ARK-ARGWC-17
707717013	ARK-ARGWC-18
707717014	ARK-ARAMW-4
707717015	ARK-AP3-EB-05
707717016	ARK-AP3-EB-06
707717017	ARK-AP3-FD-05
707717018	ARK-AP3-FD-06
707717020	ARK-AP3-FB-06
1206004006	Method Blank (MB)
1206004007	Laboratory Control Sample (LCS)
1206004009	707717010(ARK-ARGWC-10) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplicate Relative Percent Difference (RPD) Statement
The Relative Percent Difference (RPD) between the sample and duplicate falls outside of the established acceptance limits because of the heterogeneous matrix of the sample:

Analyte	Sample	Value
Total Dissolved Solids	1206004009 (ARK-ARGWC-10DUP)	42.3* (0%-5%)

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2749228

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707717019	ARK-AP3-FB-05
1206004010	Method Blank (MB)
1206004011	Laboratory Control Sample (LCS)
1206004013	707621001(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplicate Relative Percent Difference (RPD) Statement
The Relative Percent Difference (RPD) between the sample and duplicate falls outside of the established acceptance limits because of the heterogeneous matrix of the sample:

Analyte	Sample	Value
Total Dissolved Solids	1206004013 (Non SDG 707621001DUP)	19.2* (0%-5%)

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 17
Analytical Batch: 2746703

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707717001	ARK-ARGWA-3
707717002	ARK-ARGWA-5
707717003	ARK-ARGWA-12
707717004	ARK-ARGWA-13
707717005	ARK-ARGWA-14
707717006	ARK-ARGWA-24
707717007	ARK-ARGWC-7
707717008	ARK-ARGWC-8
707717009	ARK-ARGWC-9
707717010	ARK-ARGWC-10
707717011	ARK-ARGWC-16
707717012	ARK-ARGWC-17
707717013	ARK-ARGWC-18
707717014	ARK-ARAMW-4
1205998915	Laboratory Control Sample (LCS)
1205998916	Laboratory Control Sample (LCS)
1205998917	Laboratory Control Sample Duplicate (LCSD)
1205998918	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Laboratory Control Sample Duplicate (LCSD)
An LCSD was used in place of matrix QC due to limited sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Rev. 1

707717
707718

Page: 1 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 7
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Devon Abuan, Jacob Ashe, Jackson Bankston, Max Moore
Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	NI				NI	NI	NI				<-- Preservative Type (6)
									*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Calcd	Mercury (7470B)	Fe2+/Mn2+ (6020B) Field Filtered				Comments (task_code: ARK-CCR-ASSMT-2025S1)
ARK-ARGWA-3	02-05-25	0940	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWA-5	02-05-25	1215	N	N	WG			8	X		X	X	X	X	X					*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-ARGWA-12	02-05-25	1025	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWA-13	02-05-25	1105	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWA-14	02-06-25	0745	N	N	WG			8	X		X	X	X	X	X					**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-ARGWA-24	02-05-25	1140	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWC-7	02-05-25	1715	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWC-8	02-05-25	1315	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWC-9	02-05-25	1355	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWC-10	02-05-25	1530	N	N	WG			8	X		X	X	X	X	X					

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	02/06/2025			2/6/25
2	2/6/2025 1100					2/6/25 1409
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* ____ °C

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Mine Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. *8260B, 6010B/7470A*) and number of containers provided for each (i.e. *8260B - 3, 6010B/7470A - 1*).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic; Hg= Mercury
Ba = Barium; Se= Selenium
Cd = Cadmium; Ag= Silver
Cr = Chromium; MR= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 7
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:
GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Devon Abuan, Jacob Ashe, Jackson Bankston, Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (*) Known or possible Hazards	Total number of containers	*Metals (6020B) NI	**Metals (6020B) NI	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd NI	Mercury (7470B) NI	Fe2+/ Mn2+ (6020B) Field Filtered NI	<-- Preservative Type (6)	Comments (task_code: ARK-CCR-ASSMT-2025S1)
ARK-ARGWC-16	02-05-25	1455	N	N	WG			7	X		X	X	X	X	X			Only two Radium bottles collected.
ARK-ARGWC-17	02-05-25	1730	N	N	WG			8	X		X	X	X	X	X			*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-ARGWC-18	02-05-25	1545	N	N	WG			8	X		X	X	X	X	X			
ARK-ARAMW-4	02-05-25	1535	N	N	WG			8	X		X	X	X	X	X			
ARK-AP3-EB-05	02-05-25	1440	EB	N	WQ			8	X		X	X		X	X			**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP3-EB-06	02-05-25	1000	EB	N	WQ			6	X		X	X		X	X			
ARK-AP3-FD-05	02-05-25	NA	FD	N	~~WG~~ WQ			6	X		X	X		X	X			
ARK-AP3-FD-06	02-05-25	NA	FD	N	~~WG~~ WQ			6	X		X	X		X	X			
ARK-AP3-FB-05	02-05-25	1245	FB	N	WQ			6	X		X	X		X	X			
ARK-AP3-FB-06	02-05-25	1130	FB	N	WQ			6	X		X	X		X	X			

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	2/6/2025			2/6/25
2			2/6/25			2/6/25 1409
3						

TAT Requested: Normal: X Rush: ___ Specify: ___ (Subject to Surcharge)
Fax Results: [ ] Yes [X] No
Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4
Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3
For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No *Cooler Temp:* ___ °C
> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)
Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

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5.) Sample Analysis Requested. Analytical method requested (i.e. *8260B, 6010B/7470A*) and number of containers provided for each (i.e. *8260B - 3, 6010B/7470A - 1*).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

2/7/2025

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic
Ba = Barium
Cd = Cadmium
Cr = Chromium
Pb = Lead
Hg= Mercury
Se= Selenium
Ag= Silver
MR= Misc. RCRA metals

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 1 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 7
PO Number: GPC82177-0005

GEL Laboratories LLC

gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

707717
707718

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Devon Abuan, Jacob Ashe, Jackson Barnston, Max Moore

Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered	<-- Preservative Type (6)
ARK-ARGWA-3	02-05-25	0940	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWA-5	02-05-25	1215	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWA-12	02-05-25	1025	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWA-13	02-05-25	1105	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWA-14	02-06-25	0745	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWA-24	02-05-25	1140	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWC-7	02-05-25	1715	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWC-8	02-05-25	1315	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWC-9	02-05-25	1355	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWC-10	02-05-25	1530	N	N	WG			8	X		X	X	X	X	X		

Comments (task_code: ARK-CCR-ASSMT-2025S1)

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	02/06/2025			2/6/25
2	2/6/2025 1100			Caprenaka		2/6/25 1409
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

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RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
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Characteristic Hazards
FL = Flammable/Ignitable
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(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 66 of 2508 GW717 Rev1

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 7
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
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Client Name: Georgia Power — Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Devon Abuan, Jacob Ashe, Jackson Barnston, Max Moore

Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered				<-- Preservative Type (6)
									NI	NI				NI	NI	NI				Comments (task_code: ARK-CCR-ASSMT-2025S1)
ARK-ARGWC-16	02-05-25	1455	N	N	WG			7	X		X	X	X	X	X					Only two Radium bottles collected.
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ARK-ARGWC-18	02-05-25	1545	N	N	WG			8	X		X	X	X	X	X					
ARK-ARAMW-4	02-05-25	1535	N	N	WG			8	X		X	X	X	X	X					
ARK-AP3-EB-05	02-05-25	1440	EB	N	WQ			8	X			X		X	X					
ARK-AP3-EB-06	02-05-25	1000	EB	N	WQ			6	X			X		X	X					**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP3-FD-05	02-05-25	NA	FD	N	WQ			6	X			X		X	X					
ARK-AP3-FD-06	02-05-25	NA	FD	N	WQ			6	X			X		X	X					
ARK-AP3-FB-05	02-05-25	1245	FB	N	WQ			6	X			X		X	X					
ARK-AP3-FB-06	02-05-25	1130	FB	N	WQ			6	X			X		X	X					

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	2/06/2025			2/5/25
2			2/6/2025 14:00			2/6/25 1409
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

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Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 67 of 72 SDG: 707717 Rev1

707719
707717 707718

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: | GEL PM: AP

Received By: CLM | Date Received at GEL: 2/6/25

Courier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? (Y)/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	0°		Cooler 6	0°	
2	0°		7	0°	
3	0°				
4	0°				
5	0°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM)/ mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer). Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No). Are liquid VOA vials free of headspace? Yes___ No___ NA___. Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) ID: ARK-ARGWC-18 analysis: metals|Dissolved FF
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) For Sample 15 (ARK-AP3-EB-05) Client provided
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
9.) has no time on sample.
10.) a sample with anions analysis, per COC we Should not have this sample. See attached copy of COC's for directions.

PM (or PMA) review: Initials _____ Date _____

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

Outlook

RE: Sample Receipt Issues (GEL WO 707717)

From Shoredits, Andreas <Andreas.Shoredits@stantec.com>
Date Fri 2/7/2025 11:13 AM
To Alaina Pinnick <Alaina.Pinnick@gel.com>; Team Pinnick <Team.Pinnick@gel.com>
Cc Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Ross, Katie <katie.ross@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>; Lieu, Carole <Carole.Lieu@stantec.com>

3 attachments (16 MB)

COC 161408_ap-1_stantec_correction_2 7 2025_signed.pdf; COC 707431_ap-2_stantec_correction_2 7 2025_signed.pdf; COC 142647_ap-3_stantec_correction_2 7 2025_signed.pdf;

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Good morning Alaina,

I need to correct what I told you previously, because Anions were accidentally removed for analysis from the COC for AP-3 samples. Please run Anions for all QC samples for AP-3, also for ARK-AP3-EB-05" (GEL 707717015). Please note that Alkalinity however does not get analyzed for any QC samples for AP-2 and AP-3.

I have attached amended version for COCs of all three ash ponds. Corrections to these include:

- Adding project/ site name
- Changing sample matrix for field duplicates from WQ to WG
- Adding total number of containers where missing
- Adding Anions analysis where missing for QC samples
- Removing Alkalinity from QC samples where missing

Hopefully I've covered all the discrepancies between the sample bottles and the paperwork and your team can focus and sample analysis now!

Thank you for working with us.

Andreas Shoredits P.G.
Geologist

Direct: 678 327-2932
Mobile: 470 371-9727
Andreas.Shoredits@stantec.com

Stantec
10745 Westside Way Suite 250
Alpharetta GA 30009-7640

Stantec

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From: Alaina Pinnick <Alaina.Pinnick@gel.com>
Sent: Friday, February 7, 2025 10:26 AM
To: Shoredits, Andreas <Andreas.Shoredits@stantec.com>; Team Pinnick <Team.Pinnick@gel.com>
Cc: Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Ross, Katie <katie.ross@stantec.com>; Bankston, Jackson <Jackson.Bankston@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>; Lieu, Carole <Carole.Lieu@stantec.com>
Subject: RE: Sample Receipt Issues (GEL WO 707717)

Good morning,

I just wanted to follow up on this and notify that we received anions containers for the following Sample IDs without a request for the analysis on the COC as well:

- ARK-AP3-EB-06
- ARK-AP3-FD-05
- ARK-AP3-FD-06
- ARK-AP3-FB-05
- ARK-AP3-FB-06

Please advise.

Thank you,
Alaina Pinnick
Project Manager
GEL Laboratories LLC EST. 1981
2040 Savage Road, Charleston, SC 29407
Office Direct: 843.769.7371 Ext. 4443 | Office Main: 843.556.8171 | Fax: 843.766.1178
E-Mail: Alaina.Pinnick@gel.com | Website: www.gel.com
Analytical Testing

From: Alaina Pinnick
Sent: Thursday, February 6, 2025 4:46 PM
To: Shoredits, Andreas <Andreas.Shoredits@stantec.com>; Team Pinnick <Team.Pinnick@gel.com>
Cc: Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Ross, Katie <katie.ross@stantec.com>; Bankston, Jackson <Jackson.Bankston@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>; Lieu, Carole <Carole.Lieu@stantec.com>
Subject: Sample Receipt Issues (GEL WO 707717)

Good afternoon,

For the Sample ID “ARK-AP3-EB-05” (GEL 707717015), we received an Anions container although this analysis is not requested on the COC. Please see attached for the received COC and advise.

Thank you,
Alaina Pinnick
Project Manager

2040 Savage Road, Charleston, SC 29407
Office Direct: 843.769.7371 Ext. 4443 | Office Main: 843.556.8171 | Fax: 843.766.1178
E-Mail: Alaina.Pinnick@gel.com | Website: www.gel.com
Analytical Testing

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Atención: Este correo electrónico proviene de fuera de Stantec. Por favor, tome precauciones adicionales.

List of current GEL Certifications as of 14 May 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

March 06, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 3-Radiochemistry
Work Order: 707718

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 06, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
707718001	ARK-ARGWA-3	Ground Water	02/05/25 09:40	02/06/25 14:09
707718002	ARK-ARGWA-5	Ground Water	02/05/25 12:15	02/06/25 14:09
707718003	ARK-ARGWA-12	Ground Water	02/05/25 10:25	02/06/25 14:09
707718004	ARK-ARGWA-13	Ground Water	02/05/25 11:05	02/06/25 14:09
707718005	ARK-ARGWA-14	Ground Water	02/05/25 07:45	02/06/25 14:09
707718006	ARK-ARGWA-24	Ground Water	02/05/25 11:40	02/06/25 14:09
707718007	ARK-ARGWC-7	Ground Water	02/05/25 17:15	02/06/25 14:09
707718008	ARK-ARGWC-8	Ground Water	02/05/25 13:15	02/06/25 14:09
707718009	ARK-ARGWC-9	Ground Water	02/05/25 13:55	02/06/25 14:09
707718010	ARK-ARGWC-10	Ground Water	02/05/25 15:30	02/06/25 14:09
707718011	ARK-ARGWC-16	Ground Water	02/05/25 14:55	02/06/25 14:09
707718012	ARK-ARGWC-17	Ground Water	02/05/25 17:30	02/06/25 14:09
707718013	ARK-ARGWC-18	Ground Water	02/05/25 15:45	02/06/25 14:09
707718014	ARK-ARAMW-4	Ground Water	02/05/25 15:35	02/06/25 14:09
707718015	ARK-AP3-EB-05	Water	02/05/25 14:40	02/06/25 14:09
707718016	ARK-AP3-EB-06	Water	02/05/25 10:00	02/06/25 14:09

707718017	ARK-AP3-FD-05	Water	02/05/25 12:00	02/06/25 14:09
707718018	ARK-AP3-FD-06	Water	02/05/25 12:00	02/06/25 14:09
707718019	ARK-AP3-FB-05	Water	02/05/25 12:45	02/06/25 14:09
707718020	ARK-AP3-FB-06	Water	02/05/25 11:30	02/06/25 14:09

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

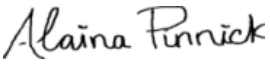
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	06-MAR-2025
EPA 903.1 Modified	06-MAR-2025
EPA 904.0/SW846 9320 Modified	06-MAR-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 707718 GEL Work Order: 707718

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWA-3
Sample ID: 707718001
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.27	+/-1.47	2.22	+/-1.58	3.00	pCi/L			DH1	03/06/25	1117	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.61	+/-1.55	2.22	+/-1.67		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.34	+/-0.511	0.428	+/-0.557	1.00	pCi/L			RS2	03/06/25	0745	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	72.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWA-5
Sample ID: 707718002
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.38	+/-1.17	1.85	+/-1.22	3.00	pCi/L			DH1	03/06/25	1117	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.85	+/-1.21	1.85	+/-1.27		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.468	+/-0.318	0.359	+/-0.334	1.00	pCi/L			RS2	03/06/25	0745	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	76.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWA-12
Sample ID: 707718003
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.21	+/-1.30	2.17	+/-1.34	3.00	pCi/L			DH1	03/06/25	1117	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.96	+/-1.39	2.17	+/-1.43		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.746	+/-0.490	0.655	+/-0.506	1.00	pCi/L			RS2	03/06/25	0745	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	75.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWA-13
Sample ID: 707718004
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.46	+/-1.92	3.26	+/-1.95	3.00	pCi/L			DH1	03/06/25	1115	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.89	+/-1.94	3.26	+/-1.98		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.430	+/-0.315	0.412	+/-0.328	1.00	pCi/L			RS2	03/06/25	0745	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	71.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWA-14
Sample ID: 707718005
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.525	+/-1.34	2.40	+/-1.35	3.00	pCi/L			DH1	03/06/25	1104	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.44	+/-1.41	2.40	+/-1.42		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.918	+/-0.422	0.351	+/-0.447	1.00	pCi/L			RS2	03/06/25	0745	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	76.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWA-24 Project: GPCC01924
Sample ID: 707718006 Client ID: GPCC003
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.00883	+/-0.777	1.57	+/-0.777	3.00	pCi/L			DH1	03/06/25	1105	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.83	+/-0.991	1.57	+/-1.07		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.82	+/-0.616	0.470	+/-0.731	1.00	pCi/L			RS2	03/06/25	0745	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	77	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWC-7
Sample ID: 707718007
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.52	+/-1.08	1.62	+/-1.15	3.00	pCi/L			DH1	03/06/25	1105	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.13	+/-1.21	1.62	+/-1.31		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.61	+/-0.539	0.406	+/-0.618	1.00	pCi/L			RS2	03/06/25	0745	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	73.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWC-8
Sample ID: 707718008
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	-0.0970	+/-0.707	1.46	+/-0.707	3.00	pCi/L			DH1	03/06/25	1105	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.09	+/-0.874	1.46	+/-0.890		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.09	+/-0.515	0.581	+/-0.541	1.00	pCi/L			RS2	03/06/25	0745	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	84.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Address : Company
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Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWC-9
Sample ID: 707718009
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.341	+/-1.20	2.19	+/-1.21	3.00	pCi/L			DH1	03/06/25	1106	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.09	+/-1.27	2.19	+/-1.28		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.752	+/-0.401	0.462	+/-0.418	1.00	pCi/L			RS2	03/06/25	0817	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	77.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWC-10
Sample ID: 707718010
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.14	+/-1.82	3.14	+/-1.84	3.00	pCi/L			DH1	03/06/25	1106	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.50	+/-1.85	3.14	+/-1.88		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.359	+/-0.340	0.534	+/-0.349	1.00	pCi/L			RS2	03/06/25	0817	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	75.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWC-16
Sample ID: 707718011
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	2.25	+/-1.66	2.64	+/-1.76	3.00	pCi/L			DH1	03/06/25	1106	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.69	+/-1.70	2.64	+/-1.80		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.437	+/-0.371	0.523	+/-0.377	1.00	pCi/L			RS2	03/06/25	0817	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	75.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWC-17
Sample ID: 707718012
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.279	+/-1.51	2.78	+/-1.51	3.00	pCi/L			DH1	03/06/25	1107	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.390	+/-1.53	2.78	+/-1.53		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.111	+/-0.218	0.411	+/-0.219	1.00	pCi/L			RS2	03/06/25	0817	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	67.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWC-18
Sample ID: 707718013
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.289	+/-1.14	2.10	+/-1.14	3.00	pCi/L			DH1	03/06/25	1107	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.82	+/-1.28	2.10	+/-1.31		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.53	+/-0.570	0.552	+/-0.634	1.00	pCi/L			RS2	03/06/25	0817	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	76	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARAMW-4 Project: GPCC01924
Sample ID: 707718014 Client ID: GPCC003
Matrix: WG
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.617	+/-1.05	1.85	+/-1.06	3.00	pCi/L			DH1	03/06/25	1107	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.03	+/-1.09	1.85	+/-1.11		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.416	+/-0.305	0.398	+/-0.312	1.00	pCi/L			RS2	03/06/25	0817	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	72.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-AP3-EB-05
Sample ID: 707718015
Matrix: WQ
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.05	+/-1.59	2.75	+/-1.62	3.00	pCi/L			DH1	03/06/25	1107	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.55	+/-1.64	2.75	+/-1.66		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.502	+/-0.385	0.561	+/-0.395	1.00	pCi/L			RS2	03/06/25	0817	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	71.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Atlanta, Georgia 30308 Report Date: March 6, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-AP3-EB-06
Sample ID: 707718016
Matrix: WQ
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.48	+/-1.36	2.21	+/-1.41	3.00	pCi/L			DH1	03/06/25	1107	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.70	+/-1.39	2.21	+/-1.44		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.227	+/-0.267	0.435	+/-0.271	1.00	pCi/L			RS2	03/06/25	0817	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	74.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-AP3-FD-05
Sample ID: 707718017
Matrix: WQ
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.733	+/-1.49	2.59	+/-1.50	3.00	pCi/L			DH1	03/06/25	1207	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.81	+/-1.56	2.59	+/-1.59		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.08	+/-0.481	0.496	+/-0.532	1.00	pCi/L			RS2	03/06/25	0849	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	79.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-AP3-FD-06
Sample ID: 707718018
Matrix: WQ
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.527	+/-1.26	2.28	+/-1.27	3.00	pCi/L			DH1	03/06/25	1207	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.838	+/-1.28	2.28	+/-1.29		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.311	+/-0.241	0.298	+/-0.249	1.00	pCi/L			RS2	03/06/25	0849	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	73.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-AP3-FB-05 Project: GPCC01924
Sample ID: 707718019 Client ID: GPCC003
Matrix: WQ
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.299	+/-1.44	2.68	+/-1.45	3.00	pCi/L			DH1	03/06/25	1208	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.832	+/-1.52	2.68	+/-1.53		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.532	+/-0.489	0.767	+/-0.497	1.00	pCi/L			RS2	03/06/25	0849	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	71.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-AP3-FB-06
Sample ID: 707718020
Matrix: WQ
Collect Date: 05-FEB-25
Receive Date: 06-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	-1.02	+/-1.39	2.92	+/-1.39	3.00	pCi/L			DH1	03/06/25	1208	2747033	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.272	+/-1.42	2.92	+/-1.42		pCi/L			NXL1	03/06/25	1527	2747043	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.272	+/-0.295	0.478	+/-0.299	1.00	pCi/L			RS2	03/06/25	0849	2747307	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2747033	70.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2747043

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707718001	ARK-ARGWA-3
707718002	ARK-ARGWA-5
707718003	ARK-ARGWA-12
707718004	ARK-ARGWA-13
707718005	ARK-ARGWA-14
707718006	ARK-ARGWA-24
707718007	ARK-ARGWC-7
707718008	ARK-ARGWC-8
707718009	ARK-ARGWC-9
707718010	ARK-ARGWC-10
707718011	ARK-ARGWC-16
707718012	ARK-ARGWC-17
707718013	ARK-ARGWC-18
707718014	ARK-ARAMW-4
707718015	ARK-AP3-EB-05
707718016	ARK-AP3-EB-06
707718017	ARK-AP3-FD-05
707718018	ARK-AP3-FD-06
707718019	ARK-AP3-FB-05
707718020	ARK-AP3-FB-06

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2747033

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707718001	ARK-ARGWA-3
707718002	ARK-ARGWA-5

707718003	ARK-ARGWA-12
707718004	ARK-ARGWA-13
707718005	ARK-ARGWA-14
707718006	ARK-ARGWA-24
707718007	ARK-ARGWC-7
707718008	ARK-ARGWC-8
707718009	ARK-ARGWC-9
707718010	ARK-ARGWC-10
707718011	ARK-ARGWC-16
707718012	ARK-ARGWC-17
707718013	ARK-ARGWC-18
707718014	ARK-ARAMW-4
707718015	ARK-AP3-EB-05
707718016	ARK-AP3-EB-06
707718017	ARK-AP3-FD-05
707718018	ARK-AP3-FD-06
707718019	ARK-AP3-FB-05
707718020	ARK-AP3-FB-06
1205999561	Method Blank (MB)
1205999562	707718001(ARK-ARGWA-3) Sample Duplicate (DUP)
1205999563	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

RDL Met
The following RDLs were met with rounding.

Sample	Analyte	Value
707718004 (ARK-ARGWA-13)	Radium-228	Result 1.46 < MDA 3.26 > RDL 3 pCi/L
707718010 (ARK-ARGWC-10)	Radium-228	Result 1.14 < MDA 3.14 > RDL 3 pCi/L

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2747307

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707718001	ARK-ARGWA-3
707718002	ARK-ARGWA-5
707718003	ARK-ARGWA-12

707718004	ARK-ARGWA-13
707718005	ARK-ARGWA-14
707718006	ARK-ARGWA-24
707718007	ARK-ARGWC-7
707718008	ARK-ARGWC-8
707718009	ARK-ARGWC-9
707718010	ARK-ARGWC-10
707718011	ARK-ARGWC-16
707718012	ARK-ARGWC-17
707718013	ARK-ARGWC-18
707718014	ARK-ARAMW-4
707718015	ARK-AP3-EB-05
707718016	ARK-AP3-EB-06
707718017	ARK-AP3-FD-05
707718018	ARK-AP3-FD-06
707718019	ARK-AP3-FB-05
707718020	ARK-AP3-FB-06
1206000039	Method Blank (MB)
1206000040	707718001(ARK-ARGWA-3) Sample Duplicate (DUP)
1206000041	707718001(ARK-ARGWA-3) Matrix Spike (MS)
1206000042	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1206000041 (ARK-ARGWA-3MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

QC Summary

Client : **Georgia Power Company, Southern Company**
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **707718**

Report Date: March 6, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2747033										
QC1205999562 707718001 DUP										
Radium-228		2.27	U	1.54	pCi/L	38.4		(0% - 100%)	DH1	03/06/2512:07
Uncert:		+/-1.47		+/-1.67						
TPU:		+/-1.58		+/-1.71						
QC1205999563 LCS										
Radium-228	84.0			70.6	pCi/L		84.1	(75%-125%)	DH1	03/06/2512:07
Uncert:				+/-5.71						
TPU:				+/-18.8						
QC1205999561 MB										
Radium-228			U	0.109	pCi/L				DH1	03/06/2512:07
Uncert:				+/-1.19						
TPU:				+/-1.19						
Rad Ra-226										
Batch 2747307										
QC1206000040 707718001 DUP										
Radium-226		1.34		1.29	pCi/L	3.75		(0% - 100%)	RS2	03/06/2508:49
Uncert:		+/-0.511		+/-0.454						
TPU:		+/-0.557		+/-0.539						
QC1206000042 LCS										
Radium-226	27.2			24.5	pCi/L		90.1	(75%-125%)	RS2	03/06/2508:49
Uncert:				+/-1.94						
TPU:				+/-5.60						
QC1206000039 MB										
Radium-226			U	0.306	pCi/L				RS2	03/06/2508:49
Uncert:				+/-0.354						
TPU:				+/-0.357						
QC1206000041 707718001 MS										
Radium-226	136	1.34		104	pCi/L		75.9	(75%-125%)	RS2	03/06/2508:49
Uncert:		+/-0.511		+/-8.85						
TPU:		+/-0.557		+/-21.8						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported

QC Summary

Workorder: **707718**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Rev. 1

707717
707718

Page: 1 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 7
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Devon Abuan, Jacob Ashe, Jackson Benkston, Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	NI				NI	NI	NI				<-- Preservative Type (6)
									*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Combd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered				Comments (task_code: ARK-CCR-ASSMT-2025S1)
ARK-ARGWA-3	02-05-25	0940	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWA-5	02-05-25	1215	N	N	WG			8	X		X	X	X	X	X					*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-ARGWA-12	02-05-25	1025	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWA-13	02-05-25	1105	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWA-14	02-06-25	0745	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWA-24	02-05-25	1140	N	N	WG			8	X		X	X	X	X	X					**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-ARGWC-7	02-05-25	1715	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWC-8	02-05-25	1315	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWC-9	02-05-25	1355	N	N	WG			8	X		X	X	X	X	X					
ARK-ARGWC-10	02-05-25	1530	N	N	WG			8	X		X	X	X	X	X					

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stanton	02/06/2025			2/6/25
2			2/6/2025 1100			2/6/25 1409
3						

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)
Fax Results: [ ] Yes [X] No
Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4
Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3
For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* ____ °C
Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.

4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML=Misc Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).

6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic; Hg= Mercury
Ba = Barium; Se= Selenium
Cd = Cadmium; Ag= Silver
Cr = Chromium; MR= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.; High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 7
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Devon Abuan, Jacob Ashe, Jackson Bankston, Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: (If yes, please supply isotopic info.) Radioactive	(7) Known or possible Hazards	Total number of containers	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<-- Preservative Type (6)	Comments (task_code: ARK-CCR-ASSMT-2025S1)
									*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered				
ARK-ARGWC-16	02-05-25	1455	N	N	WG			7	X		X	X	X	X	X					Only two Radium bottles collected.
ARK-ARGWC-17	02-05-25	1730	N	N	WG			8	X		X	X	X	X	X					*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-ARGWC-18	02-05-25	1545	N	N	WG			8	X		X	X	X	X	X					
ARK-ARAMW-4	02-05-25	1535	N	N	WG			8	X		X	X	X	X	X					
ARK-AP3-EB-05	02-05-25	1440	EB	N	WQ			8	X		X	X		X	X					**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP3-EB-06	02-05-25	1000	EB	N	WQ			6	X		X	X		X	X					
ARK-AP3-FD-05	02-05-25	NA	FD	N	~~WG~~ WQ			6	X		X	X		X	X					
ARK-AP3-FD-06	02-05-25	NA	FD	N	~~WG~~ WQ			6	X		X	X		X	X					
ARK-AP3-FB-05	02-05-25	1245	FB	N	WQ			6	X		X	X		X	X					
ARK-AP3-FB-06	02-05-25	1130	FB	N	WQ			6	X		X	X		X	X					

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	2/6/2025			
2			2/6/25 1400			2/6/25 1409
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: Custody Seal Intact? [ ] *Yes* [ ] *No* *Cooler Temp:* ____ °C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.

4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML=Misc Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).

6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank

2/7/2025

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic; Hg= Mercury
Ba = Barium; Se= Selenium
Cd = Cadmium; Ag= Silver
Cr = Chromium; MR= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

Page: 1 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 1 Sample Cooler(s) 7
PO Number: GPC82177-0005

GEL Laboratories LLC
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Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: 707717 707718

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Devon Abuan, Jacob Ashe, Jackson Barnston, Max Moore

Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI *Metals (6020B)	NI **Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Fe2+/ Mn2+ (6020B) Field Filtered	<-- Preservative Type (6)
ARK-ARGWA-3	02-05-25	0940	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWA-5	02-05-25	1215	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWA-12	02-05-25	1025	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWA-13	02-05-25	1105	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWA-14	02-06-25	0745	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWA-24	02-05-25	1140	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWC-7	02-05-25	1715	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWC-8	02-05-25	1315	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWC-9	02-05-25	1355	N	N	WG			8	X		X	X	X	X	X		
ARK-ARGWC-10	02-05-25	1530	N	N	WG			8	X		X	X	X	X	X		

Comments (task_code: ARK-CCR-ASSMT-2025S1)

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	02/06/2025			2/6/25
2	2/6/2025 1100			Caroline Asher		2/6/25 1409
3						

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ◯ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 32 of 35 SDG 707718

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s) 7
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ — Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Devon Abuan, Jacob Ashe, Jackson Barnston, Max Moore

Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered				<-- Preservative Type (6)
ARK-ARGWC-16	02-05-25	1455	N	N	WG			7	X		X	X	X	X	X						Only two Radium bottles collected.
ARK-ARGWC-17	02-05-25	1730	N	N	WG			8	X		X	X	X	X	X						*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-ARGWC-18	02-05-25	1545	N	N	WG			8	X		X	X	X	X	X						
ARK-ARAMW-4	02-05-25	1535	N	N	WG			8	X		X	X	X	X	X						
ARK-AP3-EB-05	02-05-25	1440	EB	N	WQ			8	X			X		X	X						
ARK-AP3-EB-06	02-05-25	1000	EB	N	WQ			6	X			X		X	X						**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
ARK-AP3-FD-05	02-05-25	NA	FD	N	WQ			6	X			X		X	X						
ARK-AP3-FD-06	02-05-25	NA	FD	N	WQ			6	X			X		X	X						
ARK-AP3-FB-05	02-05-25	1245	FB	N	WQ			6	X			X		X	X						
ARK-AP3-FB-06	02-05-25	1130	FB	N	WQ			6	X			X		X	X						

Comments (task_code: ARK-CCR-ASSMT-2025S1)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	2/06/2025			2/5/25
2			2/6/2025 14:00			2/6/25 1409
3						

TAT Requested: Normal: X Rush: _____ Specify: _____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 33 of 35 DocID 707718

707719
707717 707718

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: | GEL PM: AP

Received By: CLM | Date Received at GEL: 2/6/25

Courier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? (Y)N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler 1	0°		Cooler 6	0°	
2	0°		7	0°	
3	0°				
4	0°				
5	0°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) / mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)				If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) ID: ARK-ARGWC-18 analysis: metals|Dissolved FF
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) For Sample 15 (ARK-AP3-EB-05) Client provided
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
9.) has no time on sample.
10.) a sample with anions analysis, per COC we shouldnot have this sample. See attached copy of COC's for directions

PM (or PMA) review: Initials _____ Date _____

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 06 March 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

February 20, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 3-Dissolved Metals
Work Order: 707719

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 06, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
707719001	ARK-ARGWA-3	Ground Water	02/05/25 09:40	02/06/25 14:09
707719002	ARK-ARGWA-5	Ground Water	02/05/25 12:15	02/06/25 14:09
707719003	ARK-ARGWA-12	Ground Water	02/05/25 10:25	02/06/25 14:09
707719004	ARK-ARGWA-13	Ground Water	02/05/25 11:05	02/06/25 14:09
707719005	ARK-ARGWA-14	Ground Water	02/05/25 07:45	02/06/25 14:09
707719006	ARK-ARGWA-24	Ground Water	02/05/25 11:40	02/06/25 14:09
707719007	ARK-ARGWC-7	Ground Water	02/05/25 17:15	02/06/25 14:09
707719008	ARK-ARGWC-8	Ground Water	02/05/25 13:15	02/06/25 14:09
707719009	ARK-ARGWC-9	Ground Water	02/05/25 13:55	02/06/25 14:09
707719010	ARK-ARGWC-10	Ground Water	02/05/25 15:30	02/06/25 14:09
707719011	ARK-ARGWC-16	Ground Water	02/05/25 14:55	02/06/25 14:09
707719012	ARK-ARGWC-17	Ground Water	02/05/25 17:30	02/06/25 14:09
707719013	ARK-ARGWC-18	Ground Water	02/05/25 15:45	02/06/25 14:09
707719014	ARK-ARAMW-4	Ground Water	02/05/25 15:35	02/06/25 14:09

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

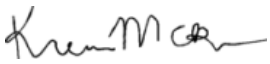
Method	Run Date ID
SW846 3005A	07-FEB-2025
SW846 7470A Prep	11-FEB-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
SW846 3005A/6020B	19-FEB-2025
SW846 3005A/6020B	20-FEB-2025
SW846 7470A	12-FEB-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 707719 GEL Work Order: 707719

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

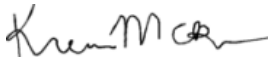
N Metals--The Matrix spike sample recovery is not within specified control limits

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWA-3	Project:	GPCC01924
Sample ID:	707719001	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 09:40		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1902	2746434	1
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWA-5	Project:	GPCC01924
Sample ID:	707719002	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 12:15		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1921	2746434	1
Manganese		0.00904	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWA-12	Project:	GPCC01924
Sample ID:	707719003	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 10:25		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1924	2746434	1
Manganese	J	0.00255	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWA-13	Project:	GPCC01924
Sample ID:	707719004	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 11:05		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1927	2746434	1
Manganese		0.00505	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWA-14	Project:	GPCC01924
Sample ID:	707719005	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 07:45		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Dissolved Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/12/25	1051	2748341	1
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	BCD1	02/19/25	1929	2746434	2
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0546	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		35.4	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00368	0.00300	0.0100	mg/L	1.00	1					
Magnesium		6.25	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00205	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000523	0.000200	0.00100	mg/L	1.00	1					
Potassium		2.91	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0324	0.00520	0.0150	mg/L	1.00	1	BCD1	02/20/25	1341	2746434	3
Sodium		55.2	0.400	1.25	mg/L	1.00	5	BCD1	02/20/25	1340	2746434	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/11/25	1200	2748339

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	
2	SW846 3005A/6020B	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	

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Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWA-14	Project:	GPCC01924
Sample ID:	707719005	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Company :	Georgia Power Company, Southern Company
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	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWA-24	Project:	GPCC01924
Sample ID:	707719006	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 11:40		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1932	2746434	1
Manganese	J	0.00344	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWC-7	Project:	GPCC01924
Sample ID:	707719007	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 17:15		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1934	2746434	1
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWC-8	Project:	GPCC01924
Sample ID:	707719008	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 13:15		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1937	2746434	1
Manganese		0.332	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWC-9	Project:	GPCC01924
Sample ID:	707719009	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 13:55		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1945	2746434	1
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWC-10	Project:	GPCC01924
Sample ID:	707719010	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 15:30		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	J	0.0665	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1948	2746434	1
Manganese	J	0.00197	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWC-16	Project:	GPCC01924
Sample ID:	707719011	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 14:55		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	U	ND	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1950	2746434	1
Manganese		0.398	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWC-17	Project:	GPCC01924
Sample ID:	707719012	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 17:30		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron	J	0.0800	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1953	2746434	1
Manganese		0.938	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWC-18	Project:	GPCC01924
Sample ID:	707719013	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 15:45		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Dissolved Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/12/25	1056	2748341	1
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Metals* "As Received"												
Aluminum		0.0878	0.0193	0.0500	mg/L	1.00	1	BCD1	02/19/25	1956	2746434	2
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0353	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000960	0.000300	0.00100	mg/L	1.00	1					
Iron		1.16	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00471	0.00300	0.0100	mg/L	1.00	1					
Magnesium		45.2	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.873	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		2.37	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		13.3	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		2.69	0.104	0.300	mg/L	1.00	20	BCD1	02/20/25	1417	2746434	3
Calcium		56.0	0.400	1.00	mg/L	1.00	5	BCD1	02/20/25	1400	2746434	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/11/25	1200	2748339

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	
2	SW846 3005A/6020B	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	

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Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARGWC-18	Project:	GPCC01924
Sample ID:	707719013	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 20, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Metals

Client Sample ID:	ARK-ARAMW-4	Project:	GPCC01924
Sample ID:	707719014	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	05-FEB-25 15:35		
Receive Date:	06-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Fe & Mn "As Received"												
Iron		1.03	0.0330	0.100	mg/L	1.00	1	BCD1	02/19/25	1958	2746434	1
Manganese		0.531	0.00100	0.00500	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	PB1	02/07/25	1420	2746433

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: February 20, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **707719**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch 2746434											
QC1205998338 LCS											
Aluminum	2.00			2.10	mg/L		105	(80%-120%)	BCD1	02/19/25	19:00
Antimony	0.0500			0.0496	mg/L		99.1	(80%-120%)			
Arsenic	0.0500			0.0496	mg/L		99.1	(80%-120%)			
Barium	0.0500			0.0519	mg/L		104	(80%-120%)			
Beryllium	0.0500			0.0588	mg/L		118	(80%-120%)			
Boron	0.100			0.110	mg/L		110	(80%-120%)			
Cadmium	0.0500			0.0508	mg/L		102	(80%-120%)			
Calcium	2.00			2.16	mg/L		108	(80%-120%)			
Chromium	0.0500			0.0509	mg/L		102	(80%-120%)			
Cobalt	0.0500			0.0504	mg/L		101	(80%-120%)			
Iron	2.00			1.99	mg/L		99.5	(80%-120%)			
Lead	0.0500			0.0532	mg/L		106	(80%-120%)			
Lithium	0.0500			0.0569	mg/L		114	(80%-120%)			

QC Summary

Workorder: **707719**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2746434										
Magnesium	2.00			2.12	mg/L		106	(80%-120%)	BCD1	02/19/25 19:00
Manganese	0.0500			0.0500	mg/L		99.9	(80%-120%)		
Molybdenum	0.0500			0.0505	mg/L		101	(80%-120%)		
Potassium	2.00			2.05	mg/L		103	(80%-120%)		
Selenium	0.0500			0.0477	mg/L		95.5	(80%-120%)		
Silver	0.0500			0.0533	mg/L		107	(80%-120%)		
Sodium	2.00			2.14	mg/L		107	(80%-120%)		
Thallium	0.0500			0.0514	mg/L		103	(80%-120%)		
QC1205998337 MB										
Aluminum			U	ND	mg/L					02/19/25 18:57
Antimony			U	ND	mg/L					
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					

QC Summary

Workorder: **707719**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2746434										
Cadmium			U	ND	mg/L				BCD1	02/19/25 18:57
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead				0.00148	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					
Manganese			U	ND	mg/L					
Molybdenum			U	ND	mg/L					
Potassium			U	ND	mg/L					
Selenium			U	ND	mg/L					
Silver			U	ND	mg/L					
Sodium			U	ND	mg/L					

QC Summary

Workorder: **707719**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2746434											
Thallium				U	ND	mg/L				BCD1	02/19/25 18:57
QC1205998339 707719001 MS											
Aluminum	2.00	U	ND		2.12	mg/L		105	(75%-125%)		02/19/25 19:05
Antimony	0.0500	U	ND		0.0491	mg/L		98.1	(75%-125%)		
Arsenic	0.0500	U	ND		0.0495	mg/L		97.5	(75%-125%)		
Barium	0.0500		0.0170		0.0665	mg/L		99.1	(75%-125%)		
Beryllium	0.0500	U	ND		0.0621	mg/L		124	(75%-125%)		
Boron	0.100	J	0.00529		0.123	mg/L		118	(75%-125%)		
Cadmium	0.0500	U	ND		0.0501	mg/L		100	(75%-125%)		
Calcium	2.00		5.81		8.01	mg/L		110	(75%-125%)		
Chromium	0.0500	J	0.00318		0.0523	mg/L		98.3	(75%-125%)		
Cobalt	0.0500	U	ND		0.0484	mg/L		96.8	(75%-125%)		
Iron	2.00	U	ND		1.97	mg/L		97.2	(75%-125%)		
Lead	0.0500	U	ND		0.0525	mg/L		105	(75%-125%)		
Lithium	0.0500	U	ND		0.0596	mg/L		118	(75%-125%)		

QC Summary

Workorder: **707719**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2746434											
Magnesium	2.00		3.67		5.81	mg/L		107	(75%-125%)	BCD1	02/19/25 19:05
Manganese	0.0500	U	ND		0.0490	mg/L		96.7	(75%-125%)		
Molybdenum	0.0500	U	ND		0.0506	mg/L		101	(75%-125%)		
Potassium	2.00		1.01		3.06	mg/L		102	(75%-125%)		
Selenium	0.0500	U	ND		0.0488	mg/L		97.7	(75%-125%)		
Silver	0.0500	U	ND		0.0523	mg/L		104	(75%-125%)		
Sodium	2.00		7.71		10.3	mg/L		130*	(75%-125%)		
Thallium	0.0500	U	ND		0.0501	mg/L		100	(75%-125%)		
QC1205998340 707719001 MSD											
Aluminum	2.00	U	ND		2.12	mg/L	0.106	105	(0%-20%)		02/19/25 19:08
Antimony	0.0500	U	ND		0.0487	mg/L	0.809	97.4	(0%-20%)		
Arsenic	0.0500	U	ND		0.0496	mg/L	0.0948	97.6	(0%-20%)		
Barium	0.0500		0.0170		0.0692	mg/L	4.03	105	(0%-20%)		
Beryllium	0.0500	U	ND		0.0586	mg/L	5.82	117	(0%-20%)		
Boron	0.100	J	0.00529		0.115	mg/L	7.2	109	(0%-20%)		

QC Summary

Workorder: **707719**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2746434												
Cadmium	0.0500	U	ND		0.0501	mg/L	0.0499	100	(0%-20%)	BCD1	02/19/25	19:08
Calcium	2.00		5.81		8.02	mg/L	0.143	110	(0%-20%)			
Chromium	0.0500	J	0.00318		0.0530	mg/L	1.27	99.6	(0%-20%)			
Cobalt	0.0500	U	ND		0.0495	mg/L	2.23	99	(0%-20%)			
Iron	2.00	U	ND		2.01	mg/L	2.13	99.3	(0%-20%)			
Lead	0.0500	U	ND		0.0534	mg/L	1.78	107	(0%-20%)			
Lithium	0.0500	U	ND		0.0566	mg/L	5.22	112	(0%-20%)			
Magnesium	2.00		3.67		5.64	mg/L	2.81	98.5	(0%-20%)			
Manganese	0.0500	U	ND		0.0511	mg/L	4.16	101	(0%-20%)			
Molybdenum	0.0500	U	ND		0.0502	mg/L	0.812	100	(0%-20%)			
Potassium	2.00		1.01		3.10	mg/L	1.31	105	(0%-20%)			
Selenium	0.0500	U	ND		0.0478	mg/L	2.28	95.5	(0%-20%)			
Silver	0.0500	U	ND		0.0511	mg/L	2.21	102	(0%-20%)			
Sodium	2.00		7.71		9.91	mg/L	3.99	110	(0%-20%)			

QC Summary

Workorder: **707719**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2746434												
Thallium	0.0500	U	ND		0.0507	mg/L	1.26	101	(0%-20%)	BCD1	02/19/25	19:08
QC1206012407 707719001 PS												
Sodium	2000		7710		10200	ug/L		125	(75%-125%)		02/19/25	19:11
QC1205998341 707719001 SDILT												
Aluminum		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/19/25	19:13
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Barium			17.0	J	3.46	ug/L	1.91		(0%-20%)			
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Boron		J	5.29	U	ND	ug/L	N/A		(0%-20%)			
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Calcium			5810		1200	ug/L	2.8		(0%-20%)			
Chromium		J	3.18	U	ND	ug/L	N/A		(0%-20%)			
Cobalt		U	ND	U	ND	ug/L	N/A		(0%-20%)			
Iron		U	ND	U	ND	ug/L	N/A		(0%-20%)			

QC Summary

Workorder: **707719**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2746434										
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)	BCD1	02/19/25 19:13
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		3670		729	ug/L	.827		(0%-20%)		
Manganese	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Potassium		1010	J	202	ug/L	.119		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Silver	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		7710		1500	ug/L	2.53		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2748341										
QC1206002195 LCS										
Mercury 0.00200				0.00208	mg/L		104	(80%-120%)	JP2	02/12/25 10:18
QC1206002194 MB										
Mercury			U	ND	mg/L					02/12/25 10:17
QC1206002196 706092025 MS										
Mercury 0.00200	U	ND		0.00174	mg/L		87.1	(75%-125%)		02/12/25 10:44

QC Summary

Workorder: **707719**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-Mercury											
Batch 2748341											
QC1206002197 706092025 MSD											
Mercury	0.00200	U	ND		0.00173	mg/L	0.865	86.4	(0%-20%)	JP2	02/12/25 10:46
QC1206002198 706092025 SDILT											
Mercury		U	ND	U	ND	ug/L	N/A		(0%-10%)		02/12/25 10:48

Notes:

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals
Technical Case Narrative
Georgia Power Company
SDG #: 707719

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 36
Analytical Batch: 2746434

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2746433

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707719001	ARK-ARGWA-3
707719002	ARK-ARGWA-5
707719003	ARK-ARGWA-12
707719004	ARK-ARGWA-13
707719005	ARK-ARGWA-14
707719006	ARK-ARGWA-24
707719007	ARK-ARGWC-7
707719008	ARK-ARGWC-8
707719009	ARK-ARGWC-9
707719010	ARK-ARGWC-10
707719011	ARK-ARGWC-16
707719012	ARK-ARGWC-17
707719013	ARK-ARGWC-18
707719014	ARK-ARAMW-4
1205998337	Method Blank (MB)**ICP-MS**
1205998338	Laboratory Control Sample (LCS)
1205998341	707719001(ARK-ARGWA-3L) Serial Dilution (SD)
1205998339	707719001(ARK-ARGWA-3S) Matrix Spike (MS)
1205998340	707719001(ARK-ARGWA-3SD) Matrix Spike Duplicate (MSD)
1206012407	707719001(ARK-ARGWA-3PS) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Quality Control (QC) Information

Method Blank (MB) Statement
The method blank analyzed with this SDG did not contain analytes of interest above the CRDL, with the exception of:

Sample	Analyte	Value
1205998337 (MB)	Lead	1.48 * 10 > .008

The samples in this SDG did not contain the above noted analytes at concentrations higher than the RDL, therefore the data was not adversely affected. 707719005 (ARK-ARGWA-14) and 707719013 (ARK-ARGWC-18).

Matrix Spike (MS/MSD) Recovery Statement
The percent recoveries (%R) obtained from the MS/MSD analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The MS/MSD (See Below) did not meet the recommended quality control acceptance criteria for percent recoveries for the following applicable analyte. The post spike recovery was within the required control limits. This verifies the absence of a matrix interference in the post-spike digested sample. The recovery may be attributed to possible sample matrix interference and/or non-homogeneity.

Sample	Analyte	Value
1205998339 (ARK-ARGWA-3MS)	Sodium	130* (75%-125%)

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 707719005 (ARK-ARGWA-14) and 707719013 (ARK-ARGWC-18) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	707719	
	005	013
Boron	1X	20X
Calcium	1X	5X
Sodium	5X	1X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 41
Analytical Batch: 2748341

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 41
Preparation Batch: 2748339

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
707719005	ARK-ARGWA-14
707719013	ARK-ARGWC-18
1206002194	Method Blank (MB)**CVAA**

1206002195	Laboratory Control Sample (LCS)
1206002198	706092025(NonSDGL) Serial Dilution (SD)
1206002196	706092025(NonSDGS) Matrix Spike (MS)
1206002197	706092025(NonSDGSD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 2

Project # 175569434

GEL Quote #:

COC Number (1): 5 Sample Cooler(s) 7

PO Number: GPC82177-0005

Page 33 of 36 SDG 707719

GEL Laboratories LLC

gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

707719

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Devon Abuan, Jacob Ashe, Jackson Barnston, Max Moore

Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	*Metals (6020B) NI	**Metals (6020B) NI	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd NI	Mercury (7470B) NI	Fe2+/ Mn2+ (6020B) Field Filtered NI	*Metals (6020B) Field Filtered NI			<-- Preservative Type (6)
ARK-ARGWA-3	02-05-25	0940	N	Y	WG			1								X				
ARK-ARGWA-5	02-05-25	1215	N	Y	WG			1								X				
ARK-ARGWA-12	02-05-25	1025	N	Y	WG			1								X				
ARK-ARGWA-13	02-05-25	1105	N	Y	WG			1								X				
ARK-ARGWA-14	02-06-25	0745	N	Y	WG			1									X			
ARK-ARGWA-24	02-05-25	1140	N	Y	WG			1								X				
ARK-ARGWC-7	02-05-25	1715	N	Y	WG			1								X				
ARK-ARGWC-8	02-05-25	1315	N	Y	WG			1								X				
ARK-ARGWC-9	02-05-25	1355	N	Y	WG			1								X				
ARK-ARGWC-10	02-05-25	1530	N	Y	WG			1								X				

Comments (task_code: ARK-CCR-ASSMT-2025S1)

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Additional analysis of filtered sample for *Metals (see above)

**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	02/06/2025	1		2/6/25
2			2/6/25	2 CMcmahon		2/6/25 1409
3				3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** ____ °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number (1): 5 Sample Cooler(s) 7
PO Number: GPC82177-0005

Page 94 of 96 SDG 760719

GEL Laboratories LLC
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Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Devon Abuan, Jacob Ashe, Jackson Barkston, Max Moore Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered	*Metals (6020B) Field Filtered			<-- Preservative Type (6)
									NI	NI				NI	NI	NI	NI			Comments (task_code: ARK-CCR-ASSMT-2025S1)
ARK-ARGWC-16	02-05-25	1455	N	Y	WG			1								X				*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl Additional analysis of filtered sample for *Metals (see above)
ARK-ARGWC-17	02-05-25	1730	N	Y	WG			1								X				
ARK-ARGWC-18	02-05-25	1545	N	Y	WG			1									X			
ARK-ARAMW-4	02-05-25	1535	N	Y	WG			1								X				
																				**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Stantec	02/06/2025	1		2/6/25
2			2/6/25	2		2/6/25 1409
3				3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

***Sample Collection Time Zone*:** [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

707719
707717 707718

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: | GEL PM: AP

Received By: CLM | Date Received at GEL: 2/6/25

Courier (Circle Applicable): FedEx Express FedEx Ground UPS Field Services (Courier) Client Other: | IR Temp gun # IR5-23 Daily Calibration Performed? (Y)/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler 1	0°		Cooler 6	0°	
2	0°		7	0°	
3	0°				
4	0°				
5	0°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) / mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer). Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No). Are liquid VOA vials free of headspace? Yes___ No___ NA___. Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) ID: ARK-ARGWC-18 analysis: metals/Dissolved FF
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) For Sample 15 (ARK-AP3-EB-05) Client provided
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

9.) has no time on sample.

10.) a sample with anions analysis, per COC we should not have this sample. See attached copy of COC's for directions

PM (or PMA) review: Initials _____ Date _____

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 20 February 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

May 14, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 3- Total Metals*
Work Order: 708970

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 14, 2025. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 708970 in the left-hand footer of the data report. This package has been updated to exclude the previously entered limits and report Appendix IV Metals using GEL PQLs

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
708970001	ARK-ARGWC-15	Ground Water	02/13/25 12:55	02/14/25 07:35

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
SW846 3005A	15-FEB-2025
SW846 7470A Prep	18-FEB-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	16-FEB-2025
SM 2320B	14-FEB-2025
SM 2540C	20-FEB-2025
SW846 3005A/6020B	23-FEB-2025
SW846 7470A	19-FEB-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,

Alaina Pinnick

Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 708970 GEL Work Order: 708970

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

H Analytical holding time was exceeded

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3- Total Metals*

Client Sample ID:	ARK-ARGWC-15	Project:	GPCC01924
Sample ID:	708970001	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	13-FEB-25 12:55		
Receive Date:	14-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.48	0.0670	0.200	mg/L		1	TXT1	02/16/25	0110	2751425	1
Fluoride	J	0.0561	0.0330	0.100	mg/L		1					
Sulfate		4.29	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/19/25	1119	2752239	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Aluminum		0.122	0.0193	0.0500	mg/L	1.00	1	BAJ	02/23/25	2210	2751165	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0229	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron	J	0.00936	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		17.6	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00127	0.000300	0.00100	mg/L	1.00	1					
Iron		0.152	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00369	0.00300	0.0100	mg/L	1.00	1					
Magnesium		8.18	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00278	0.00100	0.00500	mg/L	1.00	1					
Molybdenum		0.00105	0.000200	0.00100	mg/L	1.00	1					
Potassium		7.51	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		7.71	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		114	2.38	10.0	mg/L			RR4	02/20/25	1131	2753490	4
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3- Total Metals*

Client Sample ID:	ARK-ARGWC-15	Project:	GPCC01924
Sample ID:	708970001	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		97.9	0.725	2.00	mg/L			JW2	02/14/25	1105	2751033	5
Bicarbonate alkalinity (CaCO3)		97.9	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BB2	02/15/25	0800	2751164
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/18/25	1115	2752236

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SM 2540C	
5	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: May 14, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **708970**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2751425										
QC1206008399 708372007 DUP										
Chloride		18.7		18.7	mg/L	0.0986		(0%-20%)	TXT1	02/17/25 15:47
Fluoride		0.669		0.664	mg/L	0.751		(0%-20%)		02/15/25 23:05
Sulfate		251		250	mg/L	0.269		(0%-20%)		02/17/25 17:21
QC1206008396 LCS										
Chloride	5.00			4.61	mg/L		92.3	(90%-110%)		02/15/25 12:37
Fluoride	2.50			2.40	mg/L		95.9	(90%-110%)		
Sulfate	10.0			9.42	mg/L		94.2	(90%-110%)		
QC1206008395 MB										
Chloride			U	ND	mg/L					02/15/25 12:06
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					
QC1206008400 708372007 PS										
Chloride	5.00	4.67		9.79	mg/L		102	(90%-110%)		02/17/25 16:19
Fluoride	2.50	0.669		3.05	mg/L		95.3	(90%-110%)		02/16/25 00:39
Sulfate	10.0	12.5		22.8	mg/L		103	(90%-110%)		02/17/25 17:53

QC Summary

Workorder: **708970**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2751165										
QC1206007889 LCS										
Aluminum	2.00			2.06	mg/L		103	(80%-120%)	BAJ	02/23/25 22:07
Antimony	0.0500			0.0483	mg/L		96.5	(80%-120%)		
Arsenic	0.0500			0.0494	mg/L		98.7	(80%-120%)		
Barium	0.0500			0.0510	mg/L		102	(80%-120%)		
Beryllium	0.0500			0.0572	mg/L		114	(80%-120%)		
Boron	0.100			0.108	mg/L		108	(80%-120%)		
Cadmium	0.0500			0.0506	mg/L		101	(80%-120%)		
Calcium	2.00			2.09	mg/L		104	(80%-120%)		
Chromium	0.0500			0.0501	mg/L		100	(80%-120%)		
Cobalt	0.0500			0.0497	mg/L		99.4	(80%-120%)		
Iron	2.00			1.99	mg/L		99.7	(80%-120%)		
Lead	0.0500			0.0503	mg/L		101	(80%-120%)		
Lithium	0.0500			0.0550	mg/L		110	(80%-120%)		
Magnesium	2.00			2.10	mg/L		105	(80%-120%)		

QC Summary

Workorder: **708970**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2751165										
Manganese	0.0500			0.0507	mg/L		101	(80%-120%)	BAJ	02/23/25 22:07
Molybdenum	0.0500			0.0507	mg/L		101	(80%-120%)		
Potassium	2.00			2.02	mg/L		101	(80%-120%)		
Selenium	0.0500			0.0501	mg/L		100	(80%-120%)		
Silver	0.0500			0.0512	mg/L		102	(80%-120%)		
Sodium	2.00			2.08	mg/L		104	(80%-120%)		
Thallium	0.0500			0.0480	mg/L		96	(80%-120%)		
QC1206007888 MB										
Aluminum			U	ND	mg/L					02/23/25 22:04
Antimony			U	ND	mg/L					
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					
Cadmium			U	ND	mg/L					

QC Summary

Workorder: **708970**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch 2751165											
Calcium			U	ND	mg/L				BAJ	02/23/25	22:04
Chromium			U	ND	mg/L						
Cobalt			U	ND	mg/L						
Iron			U	ND	mg/L						
Lead			U	ND	mg/L						
Lithium			U	ND	mg/L						
Magnesium			U	ND	mg/L						
Manganese			U	ND	mg/L						
Molybdenum			U	ND	mg/L						
Potassium			U	ND	mg/L						
Selenium			U	ND	mg/L						
Silver			U	ND	mg/L						
Sodium			U	ND	mg/L						
Thallium			U	ND	mg/L						

QC Summary

Workorder: **708970**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2751165											
QC1206007890 708970001 MS											
Aluminum	2.00		0.122		2.26	mg/L		107	(75%-125%)	BAJ	02/23/25 22:12
Antimony	0.0500	U	ND		0.0476	mg/L		94.7	(75%-125%)		
Arsenic	0.0500	U	ND		0.0501	mg/L		98.3	(75%-125%)		
Barium	0.0500		0.0229		0.0726	mg/L		99.4	(75%-125%)		
Beryllium	0.0500	U	ND		0.0570	mg/L		114	(75%-125%)		
Boron	0.100	J	0.00936		0.116	mg/L		106	(75%-125%)		
Cadmium	0.0500	U	ND		0.0501	mg/L		100	(75%-125%)		
Calcium	2.00		17.6		19.6	mg/L		N/A	(75%-125%)		
Chromium	0.0500	U	ND		0.0503	mg/L		97.7	(75%-125%)		
Cobalt	0.0500		0.00127		0.0501	mg/L		97.7	(75%-125%)		
Iron	2.00		0.152		2.15	mg/L		99.8	(75%-125%)		
Lead	0.0500	U	ND		0.0487	mg/L		97.2	(75%-125%)		
Lithium	0.0500	J	0.00369		0.0591	mg/L		111	(75%-125%)		
Magnesium	2.00		8.18		10.4	mg/L		N/A	(75%-125%)		

QC Summary

Workorder: **708970**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2751165											
Manganese	0.0500	J	0.00278		0.0523	mg/L		98.9	(75%-125%)	BAJ	02/23/25 22:12
Molybdenum	0.0500		0.00105		0.0517	mg/L		101	(75%-125%)		
Potassium	2.00		7.51		9.77	mg/L		113	(75%-125%)		
Selenium	0.0500	U	ND		0.0511	mg/L		101	(75%-125%)		
Silver	0.0500	U	ND		0.0499	mg/L		99.9	(75%-125%)		
Sodium	2.00		7.71		10.0	mg/L		117	(75%-125%)		
Thallium	0.0500	U	ND		0.0468	mg/L		93.5	(75%-125%)		
QC1206007891 708970001 MSD											
Aluminum	2.00		0.122		2.31	mg/L	1.94	109	(0%-20%)		02/23/25 22:15
Antimony	0.0500	U	ND		0.0485	mg/L	1.89	96.5	(0%-20%)		
Arsenic	0.0500	U	ND		0.0505	mg/L	0.809	99.1	(0%-20%)		
Barium	0.0500		0.0229		0.0740	mg/L	1.95	102	(0%-20%)		
Beryllium	0.0500	U	ND		0.0577	mg/L	1.19	115	(0%-20%)		
Boron	0.100	J	0.00936		0.118	mg/L	1.8	108	(0%-20%)		
Cadmium	0.0500	U	ND		0.0506	mg/L	1.01	101	(0%-20%)		

QC Summary

Workorder: **708970**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2751165											
Calcium	2.00		17.6		20.1	mg/L	2.35	N/A	(0%-20%)	BAJ	02/23/25 22:15
Chromium	0.0500	U	ND		0.0517	mg/L	2.71	101	(0%-20%)		
Cobalt	0.0500		0.00127		0.0511	mg/L	1.86	99.6	(0%-20%)		
Iron	2.00		0.152		2.22	mg/L	3.52	104	(0%-20%)		
Lead	0.0500	U	ND		0.0494	mg/L	1.58	98.7	(0%-20%)		
Lithium	0.0500	J	0.00369		0.0600	mg/L	1.47	113	(0%-20%)		
Magnesium	2.00		8.18		10.3	mg/L	0.388	N/A	(0%-20%)		
Manganese	0.0500	J	0.00278		0.0535	mg/L	2.33	101	(0%-20%)		
Molybdenum	0.0500		0.00105		0.0528	mg/L	2.21	104	(0%-20%)		
Potassium	2.00		7.51		9.82	mg/L	0.48	115	(0%-20%)		
Selenium	0.0500	U	ND		0.0515	mg/L	0.846	102	(0%-20%)		
Silver	0.0500	U	ND		0.0505	mg/L	1.16	101	(0%-20%)		
Sodium	2.00		7.71		10.1	mg/L	0.344	119	(0%-20%)		
Thallium	0.0500	U	ND		0.0475	mg/L	1.6	95	(0%-20%)		

QC Summary

Workorder: **708970**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2751165										
QC1206007892 708970001 SDILT										
Aluminum		122	J	25.2	ug/L	3.1		(0%-20%)	BAJ	02/23/25 22:21
Antimony	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Arsenic	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium		22.9		4.73	ug/L	3.36		(0%-20%)		
Beryllium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Boron	J	9.36	U	ND	ug/L	N/A		(0%-20%)		
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Calcium		17600		3680	ug/L	4.62		(0%-20%)		
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Cobalt		1.27	U	ND	ug/L	N/A		(0%-20%)		
Iron		152	U	ND	ug/L	N/A		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	J	3.69	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		8180		1610	ug/L	1.33		(0%-20%)		

QC Summary

Workorder: **708970**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2751165										
Manganese	J	2.78	U	ND	ug/L	N/A		(0%-20%)	BAJ	02/23/25 22:21
Molybdenum		1.05	J	0.233	ug/L	11.2		(0%-20%)		
Potassium		7510		1520	ug/L	1.25		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Silver	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		7710		1560	ug/L	1.04		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2752239										
QC1206010197 708390001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	02/19/25 10:48
QC1206010196 LCS										
Mercury 0.00200				0.00196	mg/L		98.1	(80%-120%)		02/19/25 10:45
QC1206010195 MB										
Mercury			U	ND	mg/L					02/19/25 10:43
QC1206010198 708390001 MS										
Mercury 0.00200	U	ND		0.00195	mg/L		97.3	(75%-125%)		02/19/25 10:53
QC1206010199 708390001 SDILT										
Mercury	U	ND	U	ND	ug/L	N/A		(0%-10%)		02/19/25 10:55

QC Summary

Workorder: **708970**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 2753490										
QC1206012712 709037016 DUP										
Total Dissolved Solids		109		113	mg/L	3.6		(0%-5%)	RR4	02/20/25 11:31
QC1206012710 LCS										
Total Dissolved Solids	300			298	mg/L		99.3	(95%-105%)		02/20/25 11:31
QC1206012709 MB										
Total Dissolved Solids			U	ND	mg/L					02/20/25 11:31
Titration and Ion Analysis										
Batch 2751033										
QC1206007668 708966002 DUP										
Alkalinity, Total as CaCO3		65.2		64.7	mg/L	0.77		(0%-20%)	JW2	02/14/25 11:02
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A				
QC1206007667 LCS										
Alkalinity, Total as CaCO3	50.0			53.2	mg/L		106	(90%-110%)		02/14/25 10:58
QC1206007669 708966002 MS										
Alkalinity, Total as CaCO3	50.0	65.2		118	mg/L		106	(80%-120%)		02/14/25 11:03

Notes:

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Metals--The Matrix spike sample recovery is not within specified control limits
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded
- R Sample results are rejected

QC Summary

Workorder: **708970**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 36
Analytical Batch: 2751165

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2751164

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
708970001	ARK-ARGWC-15
1206007888	Method Blank (MB)**ICP-MS**
1206007889	Laboratory Control Sample (LCS)
1206007892	708970001(ARK-ARGWC-15L) Serial Dilution (SD)
1206007890	708970001(ARK-ARGWC-15S) Matrix Spike (MS)
1206007891	708970001(ARK-ARGWC-15SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 41
Analytical Batch: 2752239

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 41
Preparation Batch: 2752236

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification

708970001	ARK-ARGWC-15
1206010195	Method Blank (MB)**CVAA**
1206010196	Laboratory Control Sample (LCS)
1206010199	708390001(NonSDGL) Serial Dilution (SD)
1206010197	708390001(NonSDGD) Sample Duplicate (DUP)
1206010198	708390001(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2751425

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
708970001	ARK-ARGWC-15
1206008395	Method Blank (MB)
1206008396	Laboratory Control Sample (LCS)
1206008399	708372007(NonSDG) Sample Duplicate (DUP)
1206008400	708372007(NonSDG) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 1206008399 (Non SDG 708372007DUP) and 1206008400 (Non SDG 708372007PS) were diluted because target analyte concentrations exceeded the calibration range. The following samples 1206008399 (Non SDG 708372007DUP) and 1206008400 (Non SDG 708372007PS) in this sample group were diluted due to matrix interference. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Miscellaneous Information

Manual Integrations
Samples 1206008400 (Non SDG 708372007PS) and 708970001 (ARK-ARGWC-15) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2753490

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
708970001	ARK-ARGWC-15
1206012709	Method Blank (MB)
1206012710	Laboratory Control Sample (LCS)
1206012712	709037016(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 17
Analytical Batch: 2751033

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
708970001	ARK-ARGWC-15
1206007667	Laboratory Control Sample (LCS)
1206007668	708966002(NonSDG) Sample Duplicate (DUP)
1206007669	708966002(NonSDG) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s): 1
PO Number: GPC82177-0005

GEL Laboratories LLC

gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

708972
708970

Page 20 of 55 Doc: 708970 Rev1

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Max Moore Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/Mn2+ (6020B) Field Filtered				<-- Preservative Type (6)
ARK-ARGWC-15	02-13-25	1255	N	N	WG			7	X		X	X	X	X	X					2 Radium bottles only
																				*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl
																				**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Comments (task_code: ARK-CCR-ASSMT-2025S1)

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Max Moore	Stantec	02/13/25	C Mahan	C Mahan	2/14/25 735
2				2		
3				3		

TAT Requested: **Normal:** X **Rush:** ____ **Specify:** ____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

708973
708970 708972

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: | GEL PM: AP

Received By: CLM | Date Received at GEL: 2/14/25

Carrier: (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
285423572190	0°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer). Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No). Are liquid VOA vials free of headspace? Yes___ No___ NA___. Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) Cyle do not have a container for analysis
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
10) Mercury. All together with both COC's we received 7 samples not 8.

PM (or PMA) review: Initials HTB Date FEB 17 2025

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

Outlook

RE: Plant Arkwright _ AP-3 _ ARK-ARGWC-15 sample

From Shoredits, Andreas <Andreas.Shoredits@stantec.com>
Date Fri 2/14/2025 10:32 AM
To Alaina Pinnick <Alaina.Pinnick@gel.com>
Cc Team Pinnick <Team.Pinnick@gel.com>; Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Lieu, Carole <Carole.Lieu@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>

1 attachment (693 KB)
ARK_AP-3_ARAMW-15_20250214_075215_signed.pdf;

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Good morning Alaina,

Thank you for forwarding this to me. I have attached a signed copy for the COC edits I have made for the dissolved sample analysis.

Andreas Shoredits P.G.
Geologist

Direct: 678 327-2932
Mobile: 470 371-9727
Andreas.Shoredits@stantec.com

Stantec
10745 Westside Way Suite 250
Alpharetta GA 30009-7640

Stantec

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Please consider the environment before printing this email.

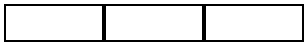
From: Alaina Pinnick <Alaina.Pinnick@gel.com>
Sent: Friday, February 14, 2025 9:18 AM
To: Shoredits, Andreas <Andreas.Shoredits@stantec.com>
Cc: Team Pinnick <Team.Pinnick@gel.com>; Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Lieu, Carole <Carole.Lieu@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>
Subject: RE: Plant Arkwright _ AP-3 _ ARK-ARGWC-15 sample

Good morning,

We received the attached COCs this morning, please see attached!

Thank you,
Alaina Pinnick
Project Manager

2040 Savage Road, Charleston, SC 29407
Office Direct: 843.769.7371 Ext. 4443 | Office Main: 843.556.8171 | Fax: 843.766.1178
E-Mail: Alaina.Pinnick@gel.com | Website: www.gel.com
Analytical Testing



From: Shoredits, Andreas <Andreas.Shoredits@stantec.com>
Sent: Friday, February 14, 2025 9:13 AM
To: Alaina Pinnick <Alaina.Pinnick@gel.com>
Cc: Team Pinnick <Team.Pinnick@gel.com>; Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Lieu, Carole <Carole.Lieu@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>
Subject: Plant Arkwright _ AP-3 _ ARK-ARGWC-15 sample

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Alaina,

We sampled the last remaining well at the site for this event and it is to be delivered with you this morning (FedEx tracking #285423572190).

We were only able to fill two of the three Radium bottles and the COC reflects this.

Additionally, because we are concerned about increased turbidity during sample collection I would like to ask that you run a dissolved metals from the field filtered Fe/Mn bottle. I will amend the COC once you receive the samples and send me a scan of the dissolved sample page.

Thank you for the help.

Andreas Shoredits P.G.
Geologist

Direct: 678 327-2932
Mobile: 470 371-9727
Andreas.Shoredits@stantec.com

Stantec
10745 Westside Way Suite 250
Alpharetta GA 30009-7640

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Atención: Este correo electrónico proviene de fuera de Stantec. Por favor, tome precauciones adicionales.

List of current GEL Certifications as of 14 May 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

March 10, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 3-Radiochemistry
Work Order: 708972

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 14, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
708972001	ARK-ARGWC-15	Ground Water	02/13/25 12:55	02/14/25 07:35

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

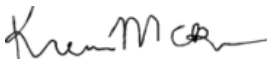
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	10-MAR-2025
EPA 903.1 Modified	27-FEB-2025
EPA 904.0/SW846 9320 Modified	25-FEB-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 708972 GEL Work Order: 708972

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

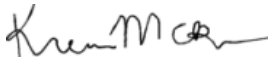
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: March 10, 2025

Contact: Joju Abraham

Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Radiochemistry

Client Sample ID: ARK-ARGWC-15
Sample ID: 708972001
Matrix: WG
Collect Date: 13-FEB-25
Receive Date: 14-FEB-25
Collector: Client

Project: GPCC01924
Client ID: GPCC003

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.513	+/-1.19	2.11	+/-1.20	3.00	pCi/L			DH1	02/25/25	1200	2751836	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.66	+/-1.37	2.11	+/-1.46		pCi/L		1	NXL1	03/10/25	0946	2758831	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.15	+/-0.676	0.540	+/-0.843	1.00	pCi/L			MJ2	02/27/25	1057	2752261	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2751836	76.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 708972

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2758831

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
708972001	ARK-ARGWC-15

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2751836

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
708972001	ARK-ARGWC-15
1206009401	Method Blank (MB)
1206009402	708972001(ARK-ARGWC-15) Sample Duplicate (DUP)
1206009403	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts
Sample 1206009401 (MB) was recounted due to a suspected blank false positive. The recount is reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2752261

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
708972001	ARK-ARGWC-15
1206010239	Method Blank (MB)
1206010240	708315008(NonSDG) Sample Duplicate (DUP)
1206010241	708315008(NonSDG) Matrix Spike (MS)
1206010242	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1206010241 (Non SDG 708315008MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

QC Summary

Client : **Georgia Power Company, Southern Company**
241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **708972**

Report Date: March 10, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2751836										
QC1206009402 708972001 DUP										
Radium-228	U	0.513	U	1.25	pCi/L	0		N/A	DH1	02/25/2511:56
	Uncert:	+/-1.19		+/-1.21						
	TPU:	+/-1.20		+/-1.26						
QC1206009403 LCS										
Radium-228	85.9			88.8	pCi/L		103	(75%-125%)	DH1	02/25/2511:56
	Uncert:			+/-4.81						
	TPU:			+/-23.0						
QC1206009401 MB										
Radium-228			U	0.666	pCi/L				DH1	02/25/2514:13
	Uncert:			+/-1.26						
	TPU:			+/-1.27						
Rad Ra-226										
Batch 2752261										
QC1206010240 708315008 DUP										
Radium-226		1.93		1.45	pCi/L	28.4		(0% - 100%)	MJ2	02/27/2511:29
	Uncert:	+/-0.629		+/-0.518						
	TPU:	+/-0.752		+/-0.617						
QC1206010242 LCS										
Radium-226	27.3			26.4	pCi/L		97	(75%-125%)	MJ2	02/27/2511:29
	Uncert:			+/-2.00						
	TPU:			+/-4.72						
QC1206010239 MB										
Radium-226			U	0.0733	pCi/L				MJ2	02/27/2511:29
	Uncert:			+/-0.227						
	TPU:			+/-0.227						
QC1206010241 708315008 MS										
Radium-226	130	1.93		101	pCi/L		75.7	(75%-125%)	MJ2	02/27/2511:29
	Uncert:	+/-0.629		+/-8.34						
	TPU:	+/-0.752		+/-20.8						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported

QC Summary

Workorder: **708972**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number (1): 1 Sample Cooler(s): 1
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

708972
708970

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Max Moore Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

PO 9000158306 708972

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Cmbd	Mercury (7470B)	Fe2+/ Mn2+ (6020B) Field Filtered				<-- Preservative Type (6)
									NI	NI				NI	NI	NI				
ARK-ARGWC-15	02-13-25	1255	N	N	WG			7	X		X	X	X	X	X					2 Radium bottles only

Comments (task_code: ARK-CCR-ASSMT-2025S1)

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1		Max Moore	Stantec 02/13/25		C Mahan	2/14/25 735
2						
3						

TAT Requested: **Normal:** X **Rush:** _____ **Specify:** _____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

708973
708970 708972

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: | GEL PM: AP

Received By: CLM | Date Received at GEL: 2/14/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
285423572190	0°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer). Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No). Are liquid VOA vials free of headspace? Yes___ No___ NA___. Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) We do not have a container for analysis
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
10) Mercury. All together with both COCs we received 7 samples not 8.

PM (or PMA) review: Initials ETB Date FEB 17 2025

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

Outlook

RE: Plant Arkwright _ AP-3 _ ARK-ARGWC-15 sample

From Shoredits, Andreas <Andreas.Shoredits@stantec.com>
Date Fri 2/14/2025 10:32 AM
To Alaina Pinnick <Alaina.Pinnick@gel.com>
Cc Team Pinnick <Team.Pinnick@gel.com>; Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Lieu, Carole <Carole.Lieu@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>

1 attachment (693 KB)
ARK_AP-3_ARAMW-15_20250214_075215_signed.pdf;

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Good morning Alaina,

Thank you for forwarding this to me. I have attached a signed copy for the COC edits I have made for the dissolved sample analysis.

Andreas Shoredits P.G.
Geologist

Direct: 678 327-2932
Mobile: 470 371-9727
Andreas.Shoredits@stantec.com

Stantec
10745 Westside Way Suite 250
Alpharetta GA 30009-7640

Stantec

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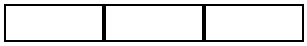
From: Alaina Pinnick <Alaina.Pinnick@gel.com>
Sent: Friday, February 14, 2025 9:18 AM
To: Shoredits, Andreas <Andreas.Shoredits@stantec.com>
Cc: Team Pinnick <Team.Pinnick@gel.com>; Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Lieu, Carole <Carole.Lieu@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>
Subject: RE: Plant Arkwright _ AP-3 _ ARK-ARGWC-15 sample

Good morning,

We received the attached COCs this morning, please see attached!

Thank you,
Alaina Pinnick
Project Manager

2040 Savage Road, Charleston, SC 29407
Office Direct: 843.769.7371 Ext. 4443 | Office Main: 843.556.8171 | Fax: 843.766.1178
E-Mail: Alaina.Pinnick@gel.com | Website: www.gel.com
Analytical Testing



From: Shoredits, Andreas <Andreas.Shoredits@stantec.com>
Sent: Friday, February 14, 2025 9:13 AM
To: Alaina Pinnick <Alaina.Pinnick@gel.com>
Cc: Team Pinnick <Team.Pinnick@gel.com>; Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Lieu, Carole <Carole.Lieu@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>
Subject: Plant Arkwright _ AP-3 _ ARK-ARGWC-15 sample

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Alaina,

We sampled the last remaining well at the site for this event and it is to be delivered with you this morning (FedEx tracking #285423572190).

We were only able to fill two of the three Radium bottles and the COC reflects this.

Additionally, because we are concerned about increased turbidity during sample collection I would like to ask that you run a dissolved metals from the field filtered Fe/Mn bottle. I will amend the COC once you receive the samples and send me a scan of the dissolved sample page.

Thank you for the help.

Andreas Shoredits P.G.
Geologist

Direct: 678 327-2932
Mobile: 470 371-9727
Andreas.Shoredits@stantec.com

Stantec
10745 Westside Way Suite 250
Alpharetta GA 30009-7640

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List of current GEL Certifications as of 10 March 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

May 14, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 3-Dissolved Total Metals*
Work Order: 708973

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 14, 2025. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 708973 in the left-hand footer of the data report. This package has been updated to exclude the previously entered limits and report Appendix IV Metals using GEL PQLs

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
708973001	ARK-ARGWC-15	Ground Water	02/13/25 12:55	02/14/25 07:35

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

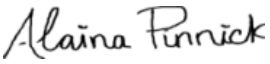
Method	Run Date ID
SW846 3005A	15-FEB-2025
SW846 7470A Prep	18-FEB-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
SW846 3005A/6020B	23-FEB-2025
SW846 7470A	19-FEB-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 708973 GEL Work Order: 708973

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 14, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Total Metals*

Client Sample ID:	ARK-ARGWC-15	Project:	GPCC01924
Sample ID:	708973001	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	13-FEB-25 12:55		
Receive Date:	14-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Dissolved Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/19/25	1121	2752239	1
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Metals* "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	BAJ	02/23/25	2224	2751165	2
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0221	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron	J	0.0101	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		17.9	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000875	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00412	0.00300	0.0100	mg/L	1.00	1					
Magnesium		8.21	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Molybdenum		0.00105	0.000200	0.00100	mg/L	1.00	1					
Potassium		7.89	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Silver	U	ND	0.000300	0.00100	mg/L	1.00	1					
Sodium		7.95	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/18/25	1115	2752236
SW846 3005A	ICP-MS 3005A PREP	BB2	02/15/25	0800	2751164

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	
2	SW846 3005A/6020B	

Notes:

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 14, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3-Dissolved Total Metals*

Client Sample ID:	ARK-ARGWC-15	Project:	GPCC01924
Sample ID:	708973001	Client ID:	GPCC003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: May 14, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **708973**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch 2751165											
QC1206007889 LCS											
Aluminum	2.00			2.06	mg/L		103	(80%-120%)	BAJ	02/23/25	22:07
Antimony	0.0500			0.0483	mg/L		96.5	(80%-120%)			
Arsenic	0.0500			0.0494	mg/L		98.7	(80%-120%)			
Barium	0.0500			0.0510	mg/L		102	(80%-120%)			
Beryllium	0.0500			0.0572	mg/L		114	(80%-120%)			
Boron	0.100			0.108	mg/L		108	(80%-120%)			
Cadmium	0.0500			0.0506	mg/L		101	(80%-120%)			
Calcium	2.00			2.09	mg/L		104	(80%-120%)			
Chromium	0.0500			0.0501	mg/L		100	(80%-120%)			
Cobalt	0.0500			0.0497	mg/L		99.4	(80%-120%)			
Iron	2.00			1.99	mg/L		99.7	(80%-120%)			
Lead	0.0500			0.0503	mg/L		101	(80%-120%)			
Lithium	0.0500			0.0550	mg/L		110	(80%-120%)			

QC Summary

Workorder: **708973**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2751165										
Magnesium	2.00			2.10	mg/L		105	(80%-120%)	BAJ	02/23/25 22:07
Manganese	0.0500			0.0507	mg/L		101	(80%-120%)		
Molybdenum	0.0500			0.0507	mg/L		101	(80%-120%)		
Potassium	2.00			2.02	mg/L		101	(80%-120%)		
Selenium	0.0500			0.0501	mg/L		100	(80%-120%)		
Silver	0.0500			0.0512	mg/L		102	(80%-120%)		
Sodium	2.00			2.08	mg/L		104	(80%-120%)		
Thallium	0.0500			0.0480	mg/L		96	(80%-120%)		
QC1206007888 MB										
Aluminum			U	ND	mg/L					02/23/25 22:04
Antimony			U	ND	mg/L					
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					

QC Summary

Workorder: **708973**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2751165										
Cadmium			U	ND	mg/L				BAJ	02/23/25 22:04
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					
Manganese			U	ND	mg/L					
Molybdenum			U	ND	mg/L					
Potassium			U	ND	mg/L					
Selenium			U	ND	mg/L					
Silver			U	ND	mg/L					
Sodium			U	ND	mg/L					

QC Summary

Workorder: **708973**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2751165											
Thallium				U	ND	mg/L				BAJ	02/23/25 22:04
QC1206007890 708970001 MS											
Aluminum	2.00		0.122		2.26	mg/L		107	(75%-125%)		02/23/25 22:12
Antimony	0.0500	U	ND		0.0476	mg/L		94.7	(75%-125%)		
Arsenic	0.0500	U	ND		0.0501	mg/L		98.3	(75%-125%)		
Barium	0.0500		0.0229		0.0726	mg/L		99.4	(75%-125%)		
Beryllium	0.0500	U	ND		0.0570	mg/L		114	(75%-125%)		
Boron	0.100	J	0.00936		0.116	mg/L		106	(75%-125%)		
Cadmium	0.0500	U	ND		0.0501	mg/L		100	(75%-125%)		
Calcium	2.00		17.6		19.6	mg/L		N/A	(75%-125%)		
Chromium	0.0500	U	ND		0.0503	mg/L		97.7	(75%-125%)		
Cobalt	0.0500		0.00127		0.0501	mg/L		97.7	(75%-125%)		
Iron	2.00		0.152		2.15	mg/L		99.8	(75%-125%)		
Lead	0.0500	U	ND		0.0487	mg/L		97.2	(75%-125%)		
Lithium	0.0500	J	0.00369		0.0591	mg/L		111	(75%-125%)		

QC Summary

Workorder: **708973**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2751165											
Magnesium	2.00		8.18		10.4	mg/L		N/A	(75%-125%)	BAJ	02/23/25 22:12
Manganese	0.0500	J	0.00278		0.0523	mg/L		98.9	(75%-125%)		
Molybdenum	0.0500		0.00105		0.0517	mg/L		101	(75%-125%)		
Potassium	2.00		7.51		9.77	mg/L		113	(75%-125%)		
Selenium	0.0500	U	ND		0.0511	mg/L		101	(75%-125%)		
Silver	0.0500	U	ND		0.0499	mg/L		99.9	(75%-125%)		
Sodium	2.00		7.71		10.0	mg/L		117	(75%-125%)		
Thallium	0.0500	U	ND		0.0468	mg/L		93.5	(75%-125%)		
QC1206007891 708970001 MSD											
Aluminum	2.00		0.122		2.31	mg/L	1.94	109	(0%-20%)		02/23/25 22:15
Antimony	0.0500	U	ND		0.0485	mg/L	1.89	96.5	(0%-20%)		
Arsenic	0.0500	U	ND		0.0505	mg/L	0.809	99.1	(0%-20%)		
Barium	0.0500		0.0229		0.0740	mg/L	1.95	102	(0%-20%)		
Beryllium	0.0500	U	ND		0.0577	mg/L	1.19	115	(0%-20%)		
Boron	0.100	J	0.00936		0.118	mg/L	1.8	108	(0%-20%)		

QC Summary

Workorder: **708973**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2751165											
Cadmium	0.0500	U	ND		0.0506	mg/L	1.01	101	(0%-20%)	BAJ	02/23/25 22:15
Calcium	2.00		17.6		20.1	mg/L	2.35	N/A	(0%-20%)		
Chromium	0.0500	U	ND		0.0517	mg/L	2.71	101	(0%-20%)		
Cobalt	0.0500		0.00127		0.0511	mg/L	1.86	99.6	(0%-20%)		
Iron	2.00		0.152		2.22	mg/L	3.52	104	(0%-20%)		
Lead	0.0500	U	ND		0.0494	mg/L	1.58	98.7	(0%-20%)		
Lithium	0.0500	J	0.00369		0.0600	mg/L	1.47	113	(0%-20%)		
Magnesium	2.00		8.18		10.3	mg/L	0.388	N/A	(0%-20%)		
Manganese	0.0500	J	0.00278		0.0535	mg/L	2.33	101	(0%-20%)		
Molybdenum	0.0500		0.00105		0.0528	mg/L	2.21	104	(0%-20%)		
Potassium	2.00		7.51		9.82	mg/L	0.48	115	(0%-20%)		
Selenium	0.0500	U	ND		0.0515	mg/L	0.846	102	(0%-20%)		
Silver	0.0500	U	ND		0.0505	mg/L	1.16	101	(0%-20%)		
Sodium	2.00		7.71		10.1	mg/L	0.344	119	(0%-20%)		

QC Summary

Workorder: **708973**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2751165											
Thallium	0.0500	U	ND		0.0475	mg/L	1.6	95	(0%-20%)	BAJ	02/23/25 22:15
QC1206007892 708970001 SDILT											
Aluminum			122	J	25.2	ug/L	3.1		(0%-20%)		02/23/25 22:21
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			22.9		4.73	ug/L	3.36		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Boron		J	9.36	U	ND	ug/L	N/A		(0%-20%)		
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Calcium			17600		3680	ug/L	4.62		(0%-20%)		
Chromium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Cobalt			1.27	U	ND	ug/L	N/A		(0%-20%)		
Iron			152	U	ND	ug/L	N/A		(0%-20%)		
Lead		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium		J	3.69	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **708973**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2751165										
Magnesium		8180		1610	ug/L	1.33		(0%-20%)	BAJ	02/23/25 22:21
Manganese	J	2.78	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum		1.05	J	0.233	ug/L	11.2		(0%-20%)		
Potassium		7510		1520	ug/L	1.25		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Silver	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		7710		1560	ug/L	1.04		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2752239										
QC1206010197 708390001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	02/19/25 10:48
QC1206010196 LCS										
Mercury 0.00200				0.00196	mg/L		98.1	(80%-120%)		02/19/25 10:45
QC1206010195 MB										
Mercury			U	ND	mg/L					02/19/25 10:43
QC1206010198 708390001 MS										
Mercury 0.00200	U	ND		0.00195	mg/L		97.3	(75%-125%)		02/19/25 10:53

QC Summary

Workorder: **708973**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-Mercury											
Batch 2752239											
QC1206010199 708390001 SDILT											
Mercury	U	ND	U	ND	ug/L	N/A		(0%-10%)	JP2	02/19/25	10:55

Notes:

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals
Technical Case Narrative
Georgia Power Company
SDG #: 708973

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 36
Analytical Batch: 2751165

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2751164

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
708973001	ARK-ARGWC-15
1206007888	Method Blank (MB)**ICP-MS**
1206007889	Laboratory Control Sample (LCS)
1206007892	708970001(ARK-ARGWC-15L) Serial Dilution (SD)
1206007890	708970001(ARK-ARGWC-15S) Matrix Spike (MS)
1206007891	708970001(ARK-ARGWC-15SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 41
Analytical Batch: 2752239

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 41
Preparation Batch: 2752236

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
708973001	ARK-ARGWC-15
1206010195	Method Blank (MB)**CVAA**

1206010196	Laboratory Control Sample (LCS)
1206010199	708390001(NonSDGL) Serial Dilution (SD)
1206010197	708390001(NonSDGD) Sample Duplicate (DUP)
1206010198	708390001(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

WO 708973 Rev 1

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number (1): 2 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics
Chain of Custody and Analytical Request

GEL Work Order Number:
GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power — Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond 3 — Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Max Moore — Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotope info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	*Metals (6020B)	**Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	RAD 226-228 Carbd	Mercury (7470B)	Fe24/Mn24 (6020B) Field Filtered	*Metals (6020B) Field Filtered			<-- Preservative Type (6)
									NI	NI				NI	NI	NI	NI			
ARK-ARGWC-15	02-13-25	1255	N	Y	WG			1								*	X			

Comments (task_code: ARK-CCR-ASSMT-2025S1)

Additional analysis of filtered sample for *Metals (see above)

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Chain of Custody Signatures

Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Max Moore	Stantec 02/13/25	1		
2			2		
3			3		

TAT Requested: Normal: X Rush: Specify: (Subject to Surcharge)
Fax Results: [ ] Yes [X] No
Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4
Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3
For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: ____ °C
Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR)

1.) Chain of Custody Number = Client Determined

2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.

4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML=Misc Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).

6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank

2/14/2025

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic; Hg = Mercury
Ba = Barium; Se = Selenium
Cd = Cadmium; Ag = Silver
Cr = Chromium; MR = Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW = Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT = Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number (1): 2 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC

gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: 708973

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

708973

Client Name: Georgia Power
Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_
Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Max Moore
Send Results To: jabraham@southernco.com EDD@stantec.com
jennifer.kolbe@stantec.com

PO Number: GPC82177-0005 Rev1 Page 1 of 3 EDD: 708973

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI *Metals (6020B)	NI **Metals (6020B)	Alkalinity (300.0 R2.1) see Additional Remarks	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI RAD 226-228 Cmbd	NI Mercury (7470B)	NI Fe2+/ Mn2+ (6020B) Field Filtered				<-- Preservative Type (6)
ARK-ARGWC-15	02-13-25	1255	N	Y	WG			1								X				

*Metals: Ag, B, Ca, Al, K, Mg, Na, Fe, Mn, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

**Metals: Ag, B, Ca, Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl

Comments (task_code: ARK-CCR-ASSMT-2025S1)

Chain of Custody Signatures

Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1 Max Moore	Stantec	02/13/25	1 CMcMahon	CMcMahon	2/14/25 0935
2			2		
3			3		

TAT Requested: Normal: X Rush: _____ Specify: _____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Report Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone: [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

708973

708970 708972

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order:	GEL PM: AP
Received By: CLM	Date Received at GEL: 2/14/25	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
285423572190	0°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) We do not have a container for analysis
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
10) Mercury. All together with both COCs we received 7 samples not 8.

PM (or PMA) review: Initials HTB Date FEB 17 2025

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

Alaina Pinnick

From: Shoredits, Andreas <Andreas.Shoredits@stantec.com>
Sent: Friday, February 14, 2025 10:32 AM
To: Alaina Pinnick
Cc: Team Pinnick; Kolbe, Jennifer; Lieu, Carole; Abraham, Joju; Midkiff, Laura B.
Subject: RE: Plant Arkwright _ AP-3 _ ARK-ARGWC-15 sample
Attachments: ARK_AP-3_ARAMW-15_20250214_075215_signed.pdf

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Good morning Alaina,

Thank you for forwarding this to me. I have attached a signed copy for the COC edits I have made for the dissolved sample analysis.

Andreas Shoredits P.G.
Geologist

Direct: 678 327-2932
Mobile: 470 371-9727
Andreas.Shoredits@stantec.com

Stantec
10745 Westside Way Suite 250
Alpharetta GA 30009-7640

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Please consider the environment before printing this email.

From: Alaina Pinnick <Alaina.Pinnick@gel.com>
Sent: Friday, February 14, 2025 9:18 AM
To: Shoredits, Andreas <Andreas.Shoredits@stantec.com>
Cc: Team Pinnick <Team.Pinnick@gel.com>; Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Lieu, Carole <Carole.Lieu@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>
Subject: RE: Plant Arkwright _ AP-3 _ ARK-ARGWC-15 sample

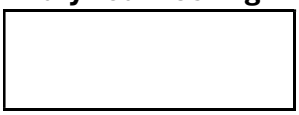
Good morning,

We received the attached COCs this morning, please see attached!

Thank you,
Alaina Pinnick
Project Manager

GEL Laboratories LLC EST. 1981
2040 Savage Road, Charleston, SC 29407
Office Direct: 843.769.7371 Ext. 4443 | Office Main: 843.556.8171 | Fax: 843.766.1178
E-Mail: Alaina.Pinnick@gel.com | Website: www.gel.com

Analytical Testing



From: Shoredits, Andreas <Andreas.Shoredits@stantec.com>
Sent: Friday, February 14, 2025 9:13 AM
To: Alaina Pinnick <Alaina.Pinnick@gel.com>
Cc: Team Pinnick <Team.Pinnick@gel.com>; Kolbe, Jennifer <jennifer.kolbe@stantec.com>; Lieu, Carole <Carole.Lieu@stantec.com>; Abraham, Joju <JABRAHAM@SOUTHERNCO.COM>; Midkiff, Laura B. <lbmidkif@southernco.com>
Subject: Plant Arkwright _ AP-3 _ ARK-ARGWC-15 sample

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Alaina,

We sampled the last remaining well at the site for this event and it is to be delivered with you this morning (FedEx tracking #285423572190).

We were only able to fill two of the three Radium bottles and the COC reflects this.

Additionally, because we are concerned about increased turbidity during sample collection I would like to ask that you run a dissolved metals from the field filtered Fe/Mn bottle. I will amend the COC once you receive the samples and send me a scan of the dissolved sample page.

Thank you for the help.

Andreas Shoredits P.G.
Geologist

Direct: 678 327-2932
Mobile: 470 371-9727
Andreas.Shoredits@stantec.com

Stantec
10745 Westside Way Suite 250
Alpharetta GA 30009-7640

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Attention: Ce courriel provient de l'extérieur de Stantec. Veuillez prendre des précautions supplémentaires.

Atención: Este correo electrónico proviene de fuera de Stantec. Por favor, tome precauciones adicionales.

List of current GEL Certifications as of 14 May 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

March 10, 2025

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on February 11, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Jordan Gamble, ARCADIS US, Inc. - Atlanta
Ben Hodges, Southern Company
Priya Jacob, ARCADIS US, Inc. - Atlanta
Jennifer Kolbe, Stantec Consulting
Laura Midkiff, Southern Company
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92778963001	**ARK-BT-1.6**	Water	02/10/25 09:19	02/11/25 14:02
92778963002	**ARK-BT-1.1**	Water	02/10/25 09:51	02/11/25 14:02
92778963003	**ARK-BT-1.2**	Water	02/10/25 09:44	02/11/25 14:02
92778963004	**ARK-BT-1.3**	Water	02/10/25 09:36	02/11/25 14:02
92778963005	**ARK-BT-1.0**	Water	02/10/25 09:58	02/11/25 14:02
92778963006	**ARK-BC-0.8b**	Water	02/10/25 11:45	02/11/25 14:02

REPORT OF LABORATORY ANALYSIS

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110 Technology Parkway
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(770)734-4200

SAMPLE ANALYTE COUNT

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92778963001	**ARK-BT-1.6**	EPA 6010D	MGW	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	SMS	2	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
92778963002	**ARK-BT-1.1**	EPA 6010D	MGW	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	SMS	2	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
92778963003	**ARK-BT-1.2**	EPA 6010D	MGW	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	SMS	2	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
92778963004	**ARK-BT-1.3**	EPA 6010D	MGW	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	SMS	2	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
92778963005	**ARK-BT-1.0**	EPA 6010D	MGW	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	SMS	2	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		EPA 9056A	JCM	3	PASI-A
92778963006	**ARK-BC-0.8b**	EPA 6010D	MGW	5	PASI-A
		EPA 6020B	DBB1	1	PASI-A
		SM 2320B-2011	SMS	2	PASI-A
		SM 2540C-2015	HCH	1	PASI-A
		EPA 9056A	JCM	3	PASI-A

PASI-A = Pace Analytical Services - Asheville

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Sample: ARK-BT-1.6 **Lab ID: 92778963001** Collected: 02/10/25 09:19 Received: 02/11/25 14:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	ND	mg/L	0.050	1	02/12/25 16:30	02/13/25 14:20	7440-42-8	
Calcium	**9.2**	mg/L	0.10	1	02/12/25 16:30	02/13/25 14:20	7440-70-2	
Magnesium	**5.7**	mg/L	0.10	1	02/12/25 16:30	02/13/25 14:20	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/12/25 16:30	02/13/25 14:20	7440-09-7	
Sodium	**6.7**	mg/L	5.0	1	02/12/25 16:30	02/13/25 14:20	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	ND	mg/L	0.0010	1	02/25/25 15:50	03/08/25 17:09	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**50.1**	mg/L	5.0	1		02/13/25 15:03		
Alkalinity, Total as CaCO3	**50.1**	mg/L	5.0	1		02/13/25 15:03		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**101**	mg/L	25.0	1		02/13/25 13:44		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.1**	mg/L	1.0	1		02/12/25 05:42	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/12/25 05:42	16984-48-8	
Sulfate	**1.8**	mg/L	1.0	1		02/12/25 05:42	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Sample: ARK-BT-1.1 **Lab ID: 92778963002** Collected: 02/10/25 09:51 Received: 02/11/25 14:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	**0.060**	mg/L	0.050	1	02/12/25 16:30	02/13/25 14:23	7440-42-8	
Calcium	**13.5**	mg/L	0.10	1	02/12/25 16:30	02/13/25 14:23	7440-70-2	
Magnesium	**9.4**	mg/L	0.10	1	02/12/25 16:30	02/13/25 14:23	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/12/25 16:30	02/13/25 14:23	7440-09-7	
Sodium	**8.0**	mg/L	5.0	1	02/12/25 16:30	02/13/25 14:23	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	**0.0014**	mg/L	0.0010	1	02/25/25 15:50	03/08/25 17:13	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**56.6**	mg/L	5.0	1		02/13/25 15:19		
Alkalinity, Total as CaCO3	**56.6**	mg/L	5.0	1		02/13/25 15:19		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**123**	mg/L	25.0	1		02/13/25 13:44		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**5.1**	mg/L	1.0	1		02/12/25 07:17	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/12/25 07:17	16984-48-8	
Sulfate	**22.6**	mg/L	1.0	1		02/12/25 07:17	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Sample: ARK-BT-1.2 **Lab ID: 92778963003** Collected: 02/10/25 09:44 Received: 02/11/25 14:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	**0.058**	mg/L	0.050	1	02/13/25 02:30	02/19/25 18:09	7440-42-8	
Calcium	**14.6**	mg/L	0.10	1	02/13/25 02:30	02/19/25 18:09	7440-70-2	
Magnesium	**9.1**	mg/L	0.10	1	02/13/25 02:30	02/19/25 18:09	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/13/25 02:30	02/19/25 18:09	7440-09-7	
Sodium	**7.9**	mg/L	5.0	1	02/13/25 02:30	02/19/25 18:09	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	**0.0096**	mg/L	0.0010	1	02/13/25 02:30	02/28/25 22:09	7440-48-4	M1
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**57.8**	mg/L	5.0	1		02/13/25 15:33		
Alkalinity, Total as CaCO3	**57.8**	mg/L	5.0	1		02/13/25 15:33		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**124**	mg/L	25.0	1		02/13/25 13:44		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**5.2**	mg/L	1.0	1		02/12/25 07:32	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/12/25 07:32	16984-48-8	
Sulfate	**22.5**	mg/L	1.0	1		02/12/25 07:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Sample: ARK-BT-1.3 **Lab ID: 92778963004** Collected: 02/10/25 09:36 Received: 02/11/25 14:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	**0.052**	mg/L	0.050	1	02/13/25 02:30	02/19/25 18:24	7440-42-8	
Calcium	**13.7**	mg/L	0.10	1	02/13/25 02:30	02/19/25 18:24	7440-70-2	
Magnesium	**8.7**	mg/L	0.10	1	02/13/25 02:30	02/19/25 18:24	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/13/25 02:30	02/19/25 18:24	7440-09-7	
Sodium	**7.7**	mg/L	5.0	1	02/13/25 02:30	02/19/25 18:24	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	**0.0080**	mg/L	0.0010	1	02/13/25 02:30	02/28/25 22:27	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**59.3**	mg/L	5.0	1		02/13/25 15:40		
Alkalinity, Total as CaCO3	**59.3**	mg/L	5.0	1		02/13/25 15:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**123**	mg/L	25.0	1		02/13/25 13:44		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**5.2**	mg/L	1.0	1		02/12/25 07:47	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/12/25 07:47	16984-48-8	
Sulfate	**18.5**	mg/L	1.0	1		02/12/25 07:47	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Sample: ARK-BT-1.0 **Lab ID: 92778963005** Collected: 02/10/25 09:58 Received: 02/11/25 14:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	**0.057**	mg/L	0.050	1	02/13/25 02:30	02/19/25 18:27	7440-42-8	
Calcium	**14.0**	mg/L	0.10	1	02/13/25 02:30	02/19/25 18:27	7440-70-2	
Magnesium	**8.8**	mg/L	0.10	1	02/13/25 02:30	02/19/25 18:27	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/13/25 02:30	02/19/25 18:27	7440-09-7	
Sodium	**7.6**	mg/L	5.0	1	02/13/25 02:30	02/19/25 18:27	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	**0.0013**	mg/L	0.0010	1	02/13/25 02:30	02/28/25 22:31	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**55.4**	mg/L	5.0	1		02/13/25 15:46		
Alkalinity, Total as CaCO3	**55.4**	mg/L	5.0	1		02/13/25 15:46		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**119**	mg/L	25.0	1		02/13/25 13:44		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**5.1**	mg/L	1.0	1		02/12/25 08:02	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/12/25 08:02	16984-48-8	
Sulfate	**22.3**	mg/L	1.0	1		02/12/25 08:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Sample: ARK-BC-0.8b **Lab ID: 92778963006** Collected: 02/10/25 11:45 Received: 02/11/25 14:02 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Boron	ND	mg/L	0.050	1	02/13/25 02:30	02/19/25 18:31	7440-42-8	
Calcium	**8.7**	mg/L	0.10	1	02/13/25 02:30	02/19/25 18:31	7440-70-2	
Magnesium	**4.0**	mg/L	0.10	1	02/13/25 02:30	02/19/25 18:31	7439-95-4	
Potassium	ND	mg/L	5.0	1	02/13/25 02:30	02/19/25 18:31	7440-09-7	
Sodium	**9.0**	mg/L	5.0	1	02/13/25 02:30	02/19/25 18:31	7440-23-5	
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Cobalt	ND	mg/L	0.0010	1	02/13/25 02:30	02/28/25 22:35	7440-48-4	
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**40.7**	mg/L	5.0	1		02/13/25 15:52		
Alkalinity, Total as CaCO3	**40.7**	mg/L	5.0	1		02/13/25 15:52		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2015 Pace Analytical Services - Asheville							
Total Dissolved Solids	**76.0**	mg/L	25.0	1		02/14/25 11:34		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**8.5**	mg/L	1.0	1		02/12/25 08:17	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/12/25 08:17	16984-48-8	
Sulfate	**5.0**	mg/L	1.0	1		02/12/25 08:17	14808-79-8	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

QC Batch: 915665
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778963001, 92778963002

METHOD BLANK: 4706089 Matrix: Water
Associated Lab Samples: 92778963001, 92778963002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.050	02/13/25 12:37	
Calcium	mg/L	ND	0.10	02/13/25 12:37	
Magnesium	mg/L	ND	0.10	02/13/25 12:37	
Potassium	mg/L	ND	5.0	02/13/25 12:37	
Sodium	mg/L	ND	5.0	02/13/25 12:37	

LABORATORY CONTROL SAMPLE: 4706090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.5	0.50	99	80-120	
Calcium	mg/L	5	4.9	98	80-120	
Magnesium	mg/L	5	5.2	103	80-120	
Potassium	mg/L	5	4.8J	96	80-120	
Sodium	mg/L	5	4.9J	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4706091 4706092

Parameter	Units	92778495002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	18.8J ug/L	0.5	0.5	0.55	0.54	105	104	75-125	1	20	
Calcium	mg/L	16000 ug/L	5	5	21.7	21.7	115	113	75-125	0	20	
Magnesium	mg/L	10200 ug/L	5	5	16.0	15.7	116	111	75-125	2	20	
Potassium	mg/L	213J ug/L	5	5	5.6	5.7	109	110	75-125	1	20	
Sodium	mg/L	10700 ug/L	5	5	16.6	16.5	117	116	75-125	0	20	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

QC Batch: 915862
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778963003, 92778963004, 92778963005, 92778963006

METHOD BLANK: 4707271 Matrix: Water
Associated Lab Samples: 92778963003, 92778963004, 92778963005, 92778963006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.050	02/19/25 17:55	
Calcium	mg/L	ND	0.10	02/19/25 17:55	
Magnesium	mg/L	ND	0.10	02/19/25 17:55	
Potassium	mg/L	ND	5.0	02/19/25 17:55	
Sodium	mg/L	ND	5.0	02/19/25 17:55	

LABORATORY CONTROL SAMPLE: 4707272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.5	0.46	93	80-120	
Calcium	mg/L	5	5.1	102	80-120	
Magnesium	mg/L	5	4.7	95	80-120	
Potassium	mg/L	5	4.9J	98	80-120	
Sodium	mg/L	5	4.9J	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4707273 4707274

Parameter	Units	92778963003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	0.058	0.5	0.5	0.53	0.56	95	100	75-125	4	20	
Calcium	mg/L	14.6	5	5	19.0	19.8	89	105	75-125	4	20	
Magnesium	mg/L	9.1	5	5	13.5	14.1	87	100	75-125	5	20	
Potassium	mg/L	ND	5	5	7.0	7.3	97	103	75-125	4	20	
Sodium	mg/L	7.9	5	5	12.4	13.0	90	102	75-125	5	20	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

QC Batch: 915863
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778963003, 92778963004, 92778963005, 92778963006

METHOD BLANK: 4707275 Matrix: Water
Associated Lab Samples: 92778963003, 92778963004, 92778963005, 92778963006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0010	02/28/25 22:02	

LABORATORY CONTROL SAMPLE: 4707276

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.05	0.060	120	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4707277 4707278

Parameter	Units	92778963003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	0.0096	0.05	0.05	0.070	0.075	121	132	75-125	8	20	M1

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

QC Batch: 918383
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778963001, 92778963002

METHOD BLANK: 4719865 Matrix: Water
Associated Lab Samples: 92778963001, 92778963002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0010	03/08/25 16:43	

LABORATORY CONTROL SAMPLE: 4719866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.05	0.058	116	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4719867 4719868

Parameter	Units	92778494001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	ND	0.05	0.05	0.051	0.051	99	99	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

QC Batch: 915793
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778963001, 92778963002, 92778963003, 92778963004, 92778963005, 92778963006

METHOD BLANK: 4706798 Matrix: Water
Associated Lab Samples: 92778963001, 92778963002, 92778963003, 92778963004, 92778963005, 92778963006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	02/13/25 13:22	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	02/13/25 13:22	

LABORATORY CONTROL SAMPLE: 4706799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 4706800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.7	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4706801 4706802

Parameter	Units	92779002001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	3030	50	50	3060	3070	67	89	80-120	0	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4706803 4706804

Parameter	Units	92778963001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	50.1	50	50	99.8	99.1	99	98	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

QC Batch: 916013
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778963001, 92778963002, 92778963003, 92778963004, 92778963005

METHOD BLANK: 4707873 Matrix: Water
Associated Lab Samples: 92778963001, 92778963002, 92778963003, 92778963004, 92778963005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	02/13/25 13:40	

LABORATORY CONTROL SAMPLE: 4707874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	252	101	90-110	

SAMPLE DUPLICATE: 4707875

Parameter	Units	92778171035 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	303	311	3	25	

SAMPLE DUPLICATE: 4707876

Parameter	Units	92778911004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	245	248	1	25	

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QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

QC Batch: 916188
QC Batch Method: SM 2540C-2015
Analysis Method: SM 2540C-2015
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778963006

METHOD BLANK: 4708954 Matrix: Water
Associated Lab Samples: 92778963006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	02/14/25 11:34	

LABORATORY CONTROL SAMPLE: 4708955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	254	102	90-110	

SAMPLE DUPLICATE: 4708956

Parameter	Units	92778963006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	76.0	82.0	8	25	

SAMPLE DUPLICATE: 4708957

Parameter	Units	92778538027 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	286	291	2	25	

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(770)734-4200

QUALITY CONTROL DATA

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

QC Batch: 915460
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92778963001, 92778963002, 92778963003, 92778963004, 92778963005, 92778963006

METHOD BLANK: 4705211 Matrix: Water
Associated Lab Samples: 92778963001, 92778963002, 92778963003, 92778963004, 92778963005, 92778963006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	02/11/25 22:06	
Fluoride	mg/L	ND	0.10	02/11/25 22:06	
Sulfate	mg/L	ND	1.0	02/11/25 22:06	

LABORATORY CONTROL SAMPLE: 4705212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.8	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4705213 4705214

Parameter	Units	92778963001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.1	50	50	53.6	57.4	99	107	90-110	7	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	98	104	90-110	6	10	
Sulfate	mg/L	1.8	50	50	51.4	55.3	99	107	90-110	7	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4705215 4705216

Parameter	Units	92778971005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	8.4	50	50	60.0	60.7	103	105	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	98	99	90-110	2	10	
Sulfate	mg/L	6.2	50	50	58.2	59.0	104	106	90-110	1	10	

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Arkwright-CCR Ash Pond
Pace Project No.: 92778963

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92778963001	**ARK-BT-1.6**	EPA 3010A	915665	EPA 6010D	915818
92778963002	**ARK-BT-1.1**	EPA 3010A	915665	EPA 6010D	915818
92778963003	**ARK-BT-1.2**	EPA 3010A	915862	EPA 6010D	915871
92778963004	**ARK-BT-1.3**	EPA 3010A	915862	EPA 6010D	915871
92778963005	**ARK-BT-1.0**	EPA 3010A	915862	EPA 6010D	915871
92778963006	**ARK-BC-0.8b**	EPA 3010A	915862	EPA 6010D	915871
92778963001	**ARK-BT-1.6**	EPA 3010A	918383	EPA 6020B	918487
92778963002	**ARK-BT-1.1**	EPA 3010A	918383	EPA 6020B	918487
92778963003	**ARK-BT-1.2**	EPA 3010A	915863	EPA 6020B	915872
92778963004	**ARK-BT-1.3**	EPA 3010A	915863	EPA 6020B	915872
92778963005	**ARK-BT-1.0**	EPA 3010A	915863	EPA 6020B	915872
92778963006	**ARK-BC-0.8b**	EPA 3010A	915863	EPA 6020B	915872
92778963001	**ARK-BT-1.6**	SM 2320B-2011	915793		
92778963002	**ARK-BT-1.1**	SM 2320B-2011	915793		
92778963003	**ARK-BT-1.2**	SM 2320B-2011	915793		
92778963004	**ARK-BT-1.3**	SM 2320B-2011	915793		
92778963005	**ARK-BT-1.0**	SM 2320B-2011	915793		
92778963006	**ARK-BC-0.8b**	SM 2320B-2011	915793		
92778963001	**ARK-BT-1.6**	SM 2540C-2015	916013		
92778963002	**ARK-BT-1.1**	SM 2540C-2015	916013		
92778963003	**ARK-BT-1.2**	SM 2540C-2015	916013		
92778963004	**ARK-BT-1.3**	SM 2540C-2015	916013		
92778963005	**ARK-BT-1.0**	SM 2540C-2015	916013		
92778963006	**ARK-BC-0.8b**	SM 2540C-2015	916188		
92778963001	**ARK-BT-1.6**	EPA 9056A	915460		
92778963002	**ARK-BT-1.1**	EPA 9056A	915460		
92778963003	**ARK-BT-1.2**	EPA 9056A	915460		
92778963004	**ARK-BT-1.3**	EPA 9056A	915460		
92778963005	**ARK-BT-1.0**	EPA 9056A	915460		
92778963006	**ARK-BC-0.8b**	EPA 9056A	915460		

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 92778963

92778963

Company Name:	ARCADIS - Atlanta
Street Address:	2839 Paces Ferry Rd, Atlanta, GA 30339
Customer Project #:	
Project Name:	Plant Arkwright-CCR Ash Pond
Site Collection Info/Facility ID (as applicable):	AP-3
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [ ] ET
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Contact/Report To:	Priya Jacob
Phone #:	(618)790-6528
E-Mail:	priya.jacob@arcadis.com
Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Invoice To:	Accounts Payable
Invoice E-Mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0003
Quote #:	
County / State origin of sample(s):	Georgia
Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size ***

Identify Container Preservative Type***

Analysis Requested

Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Co only	App. III Metals - B, Ca	Metals - K, Mg, Na	Alkalinity (Total/BiCarb)	Cl, F, SO4	TDS	Sample Comment
ARK-BT-1.6	WS	G	2/10/25	0919			3			X	X	X	X	X	X	
ARK-BT-1.1	WS	G	2/10/25	0951			3			X	X	X	X	X	X	
ARK-BT-1.2	WS	G	2/10/25	0944			3			X	X	X	X	X	X	
ARK-BT-1.3	WS	G	2/10/25	0936			3			X	X	X	X	X	X	
ARK-BT-1.0	WS	G	2/10/25	0958			3			X	X	X	X	X	X	
ARK-BC-0.8b	WS	G	2/10/25	1145			3			X	X	X	X	X	X	

Lab Use Only

Proj. Mgr: **Maiya Parks**

AcctNum / Client ID:

Table #:

Profile / Template: **15836**

Prelog / Bottle Ord. ID: **EZ 3222943**

Preservation non-conformance identified for sample:

Additional Instructions from Pace®:
ARK-CSURF-ASSMT-2025S1

Collected By: (Printed Name) Graceth G

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time: 2/11/25 1402	Received by/Company: (Signature)	Date/Time: 2/11/25 1402	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Arcadis

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Arcad)

Project

WO#: 92778963
PM: MP Due Date: 02/19/25
CLIENT: GA-ArcadAtl

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Pace ☐ Other:___ ☑ Client

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents:___

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☐ IR Gun ID: T30

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.1 Correction Factor: Add/Subtract (°C) 0.1

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: W	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Baltrax ID: 69614

WO#: 92778963
PM: MP Due Date: 02/19/25
CLIENT: GA-ArcadAtl

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ M

Client Profile/EZ (Circle one) Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1			2				1																							
2			2				1																							
3			2				1																							
4			2				1																							
5			2				1																							
6			2				1																							
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

May 14, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Plant Arkwright Ash Pond 3
Work Order: 721300

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 25, 2025. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 721300 in the left-hand footer of the data report. Revision 01 corrects the metals parameter list.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
721300001	ARK-ARGWC-17	Ground Water	04/24/25 13:25	04/25/25 09:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

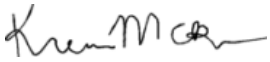
Method	Run Date ID
SW846 3005A	09-MAY-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	26-APR-2025
SM 2540C	01-MAY-2025
SW846 3005A/6020B	12-MAY-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 721300 GEL Work Order: 721300

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 14, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater CompliancePlant Arkwright Ash Pond 3

Client Sample ID:	ARK-ARGWC-17	Project:	GPCC01924
Sample ID:	721300001	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	24-APR-25 13:25		
Receive Date:	25-APR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		113	2.66	8.00	mg/L		20	CWW	04/26/25	0618	2788052	1
Chloride		2.61	0.0670	0.200	mg/L		1	CWW	04/26/25	1824	2788052	2
Fluoride	J	0.0503	0.0330	0.100	mg/L		1					
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Boron		0.0531	0.00520	0.0150	mg/L	1.00	1	BAJ	05/12/25	0810	2789088	3
Calcium		21.6	0.0800	0.200	mg/L	1.00	1					
Cobalt		0.0177	0.000300	0.00100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		200	2.38	10.0	mg/L			SC1	05/01/25	1540	2790633	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HS2	05/09/25	1500	2789087

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: May 14, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **721300**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2788052										
QC1206084901 721261001 DUP										
Chloride		5.59		5.59	mg/L	0.059		(0%-20%)	CWW	04/26/25 00:59
Fluoride		0.354		0.353	mg/L	0.141	^	(+/-0.100)		
Sulfate		3.29		3.28	mg/L	0.195		(0%-20%)		
QC1206084900 LCS										
Chloride	5.00			4.68	mg/L		93.6	(90%-110%)		04/25/25 22:20
Fluoride	2.50			2.34	mg/L		93.6	(90%-110%)		
Sulfate	10.0			9.62	mg/L		96.2	(90%-110%)		
QC1206084899 MB										
Chloride			U	ND	mg/L					04/25/25 21:49
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					
QC1206084902 721261001 PS										
Chloride	5.00	5.59		10.6	mg/L		99.9	(90%-110%)		04/26/25 01:31
Fluoride	2.50	0.354		2.71	mg/L		94.4	(90%-110%)		
Sulfate	10.0	3.29		12.8	mg/L		94.7	(90%-110%)		

QC Summary

Workorder: **721300**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2789088										
QC1206087493 LCS										
Calcium	2.00			2.20	mg/L		110	(80%-120%)	BAJ	05/12/25 07:06
Cobalt	0.0500			0.0514	mg/L		103	(80%-120%)		
QC1206087492 MB										
Calcium			U	ND	mg/L					05/12/25 07:03
Cobalt			U	ND	mg/L					
QC1206087494 721292002 MS										
Calcium	2.00	97.4		99.7	mg/L		N/A	(75%-125%)		05/12/25 07:38
Cobalt	0.0500	0.0244		0.0750	mg/L		101	(75%-125%)		05/12/25 07:24
QC1206087495 721292002 MSD										
Calcium	2.00	97.4		100	mg/L	0.678	N/A	(0%-20%)		05/12/25 07:41
Cobalt	0.0500	0.0244		0.0729	mg/L	2.85	96.9	(0%-20%)		05/12/25 07:27
QC1206087497 721292002 SDILT										
Calcium		9740		2060	ug/L	5.76		(0%-20%)		05/12/25 07:44
Cobalt		24.4		5.26	ug/L	7.71		(0%-20%)		05/12/25 07:33
Solids Analysis										
Batch 2790633										
QC1206090794 721788006 DUP										
Total Dissolved Solids		1040		1060	mg/L	2		(0%-5%)	SC1	05/01/25 15:40
QC1206090792 LCS										
Total Dissolved Solids	300			302	mg/L		101	(95%-105%)		05/01/25 15:40

QC Summary

Workorder: **721300**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Solids Analysis											
Batch 2790633											
QC1206090791 MB											
Total Dissolved Solids			U	ND	mg/L				SC1	05/01/25	15:40

Notes:

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
x	Subaliquot was taken. See Case Narrative for details.

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QC Summary

Workorder: **721300**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2789088

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2789087

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
721300001	ARK-ARGWC-17
1206087492	Method Blank (MB)**ICP-MS**
1206087493	Laboratory Control Sample (LCS)
1206087497	721292002(NonSDGL) Serial Dilution (SD)
1206087494	721292002(NonSDGS) Matrix Spike (MS)
1206087495	721292002(NonSDGSD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2788052

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
721300001	ARK-ARGWC-17
1206084899	Method Blank (MB)
1206084900	Laboratory Control Sample (LCS)

1206084901	721261001(NonSDG) Sample Duplicate (DUP)
1206084902	721261001(NonSDG) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following sample 721300001 (ARK-ARGWC-17) was diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	721300 001
Sulfate	20X

Miscellaneous Information

Manual Integrations
Samples 1206084901 (Non SDG 721261001DUP), 1206084902 (Non SDG 721261001PS) and 721300001 (ARK-ARGWC-17) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2790633

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
721300001	ARK-ARGWC-17
1206090791	Method Blank (MB)
1206090792	Laboratory Control Sample (LCS)
1206090794	721788006(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project # 175569434
GEL Quote #:
COC Number [1]: 1 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

721300

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Jacob Ashe

Send Results To: jabraham@southernco.com EDD@stantec.com
jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	*Metals (6020B)	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	<-- Preservative Type (6)	Comments (task_code: ARK-CCR-OTH-20250424)
ARK-ARGWC-17	04-24-25	1325	N	N	WG			3		X	X	X		*Metals: B, Ca, Co

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date		Received by (signed)	Print Name	Date
1	Jackson Bankston Stantec		4/24/2025	1		FedEx	4/24/25
2				2			4/25/25 900
3				3			

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] Level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page 1 of 1 SDG: 721300 Rev1

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 721292 721300	GEL PM:
Received By: QG	Date Received at GEL: 4/25/25	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
2879 3053 78_9	0c				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (if yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials SH Date 4/28/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 14 May 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

July 08, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Compliance Ash Pond 3
Work Order: 729476

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 13, 2025. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 729476 in the left-hand footer of the data report. This package has been revised to report sulfate by EPA method 300.0.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. This report includes Client Sample ID ARK-ARGWC-17 was originally logged under Work Order 728769006 but has been moved to its own report, as it requires submission to the EQIS Database. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
729476001	ARK-ARGWC-17	Ground Water	06/12/25 13:35	06/13/25 10:15

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
SW846 3005A	16-JUN-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	14-JUN-2025
SM 2540C	17-JUN-2025
SW846 3005A/6020B	26-JUN-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,

Alaina Pinnick

Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 729476 GEL Work Order: 729476

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: July 8, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater ComplianceAsh Pond 3

Client Sample ID:	ARK-ARGWC-17	Project:	GPCC01924
Sample ID:	729476001	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	12-JUN-25 13:35		
Receive Date:	13-JUN-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.43	0.0670	0.200	mg/L		1	TXT1	06/14/25	1454	2813686	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		107	2.66	8.00	mg/L		20	TXT1	06/14/25	1525	2813686	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Boron		0.0685	0.00520	0.0150	mg/L	1.00	1	PRB	06/26/25	1841	2813546	3
Calcium		17.3	0.0800	0.200	mg/L	1.00	1					
Cobalt		0.0134	0.000300	0.00100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		185	2.38	10.0	mg/L			SC1	06/17/25	0851	2814389	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	GF1	06/16/25	1605	2813545

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: July 8, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **729476**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2813686												
QC1206140826 728769002 DUP												
Chloride			2.98		2.98	mg/L	0.0638			(0%-20%)	TXT1	06/14/25 07:28
Fluoride		J	0.0538	J	0.0574	mg/L	6.47	^		(+/-0.100)		
Sulfate			473		478	mg/L	0.947			(0%-20%)		06/14/25 10:39
QC1206140823 LCS												
Chloride	5.00				4.64	mg/L			92.8	(90%-110%)		06/13/25 21:22
Fluoride	2.50				2.36	mg/L			94.4	(90%-110%)		
Sulfate	10.0				9.53	mg/L			95.3	(90%-110%)		
QC1206140822 MB												
Chloride				J	0.119	mg/L						06/13/25 20:51
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						
QC1206140827 728769002 PS												
Chloride	5.00		2.98		7.63	mg/L			93	(90%-110%)		06/14/25 07:59
Fluoride	2.50	J	0.0538		2.20	mg/L			85.7*	(90%-110%)		
Sulfate	10.0		11.8		21.8	mg/L			100	(90%-110%)		06/14/25 11:11

QC Summary

Workorder: **729476**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2813546										
QC1206140518 LCS										
Boron	0.100			0.108	mg/L		108	(80%-120%)	PRB	06/26/25 18:09
Calcium	2.00			2.07	mg/L		104	(80%-120%)		
Cobalt	0.0500			0.0478	mg/L		95.5	(80%-120%)		
QC1206140517 MB										
Boron			U	ND	mg/L					06/26/25 18:06
Calcium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
QC1206140519 728769001 MS										
Boron	0.100	0.230		0.325	mg/L		94.6	(75%-125%)		06/27/25 16:02
Calcium	2.00	215		205	mg/L		N/A	(75%-125%)		06/26/25 18:47
Cobalt	0.0500	0.0144		0.0567	mg/L		84.6	(75%-125%)		06/26/25 18:14
QC1206140520 728769001 MSD										
Boron	0.100	0.230		0.330	mg/L	1.58	99.8	(0%-20%)		06/27/25 16:04
Calcium	2.00	215		219	mg/L	6.85	N/A	(0%-20%)		06/26/25 18:50
Cobalt	0.0500	0.0144		0.0581	mg/L	2.57	87.6	(0%-20%)		06/26/25 18:17
QC1206140522 728769001 SDILT										
Boron		230	J	247	ug/L	7.34		(0%-20%)		06/27/25 16:07

QC Summary

Workorder: **729476**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2813546										
Calcium		215000		204000	ug/L	5.26		(0%-20%)	PRB	06/26/25 18:53
Cobalt		14.4		3.02	ug/L	5.21		(0%-20%)		06/26/25 18:22
Solids Analysis										
Batch 2814389										
QC1206142330 728487003 DUP										
Total Dissolved Solids		715		748	mg/L	4.51		(0%-5%)	SC1	06/17/25 08:51
QC1206142329 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		06/17/25 08:51
QC1206142328 MB										
Total Dissolved Solids			U	ND	mg/L					06/17/25 08:51

Notes:

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded
- R Sample results are rejected
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

QC Summary

Workorder: **729476**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N1 See case narrative

R Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.

B The target analyte was detected in the associated blank.

e 5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes

x Subaliquot was taken. See Case Narrative for details.

N Metals--The Matrix spike sample recovery is not within specified control limits

E %difference of sample and SD is >10%. Sample concentration must meet flagging criteria

FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies

Y Other specific qualifiers were required to properly define the results. Consult case narrative.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 729476

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2813546

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2813545

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
729476001	ARK-ARGWC-17
1206140517	Method Blank (MB)**ICP-MS**
1206140518	Laboratory Control Sample (LCS)
1206140522	728769001(NonSDGL) Serial Dilution (SD)
1206140519	728769001(NonSDGS) Matrix Spike (MS)
1206140520	728769001(NonSDGSD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2813686

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
729476001	ARK-ARGWC-17
1206140822	Method Blank (MB)
1206140823	Laboratory Control Sample (LCS)

1206140826	728769002(NonSDG) Sample Duplicate (DUP)
1206140827	728769002(NonSDG) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Matrix Spike (MS)/Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

Analyte	Sample	Value
Fluoride	1206140827 (Non SDG 728769002PS)	85.7* (90%-110%)

Technical Information

Sample Dilutions
The following samples 1206140826 (Non SDG 728769002DUP), 1206140827 (Non SDG 728769002PS) and 729476001 (ARK-ARGWC-17) were diluted because target analyte concentrations exceeded the calibration range. Samples 1206140826 (Non SDG 728769002DUP), 1206140827 (Non SDG 728769002PS) and 729476001 (ARK-ARGWC-17) were diluted based on historical data. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	729476 001
Sulfate	20X

Miscellaneous Information

Manual Integrations
Samples 1206140826 (Non SDG 728769002DUP), 1206140827 (Non SDG 728769002PS) and 729476001 (ARK-ARGWC-17) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2814389

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
729476001	ARK-ARGWC-17
1206142328	Method Blank (MB)
1206142329	Laboratory Control Sample (LCS)

1206142330 728487003(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1

Project # 175569434

GEL Quote #:

COC Number [1]: 1 Sample Cooler(s) 1

PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

729476

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond 3 Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Jacob Ashe Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	*Metals (6020B)	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	<-- Preservative Type (6)	Comments (task_code: ARK-CCR-OTH-20250612)
ARK-ARGWC-17	06-12-25	1335	N	N	WG			3		X	X	X		*Metals: B, Ca, Co

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston	Stantec	6/12/2025	1		6/13/25 1015
2				2		
3				3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] Level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 1 °C

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 729769, 729476	GEL PM:
Received By: KE	Date Received at GEL: 06/13/25	

Courier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-24 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
2897 2698 8881	1				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): ___ CPM / mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials SH Date 6/16/25

☐ Confirmation Form Required when selected

List of current GEL Certifications as of 08 July 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

May 15, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Plant Arkwright Ash Pond 3
Work Order: 721292

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 25, 2025. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 721292 in the left-hand footer of the data report. Revision 01 corrects the metals parameter list.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
721292001	ARK-AP3-PZ-01-TEMP-37	Ground Water	04/24/25 15:05	04/25/25 09:00
721292002	ARK-AP3-PZ-02-TEMP-33	Ground Water	04/24/25 14:05	04/25/25 09:00
721292003	ARK-AP3-PZ-03-TEMP-40	Ground Water	04/24/25 12:05	04/25/25 09:00
721292004	ARK-AP3-PZ-04-TEMP-31	Ground Water	04/24/25 15:10	04/25/25 09:00
721292005	ARK-AP3-PZ-05-TEMP-39	Ground Water	04/24/25 10:30	04/25/25 09:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

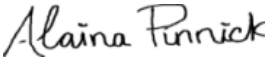
Method	Run Date ID
SW846 3005A	09-MAY-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	26-APR-2025
SM 2540C	01-MAY-2025
SW846 3005A/6020B	12-MAY-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 721292 GEL Work Order: 721292

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 15, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Plant Arkwright Ash Pond 3

Client Sample ID:	ARK-AP3-PZ-01-TEMP-37	Project:	GPCC00725
Sample ID:	721292001	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	24-APR-25 15:05		
Receive Date:	25-APR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.70	0.134	0.400	mg/L		2	CWW	04/26/25	1202	2788052	1
Fluoride	J	0.0990	0.0660	0.200	mg/L		2					
Sulfate		1140	13.3	40.0	mg/L		100	CWW	04/26/25	1234	2788052	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Cobalt		0.0335	0.000300	0.00100	mg/L	1.00	1	BAJ	05/12/25	0709	2789088	3
Boron		0.203	0.0520	0.150	mg/L	1.00	10	BAJ	05/12/25	0712	2789088	4
Calcium		215	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1680	4.76	20.0	mg/L			SC1	05/01/25	1540	2790633	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HS2	05/09/25	1500	2789087

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 15, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Plant Arkwright Ash Pond 3

Client Sample ID:	ARK-AP3-PZ-02-TEMP-33	Project:	GPCC00725
Sample ID:	721292002	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	24-APR-25 14:05		
Receive Date:	25-APR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.63	0.0670	0.200	mg/L		1	CWW	04/26/25	1305	2788052	1
Fluoride	J	0.0606	0.0330	0.100	mg/L		1					
Sulfate		485	5.32	16.0	mg/L		40	CWW	04/26/25	1337	2788052	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Cobalt		0.0244	0.000300	0.00100	mg/L	1.00	1	BAJ	05/12/25	0721	2789088	3
Boron	J	0.103	0.0520	0.150	mg/L	1.00	10	BAJ	05/12/25	0735	2789088	4
Calcium		97.4	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		775	2.38	10.0	mg/L			SC1	05/01/25	1540	2790633	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HS2	05/09/25	1500	2789087

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 15, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Plant Arkwright Ash Pond 3

Client Sample ID:	ARK-AP3-PZ-03-TEMP-40	Project:	GPCC00725
Sample ID:	721292003	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	24-APR-25 12:05		
Receive Date:	25-APR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.45	0.134	0.400	mg/L		2	CWW	04/26/25	1409	2788052	1
Fluoride	J	0.110	0.0660	0.200	mg/L		2					
Sulfate		1420	13.3	40.0	mg/L		100	CWW	04/26/25	1441	2788052	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Cobalt		0.0558	0.000300	0.00100	mg/L	1.00	1	BAJ	05/12/25	0753	2789088	3
Boron		0.814	0.0520	0.150	mg/L	1.00	10	BAJ	05/12/25	0756	2789088	4
Calcium		327	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2170	4.76	20.0	mg/L			SC1	05/01/25	1540	2790633	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HS2	05/09/25	1500	2789087

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 15, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Plant Arkwright Ash Pond 3

Client Sample ID:	ARK-AP3-PZ-04-TEMP-31	Project:	GPCC00725
Sample ID:	721292004	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	24-APR-25 15:10		
Receive Date:	25-APR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.41	0.134	0.400	mg/L		2	CWW	04/26/25	1513	2788052	1
Fluoride	J	0.0948	0.0660	0.200	mg/L		2					
Sulfate		1030	13.3	40.0	mg/L		100	CWW	04/26/25	1545	2788052	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Cobalt		0.0224	0.000300	0.00100	mg/L	1.00	1	BAJ	05/12/25	0759	2789088	3
Boron		0.454	0.0520	0.150	mg/L	1.00	10	BAJ	05/12/25	0802	2789088	4
Calcium		241	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1580	4.76	20.0	mg/L			SC1	05/01/25	1540	2790633	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HS2	05/09/25	1500	2789087

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 15, 2025

Company : Georgia Power Company, Southern Company
Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Joju Abraham
Project: Arkwright CCR Groundwater Plant Arkwright Ash Pond 3

Client Sample ID:	ARK-AP3-PZ-05-TEMP-39	Project:	GPCC00725
Sample ID:	721292005	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	24-APR-25 10:30		
Receive Date:	25-APR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.33	0.134	0.400	mg/L		2	CWW	04/26/25	1616	2788052	1
Fluoride		0.222	0.0660	0.200	mg/L		2					
Sulfate		1250	13.3	40.0	mg/L		100	CWW	04/26/25	1648	2788052	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Cobalt		0.0151	0.000300	0.00100	mg/L	1.00	1	BAJ	05/12/25	0805	2789088	3
Boron		0.649	0.0520	0.150	mg/L	1.00	10	BAJ	05/12/25	0807	2789088	4
Calcium		294	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1930	4.76	20.0	mg/L			SC1	05/01/25	1540	2790633	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HS2	05/09/25	1500	2789087

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: May 15, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **721292**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2788052										
QC1206084901 721261001 DUP										
Chloride		5.59		5.59	mg/L	0.059		(0%-20%)	CWW	04/26/25 00:59
Fluoride		0.354		0.353	mg/L	0.141	^	(+/-0.100)		
Sulfate		3.29		3.28	mg/L	0.195		(0%-20%)		
QC1206084900 LCS										
Chloride	5.00			4.68	mg/L		93.6	(90%-110%)		04/25/25 22:20
Fluoride	2.50			2.34	mg/L		93.6	(90%-110%)		
Sulfate	10.0			9.62	mg/L		96.2	(90%-110%)		
QC1206084899 MB										
Chloride			U	ND	mg/L					04/25/25 21:49
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					
QC1206084902 721261001 PS										
Chloride	5.00	5.59		10.6	mg/L		99.9	(90%-110%)		04/26/25 01:31
Fluoride	2.50	0.354		2.71	mg/L		94.4	(90%-110%)		
Sulfate	10.0	3.29		12.8	mg/L		94.7	(90%-110%)		

QC Summary

Workorder: **721292**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2789088											
QC1206087493 LCS											
Boron	0.100				0.107	mg/L		107	(80%-120%)	BAJ	05/12/25 07:06
Calcium	2.00				2.20	mg/L		110	(80%-120%)		
Cobalt	0.0500				0.0514	mg/L		103	(80%-120%)		
QC1206087492 MB											
Boron				U	ND	mg/L					05/12/25 07:03
Calcium				U	ND	mg/L					
Cobalt				U	ND	mg/L					
QC1206087494 721292002 MS											
Boron	0.100	J	0.103		0.201	mg/L		98.2	(75%-125%)		05/12/25 07:38
Calcium	2.00		97.4		99.7	mg/L		N/A	(75%-125%)		
Cobalt	0.0500		0.0244		0.0750	mg/L		101	(75%-125%)		05/12/25 07:24
QC1206087495 721292002 MSD											
Boron	0.100	J	0.103		0.203	mg/L	1.27	101	(0%-20%)		05/12/25 07:41
Calcium	2.00		97.4		100	mg/L	0.678	N/A	(0%-20%)		
Cobalt	0.0500		0.0244		0.0729	mg/L	2.85	96.9	(0%-20%)		05/12/25 07:27
QC1206087497 721292002 SDILT											
Boron		J	10.3	U	ND	ug/L	N/A		(0%-20%)		05/12/25 07:44

QC Summary

Workorder: **721292**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2789088										
Calcium		9740		2060	ug/L	5.76		(0%-20%)	BAJ	05/12/25 07:44
Cobalt		24.4		5.26	ug/L	7.71		(0%-20%)		05/12/25 07:33
Solids Analysis										
Batch 2790633										
QC1206090794 721788006 DUP										
Total Dissolved Solids		1040		1060	mg/L	2		(0%-5%)	SC1	05/01/25 15:40
QC1206090792 LCS										
Total Dissolved Solids	300			302	mg/L		101	(95%-105%)		05/01/25 15:40
QC1206090791 MB										
Total Dissolved Solids			U	ND	mg/L					05/01/25 15:40

Notes:

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

QC Summary

Workorder: **721292**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range

Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies

N1 See case narrative

Y Other specific qualifiers were required to properly define the results. Consult case narrative.

R Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.

B The target analyte was detected in the associated blank.

e 5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes

x Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2789088

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2789087

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
721292001	ARK-AP3-PZ-01-TEMP-37
721292002	ARK-AP3-PZ-02-TEMP-33
721292003	ARK-AP3-PZ-03-TEMP-40
721292004	ARK-AP3-PZ-04-TEMP-31
721292005	ARK-AP3-PZ-05-TEMP-39
1206087492	Method Blank (MB)**ICP-MS**
1206087493	Laboratory Control Sample (LCS)
1206087497	721292002(ARK-AP3-PZ-02-TEMP-33L) Serial Dilution (SD)
1206087494	721292002(ARK-AP3-PZ-02-TEMP-33S) Matrix Spike (MS)
1206087495	721292002(ARK-AP3-PZ-02-TEMP-33SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 721292001 (ARK-AP3-PZ-01-TEMP-37), 721292002 (ARK-AP3-PZ-02-TEMP-33), 721292003 (ARK-AP3-PZ-03-TEMP-40), 721292004 (ARK-AP3-PZ-04-TEMP-31) and 721292005 (ARK-AP3-PZ-05-TEMP-39) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	721292				
	001	002	003	004	005
Boron	10X	10X	10X	10X	10X
Calcium	10X	10X	10X	10X	10X

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2788052

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
721292001	ARK-AP3-PZ-01-TEMP-37
721292002	ARK-AP3-PZ-02-TEMP-33
721292003	ARK-AP3-PZ-03-TEMP-40
721292004	ARK-AP3-PZ-04-TEMP-31
721292005	ARK-AP3-PZ-05-TEMP-39
1206084899	Method Blank (MB)
1206084900	Laboratory Control Sample (LCS)
1206084901	721261001(NonSDG) Sample Duplicate (DUP)
1206084902	721261001(NonSDG) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 721292001 (ARK-AP3-PZ-01-TEMP-37), 721292002 (ARK-AP3-PZ-02-TEMP-33), 721292003 (ARK-AP3-PZ-03-TEMP-40), 721292004 (ARK-AP3-PZ-04-TEMP-31) and 721292005 (ARK-AP3-PZ-05-TEMP-39) were diluted because target analyte concentrations exceeded the calibration range. Samples 721292001 (ARK-AP3-PZ-01-TEMP-37), 721292003 (ARK-AP3-PZ-03-TEMP-40), 721292004 (ARK-AP3-PZ-04-TEMP-31) and 721292005 (ARK-AP3-PZ-05-TEMP-39) were diluted to minimize matrix effects on instrument performance. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	721292				
	001	002	003	004	005
Chloride	2X	1X	2X	2X	2X
Fluoride	2X	1X	2X	2X	2X
Sulfate	100X	40X	100X	100X	100X

Miscellaneous Information

Manual Integrations
Samples 1206084901 (Non SDG 721261001DUP), 1206084902 (Non SDG 721261001PS), 721292001 (ARK-AP3-PZ-01-TEMP-37), 721292002 (ARK-AP3-PZ-02-TEMP-33), 721292003 (ARK-AP3-PZ-03-TEMP-40) and 721292004 (ARK-AP3-PZ-04-TEMP-31) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2790633

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
721292001	ARK-AP3-PZ-01-TEMP-37
721292002	ARK-AP3-PZ-02-TEMP-33
721292003	ARK-AP3-PZ-03-TEMP-40
721292004	ARK-AP3-PZ-04-TEMP-31
721292005	ARK-AP3-PZ-05-TEMP-39
1206090791	Method Blank (MB)
1206090792	Laboratory Control Sample (LCS)
1206090794	721788006(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Consecutive Weight Checks
In order to meet consecutive weight check criteria, weight events must be within 0.0005g of each other. After initial weight checks failed this criteria, the analyst performed two additional weight events. After four weight events, the analyst was unable to get the samples to conform to the criteria. The failure to meet weigh back criteria is attributed to the matrix of the samples. 721292003 (ARK-AP3-PZ-03-TEMP-40) and 721292004 (ARK-AP3-PZ-04-TEMP-31).

Miscellaneous Information

Additional Comments
A TDS meter was used to check the samples for approximate concentration prior to analysis. 721292001 (ARK-AP3-PZ-01-TEMP-37), 721292003 (ARK-AP3-PZ-03-TEMP-40), 721292004 (ARK-AP3-PZ-04-TEMP-31) and 721292005 (ARK-AP3-PZ-05-TEMP-39).

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1

Project # 175569434

GEL Quote #:

COC Number [1]: 2 Sample Cooler(s) 1

PO Number: GPC82177-0005

Page 16 of 18 SDG 721292 Rev1

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

721292

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Jacob Ashe

Send Results To: jabraham@southernco.com EDD@stantec.com
jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	*Metals (6020B)	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	NI	<-- Preservative Type (6)	Comments
ARK-AP3-PZ-01-TEMP-37	04-24-25	1505	N	N	WG			3	X	X	X			*Metals: B, Ca, Co
ARK-AP3-PZ-02-TEMP-33	04-24-25	1405	N	N	WG			3	X	X	X			
ARK-AP3-PZ-03-TEMP-40	04-24-25	1205	N	N	WG			3	X	X	X			
ARK-AP3-PZ-04-TEMP-31	04-24-25	1510	N	N	WG			3	X	X	X			
ARK-AP3-PZ-05-TEMP-39	04-24-25	1030	N	N	WG			3	X	X	X			

Comments: Do not report this project to EQuIS

Chain of Custody Signatures

Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1 Jackson Bankston	Stantec	4/24/2025	1	Fedex	4/24/25
2			2		4/25/25 700
3			3		

TAT Requested: **Normal:** X **Rush:** _____ **Specify:** _____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 721292 721300	GEL PM:
Received By: QG	Date Received at GEL: 4/25/25	

Carrier: (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
2879 3053 78_9	0c				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)		✓		If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials SH Date 4/28/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 15 May 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

June 27, 2025

Joju Abraham
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Arkwright CCR Groundwater Ash Pond 3
Work Order: 728769

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 13, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
728769001	ARK-AP3-PZ-01-TEMP-37	Ground Water	06/12/25 10:40	06/13/25 10:15
728769002	ARK-AP3-PZ-02-TEMP-33	Ground Water	06/12/25 11:55	06/13/25 10:15
728769003	ARK-AP3-PZ-03-TEMP-40	Ground Water	06/12/25 11:25	06/13/25 10:15
728769004	ARK-AP3-PZ-04-TEMP-31	Ground Water	06/12/25 13:00	06/13/25 10:15
728769005	ARK-AP3-PZ-05-TEMP-39	Ground Water	06/12/25 12:15	06/13/25 10:15
728769006	ARK-ARGWC-17	Ground Water	06/12/25 13:35	06/13/25 10:15

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
SW846 3005A	16-JUN-2025

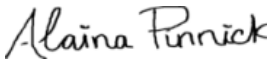
Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	14-JUN-2025
SM 2540C	17-JUN-2025

SW846 3005A/6020B 26-JUN-2025
SW846 3005A/6020B 27-JUN-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0005
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC003 Georgia Power Company

Client SDG: 728769 GEL Work Order: 728769

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: June 27, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Ash Pond 3

Client Sample ID:	ARK-AP3-PZ-01-TEMP-37	Project:	GPCC00725
Sample ID:	728769001	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	12-JUN-25 10:40		
Receive Date:	13-JUN-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.74	0.134	0.400	mg/L		2	TXT1	06/14/25	0552	2813686	1
Fluoride	J	0.141	0.0660	0.200	mg/L		2					
Sulfate		1160	13.3	40.0	mg/L		100	TXT1	06/14/25	0624	2813686	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Cobalt		0.0144	0.000300	0.00100	mg/L	1.00	1	PRB	06/26/25	1811	2813546	3
Calcium		215	0.800	2.00	mg/L	1.00	10	PRB	06/26/25	1844	2813546	4
Boron		0.230	0.0260	0.0750	mg/L	1.00	5	PRB	06/27/25	1600	2813546	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1830	2.38	10.0	mg/L			SC1	06/17/25	0851	2814389	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	GF1	06/16/25	1605	2813545

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: June 27, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Ash Pond 3

Client Sample ID:	ARK-AP3-PZ-02-TEMP-33	Project:	GPCC00725
Sample ID:	728769002	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	12-JUN-25 11:55		
Receive Date:	13-JUN-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		2.98	0.0670	0.200	mg/L		1	TXT1	06/14/25	0656	2813686	1
Fluoride	J	0.0538	0.0330	0.100	mg/L		1					
Sulfate		473	5.32	16.0	mg/L		40	TXT1	06/14/25	0831	2813686	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Boron		0.103	0.00520	0.0150	mg/L	1.00	1	PRB	06/26/25	1830	2813546	3
Cobalt		0.0242	0.000300	0.00100	mg/L	1.00	1					
Calcium		84.2	0.800	2.00	mg/L	1.00	10	PRB	06/26/25	1901	2813546	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		707	2.38	10.0	mg/L			SC1	06/17/25	0851	2814389	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	GF1	06/16/25	1605	2813545

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: June 27, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Ash Pond 3

Client Sample ID:	ARK-AP3-PZ-03-TEMP-40	Project:	GPCC00725
Sample ID:	728769003	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	12-JUN-25 11:25		
Receive Date:	13-JUN-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.13	0.134	0.400	mg/L		2	TXT1	06/14/25	1142	2813686	1
Fluoride	J	0.159	0.0660	0.200	mg/L		2					
Sulfate		1540	13.3	40.0	mg/L		100	TXT1	06/14/25	1214	2813686	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Cobalt		0.0344	0.000300	0.00100	mg/L	1.00	1	PRB	06/26/25	1833	2813546	3
Boron		0.758	0.0520	0.150	mg/L	1.00	10	PRB	06/26/25	1904	2813546	4
Calcium		315	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2290	4.76	20.0	mg/L			SC1	06/17/25	0851	2814389	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	GF1	06/16/25	1605	2813545

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: June 27, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Ash Pond 3

Client Sample ID:	ARK-AP3-PZ-04-TEMP-31	Project:	GPCC00725
Sample ID:	728769004	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	12-JUN-25 13:00		
Receive Date:	13-JUN-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.81	0.134	0.400	mg/L		2	TXT1	06/14/25	1246	2813686	1
Fluoride	J	0.169	0.0660	0.200	mg/L		2					
Sulfate		1110	13.3	40.0	mg/L		100	TXT1	06/14/25	1318	2813686	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Cobalt		0.0118	0.000300	0.00100	mg/L	1.00	1	PRB	06/26/25	1836	2813546	3
Boron		0.437	0.0520	0.150	mg/L	1.00	10	PRB	06/26/25	1908	2813546	4
Calcium		236	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1740	2.38	10.0	mg/L			SC1	06/17/25	0851	2814389	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	GF1	06/16/25	1605	2813545

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: June 27, 2025

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Joju Abraham
Project:	Arkwright CCR Groundwater Ash Pond 3

Client Sample ID:	ARK-AP3-PZ-05-TEMP-39	Project:	GPCC00725
Sample ID:	728769005	Client ID:	GPCC003
Matrix:	WG		
Collect Date:	12-JUN-25 12:15		
Receive Date:	13-JUN-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.40	0.134	0.400	mg/L		2	TXT1	06/14/25	1350	2813686	1
Fluoride	J	0.161	0.0660	0.200	mg/L		2					
Sulfate		1380	13.3	40.0	mg/L		100	TXT1	06/14/25	1422	2813686	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Cobalt		0.00785	0.000300	0.00100	mg/L	1.00	1	PRB	06/26/25	1839	2813546	3
Boron		0.660	0.0520	0.150	mg/L	1.00	10	PRB	06/26/25	1911	2813546	4
Calcium		279	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2200	4.76	20.0	mg/L			SC1	06/17/25	0851	2814389	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	GF1	06/16/25	1605	2813545

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: June 27, 2025

Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **728769**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2813686												
QC1206140826 728769002 DUP												
Chloride			2.98		2.98	mg/L	0.0638			(0%-20%)	TXT1	06/14/25 07:28
Fluoride		J	0.0538	J	0.0574	mg/L	6.47	^		(+/-0.100)		
Sulfate			473		478	mg/L	0.947			(0%-20%)		06/14/25 10:39
QC1206140823 LCS												
Chloride	5.00				4.64	mg/L			92.8	(90%-110%)		06/13/25 21:22
Fluoride	2.50				2.36	mg/L			94.4	(90%-110%)		
Sulfate	10.0				9.53	mg/L			95.3	(90%-110%)		
QC1206140822 MB												
Chloride				J	0.119	mg/L						06/13/25 20:51
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						
QC1206140827 728769002 PS												
Chloride	5.00		2.98		7.63	mg/L			93	(90%-110%)		06/14/25 07:59
Fluoride	2.50	J	0.0538		2.20	mg/L			85.7*	(90%-110%)		
Sulfate	10.0		11.8		21.8	mg/L			100	(90%-110%)		06/14/25 11:11

QC Summary

Workorder: **728769**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2813546										
QC1206140518 LCS										
Boron	0.100			0.108	mg/L		108	(80%-120%)	PRB	06/26/25 18:09
Calcium	2.00			2.07	mg/L		104	(80%-120%)		
Cobalt	0.0500			0.0478	mg/L		95.5	(80%-120%)		
QC1206140517 MB										
Boron			U	ND	mg/L					06/26/25 18:06
Calcium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
QC1206140519 728769001 MS										
Boron	0.100	0.230		0.325	mg/L		94.6	(75%-125%)		06/27/25 16:02
Calcium	2.00	215		205	mg/L		N/A	(75%-125%)		06/26/25 18:47
Cobalt	0.0500	0.0144		0.0567	mg/L		84.6	(75%-125%)		06/26/25 18:14
QC1206140520 728769001 MSD										
Boron	0.100	0.230		0.330	mg/L	1.58	99.8	(0%-20%)		06/27/25 16:04
Calcium	2.00	215		219	mg/L	6.85	N/A	(0%-20%)		06/26/25 18:50
Cobalt	0.0500	0.0144		0.0581	mg/L	2.57	87.6	(0%-20%)		06/26/25 18:17
QC1206140522 728769001 SDILT										
Boron		230	J	247	ug/L	7.34		(0%-20%)		06/27/25 16:07

QC Summary

Workorder: **728769**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2813546										
Calcium		215000		204000	ug/L	5.26		(0%-20%)	PRB	06/26/25 18:53
Cobalt		14.4		3.02	ug/L	5.21		(0%-20%)		06/26/25 18:22
Solids Analysis										
Batch 2814389										
QC1206142330 728487003 DUP										
Total Dissolved Solids		715		748	mg/L	4.51		(0%-5%)	SC1	06/17/25 08:51
QC1206142329 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		06/17/25 08:51
QC1206142328 MB										
Total Dissolved Solids			U	ND	mg/L					06/17/25 08:51

Notes:

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- N Metals--The Matrix spike sample recovery is not within specified control limits
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported
- h Preparation or preservation holding time was exceeded
- R Sample results are rejected
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- E %difference of sample and SD is >10%. Sample concentration must meet flagging criteria
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

QC Summary

Workorder: **728769**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range

Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies

N1 See case narrative

Y Other specific qualifiers were required to properly define the results. Consult case narrative.

R Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.

B The target analyte was detected in the associated blank.

e 5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes

x Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 728769

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2813546

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2813545

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
728769001	ARK-AP3-PZ-01-TEMP-37
728769002	ARK-AP3-PZ-02-TEMP-33
728769003	ARK-AP3-PZ-03-TEMP-40
728769004	ARK-AP3-PZ-04-TEMP-31
728769005	ARK-AP3-PZ-05-TEMP-39
1206140517	Method Blank (MB)**ICP-MS**
1206140518	Laboratory Control Sample (LCS)
1206140522	728769001(ARK-AP3-PZ-01-TEMP-37L) Serial Dilution (SD)
1206140519	728769001(ARK-AP3-PZ-01-TEMP-37S) Matrix Spike (MS)
1206140520	728769001(ARK-AP3-PZ-01-TEMP-37SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 728769001 (ARK-AP3-PZ-01-TEMP-37), 728769002 (ARK-AP3-PZ-02-TEMP-33), 728769003 (ARK-AP3-PZ-03-TEMP-40), 728769004 (ARK-AP3-PZ-04-TEMP-31) and 728769005 (ARK-AP3-PZ-05-TEMP-39) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	728769				
	001	002	003	004	005
Boron	5X	1X	10X	10X	10X
Calcium	10X	10X	10X	10X	10X

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2813686

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
728769001	ARK-AP3-PZ-01-TEMP-37
728769002	ARK-AP3-PZ-02-TEMP-33
728769003	ARK-AP3-PZ-03-TEMP-40
728769004	ARK-AP3-PZ-04-TEMP-31
728769005	ARK-AP3-PZ-05-TEMP-39
1206140822	Method Blank (MB)
1206140823	Laboratory Control Sample (LCS)
1206140826	728769002(ARK-AP3-PZ-02-TEMP-33) Sample Duplicate (DUP)
1206140827	728769002(ARK-AP3-PZ-02-TEMP-33) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Matrix Spike (MS)/Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

Analyte	Sample	Value
Fluoride	1206140827 (ARK-AP3-PZ-02-TEMP-33PS)	85.7* (90%-110%)

Technical Information

Sample Dilutions
The following samples 1206140826 (ARK-AP3-PZ-02-TEMP-33DUP), 1206140827 (ARK-AP3-PZ-02-TEMP-33PS), 728769001 (ARK-AP3-PZ-01-TEMP-37), 728769002 (ARK-AP3-PZ-02-TEMP-33), 728769003 (ARK-AP3-PZ-03-TEMP-40), 728769004 (ARK-AP3-PZ-04-TEMP-31), 728769005 (ARK-AP3-PZ-05-TEMP-39) and 728769006 (ARK-ARGWC-17) were diluted because target analyte concentrations exceeded the calibration range.

Samples 728769001 (ARK-AP3-PZ-01-TEMP-37), 728769003 (ARK-AP3-PZ-03-TEMP-40), 728769004 (ARK-AP3-PZ-04-TEMP-31) and 728769005 (ARK-AP3-PZ-05-TEMP-39) were diluted to minimize matrix effects on instrument performance.
Samples 1206140826 (ARK-AP3-PZ-02-TEMP-33DUP), 1206140827 (ARK-AP3-PZ-02-TEMP-33PS), 728769001 (ARK-AP3-PZ-01-TEMP-37), 728769002 (ARK-AP3-PZ-02-TEMP-33), 728769003 (ARK-AP3-PZ-03-TEMP-40), 728769004 (ARK-AP3-PZ-04-TEMP-31), 728769005 (ARK-AP3-PZ-05-TEMP-39) and 728769006 (ARK-ARGWC-17) were diluted based on historical data. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	728769				
	001	**002**	**003**	**004**	**005**
Chloride	2X	1X	2X	2X	2X
Fluoride	2X	1X	2X	2X	2X
Sulfate	100X	40X	100X	100X	100X

Miscellaneous Information

Manual Integrations
Samples 1206140826 (ARK-AP3-PZ-02-TEMP-33DUP), 1206140827 (ARK-AP3-PZ-02-TEMP-33PS), 728769002 (ARK-AP3-PZ-02-TEMP-33) and 728769006 (ARK-ARGWC-17) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2814389

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
728769001	ARK-AP3-PZ-01-TEMP-37
728769002	ARK-AP3-PZ-02-TEMP-33
728769003	ARK-AP3-PZ-03-TEMP-40
728769004	ARK-AP3-PZ-04-TEMP-31
728769005	ARK-AP3-PZ-05-TEMP-39
1206142328	Method Blank (MB)
1206142329	Laboratory Control Sample (LCS)
1206142330	728487003(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
A TDS meter was used to check the samples for approximate concentration prior to analysis. 728769003 (ARK-AP3-PZ-03-TEMP-40) and 728769005 (ARK-AP3-PZ-05-TEMP-39).

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 2

Project # 175569434

GEL Quote #:

COC Number [1]: 1 Sample Cooler(s) 1

PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

728769

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond 3 Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Jacob Ashe Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	*Metals (6020B)	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	<-- Preservative Type (6)	Comments
ARK-AP3-PZ-01-TEMP-37	06-12-25	1040	N	N	WG			3		X	X	X		*Metals: B, Ca, Co
ARK-AP3-PZ-02-TEMP-33	06-12-25	1155	N	N	WG			3		X	X	X		
ARK-AP3-PZ-03-TEMP-40	06-12-25	1125	N	N	WG			3		X	X	X		
ARK-AP3-PZ-04-TEMP-31	06-12-25	1300	N	N	WG			3		X	X	X		
ARK-AP3-PZ-05-TEMP-39	06-12-25	1215	N	N	WG			3		X	X	X		

Comments
Do not report this project to EQuIS

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston Stantec		6/12/2025	1		6/13/25 10:15
2				2		
3				3		

TAT Requested: Normal: X Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 2 of 2
Project # 175569434
GEL Quote #:
COC Number [1]: 1 Sample Cooler(s) 1
PO Number: GPC82177-0005

GEL Laboratories LLC
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: Georgia Power Phone # (937-344-6533)
Project/Site Name: Plant Arkwright Ash Pond _3_ Fax: N/A
Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308
Collected By: Jackson Bankston, Jacob Ashe
Send Results To: jabraham@southernco.com EDD@stantec.com jennifer.kolbe@stantec.com

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI	*Metals (6020B)	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)	<-- Preservative Type (6)	Comments (task_code: ARK-CCR-OTH-20250612)
ARK-ARGWC-17	06-12-25	1335	N	N	WG			3		X	X	X		*Metals: B, Ca, Co

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston	Stantec	6/12/2025	1		6/13/25 1015
2				2		
3				3		

TAT Requested: Normal: X Rush: _____ Specify: _____ (Subject to Surcharge)

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] Level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 728769	GEL PM:
Received By: KE	Date Received at GEL: 06/13/25	

Courier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-24 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
2897 2698 8851	1				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials SH Date 6/16/25

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Page: 1 of 2

Project # 175569434

GEL Quote #:

COC Number (1): 1 Sample Cooler(s) 1

PO Number: GPC82177-0005

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Alaina Pinnick**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

728769

Client Name: Georgia Power Phone # (937-344-6533)

Project/Site Name: Plant Arkwright Ash Pond 3 Fax: N/A

Address: 241 Ralph McGill Blvd SE, Atlanta, GA 30308

Collected By: Jackson Bankston, Jacob Ashe

Send Results To: jabraham@southernco.com EDD@stantec.com
jennifer.kolbe@stantec.com

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI											<-- Preservative Type (6)
									*Metals (6020B)	TDS (SM Method 2540C)	Anions (Cl, Fl, Sulfate) (300.0 Rev. 2.1 1993)									
ARK-AP3-PZ-01-TEMP-37	06-12-25	1040	N	N	WG			3	X	X	X									*Metals: B, Ca, Co
ARK-AP3-PZ-02-TEMP-33	06-12-25	1155	N	N	WG			3	X	X	X									
ARK-AP3-PZ-03-TEMP-40	06-12-25	1125	N	N	WG			3	X	X	X									
ARK-AP3-PZ-04-TEMP-31	06-12-25	1300	N	N	WG			3	X	X	X									
ARK-AP3-PZ-05-TEMP-39	06-12-25	1215	N	N	WG			3	X	X	X									

Comments
Do not report this project to EQuIS

Chain of Custody Signatures

	Relinquished By (Signed)	Print Name	Date	Received by (signed)	Print Name	Date
1	Jackson Bankston Stantec		6/12/2025	1		6/13/25 10:15
2				2		
3				3		

TAT Requested: **Normal:** X **Rush:** _____ **Specify:** _____ **(Subject to Surcharge)**

Fax Results: [ ] Yes [X] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [X] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: Alkalinity: bicarbonate as CaCO3, carbonate as CaCO3, total as CaCO3

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 0 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [X] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **DW**=Drinking Water, **GW**=Groundwater, **SW**=Surface Water, **WW**=Waste Water, **W**=Water, **ML**=Misc Liquid, **SO**=Soil, **SD**=Sediment, **SL**=Sludge, **SS**=Solid Waste, **O**=Oil, **F**=Filter, **P**=Wipe, **U**=Urine, **F**=Fecal, **N**=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns.
(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 728769, 728476	GEL PM:
Received By: KE	Date Received at GEL: 06/13/25	

Courier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-24 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
2897 2698 8881	1				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): ___0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
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11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials SH Date 6/16/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 27 June 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

C.4 Data Quality Evaluation

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed eight data packages from GEL Laboratories (GEL) for the analysis of water samples collected August 21 and 22, 2024, at the Georgia Power Arkwright Plant AP3 site. Samples were collected according to the Field Sampling Plan – Plant Arkwright (Amec Foster Wheeler, 2016).

Analyses requested included:

- SW-846 6020B – Metals, total and dissolved, by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- EPA 353.2 – Nitrate/nitrite as nitrogen
- SM 2320B – Alkalinity, total, bicarbonate, carbonate
- EPA Method 904/ SW846 9320 Modified – Radium 228 by Gas Flow Proportional Counting
- EPA Method 903.1 Mod – Radium 226

Data were reviewed and validated as described in the field sampling plan and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Fifteen (15) groundwater samples, two (2) field blank, two (2) equipment blank, and two (2) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a through 3e summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at temperatures ranging from 0°C to 2.0°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

SDG 682329

- TDS was detected in the blanks ARK-AP3-FB-05 at a concentration below the laboratory Reporting Limit (RL). Associated sample results reported with results less than 10 times the blank concentration have been qualified as estimated with a high bias (J+).

SDG 682332

- Radium 226 was detected in the blank ARK-AP3-FB-04 1.35 (08/21/2024), ARK-AP3-EB-04 0.196 and ARK-AP3-EB-05 0.461 at concentrations above the laboratory RL. No qualification was required for associated sample results reported as not detected. Associated sample results reported with results less than 10 times the blank concentration have been qualified as estimated with a high bias (J+).

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria with the following exception:

SDG 682329

- TDS had a high laboratory duplicate RPD for sample ARK-ARGWC-17. All associated sample results were reported with results greater than 10 times the blank concentration and therefore no qualification was necessary.

Field Precision

Two sets of field duplicate samples were collected for this sampling event (see Table 3a and 3b for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less than two times the RL are also considered acceptable (qualified "A*"). All field duplicate precision was considered acceptable.

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

Amec Foster Wheeler, 2016. Arkwright Field Sampling Plan. October.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
ARK-ARGWA-3	682138001	682138	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWA-12	682138002	682138	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWA-24	682138003	682138	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWA-3	682143001	682143	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWA-12	682143002	682143	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWA-24	682143003	682143	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWA-14	682324001	682324	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/22/2024
ARK-ARGWA-14	682325001	682325	903.1, 904	8/22/2024
ARK-ARGWA-14	682326001	682326	6020B (D) (Mg, Fe)	8/22/2024
ARK-ARGWA-5	682329001	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWA-13	682329002	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWC-7	682329003	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWC-8	682329004	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWC-9	682329005	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWC-10	682329006	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWC-15	682329007	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWC-16	682329008	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWC-17	682329009	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWC-18	682329010	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024

Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
ARK-ARAMW-4	682329011	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-AP3-EB-04	682329012	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-AP3-FD-04	682329013	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-AP3-FB-04	682329014	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-AP3-EB-05	682329015	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-AP3-FD-05	682329016	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-AP3-FB-05	682329017	682329	6020B, 7470A, 300, 2540C, 353.2, 2320B	8/21/2024
ARK-ARGWA-5	682332001	682332	903.1, 904	8/21/2024
ARK-ARGWA-13	682332002	682332	903.1, 904	8/21/2024
ARK-ARGWC-7	682332003	682332	903.1, 904	8/21/2024
ARK-ARGWC-8	682332004	682332	903.1, 904	8/21/2024
ARK-ARGWC-9	682332005	682332	903.1, 904	8/21/2024
ARK-ARGWC-10	682332006	682332	903.1, 904	8/21/2024
ARK-ARGWC-15	682332007	682332	903.1, 904	8/21/2024
ARK-ARGWC-16	682332008	682332	903.1, 904	8/21/2024
ARK-ARGWC-17	682332009	682332	903.1, 904	8/21/2024
ARK-ARGWC-18	682332010	682332	903.1, 904	8/21/2024
ARK-ARAMW-4	682332011	682332	903.1, 904	8/21/2024
ARK-AP3-EB-04	682332012	682332	903.1, 904	8/21/2024
ARK-AP3-FD-04	682332013	682332	903.1, 904	8/21/2024
ARK-AP3-FB-04	682332014	682332	903.1, 904	8/21/2024
ARK-AP3-EB-05	682332015	682332	903.1, 904	8/21/2024
ARK-AP3-FD-05	682332016	682332	903.1, 904	8/21/2024
ARK-AP3-FB-05	682332017	682332	903.1, 904	8/21/2024
ARK-ARGWA-5	682333001	682333	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWA-13	682333002	682333	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWC-7	682333003	682333	6020B (D) (Mg, Fe)	8/21/2024

Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
ARK-ARGWC-8	682333004	682333	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWC-9	682333005	682333	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWC-10	682333006	682333	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWC-15	682333007	682333	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWC-16	682333008	682333	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWC-17	682333009	682333	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARGWC-18	682333010	682333	6020B (D) (Mg, Fe)	8/21/2024
ARK-ARAMW-4	682333011	682333	6020B (D) (Mg, Fe)	8/21/2024

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification / Code	Reason for Qualification
ARK-ARGWA-3	TDS	J+ / BFH	Detected in FB
ARK-ARGWC-9	TDS	J+ / BFH	Detected in FB
ARK-AP3-FD-05	TDS	J+ / BFH	Detected in FB
ARK-ARGWA-5	Radium 226	J+ / BFH	Detected in EB
ARK-ARGWA-13	Radium 226	J+ / BFH	Detected in EB
ARK-ARGWC-7	Radium 226	J+ / BFH	Detected in EB
ARK-ARGWC-8	Radium 226	J+ / BFH	Detected in EB
ARK-ARGWC-10	Radium 226	J+ / BFH	Detected in EB
ARK-ARGWC-15	Radium 226	J+ / BFH	Detected in EB
ARK-ARGWC-16	Radium 226	J+ / BFH	Detected in EB
ARK-ARGWC-17	Radium 226	J+ / BFH	Detected in EB
ARK-ARGWC-17	TDS	J / LD1	High Lab Duplicate RPD

BFH – Blank Field High – detected in the field blank (FB) above the RL
J – estimated result
J+ – estimated data with a high bias
LD1 – lab duplicate RPD exceeded lab limits

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD[a]	Qualified
ARK-ARGWC-16 / ARK-AP3-FD-04	Chloride	5.71	5.76	0.9%	A
	Sulfate	350	366	<5*RL, <2*RL	A*
	Boron	0.449	0.467	<5*RL, <2*RL	A*
	Barium	0.0349	0.035	0.3%	A
	Aluminum	0.0246 J	NA	NC	None
	Calcium	69.9	71.5	2.3%	A
	Magnesium	48.3	NA	NC	None
	Manganese (D)	0.308	NA	NC	None
	Manganese	0.315	NA	NC	None
	Selenium	0.00497 J	0.00456 J	<5*RL, <2*RL	A*
	Sodium	17.2	NA	NC	None
	Potassium	4.24	NA	NC	None
	Nitrate/nitrite	0.549	0.547	0.4%	A
	TDS	601	600	0.2%	A
	Total Alkalinity	10.0	NA	NC	None
	Bicarbonate	10.0	NA	NC	None
	Radium 226	0.769	0.351 U	<5*RL, <2*RL	A*

[a] RPD = ((SR - DR)*200)/(SR + DR)
A - Acceptable Data.
A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.
D - dissolved
J – Estimated detected.
NA – not analyzed
NC – not calculated

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD[a]	Qualified
ARK-ARGWC-9/ ARK-AP3-FD-05	Chloride	4.93	4.98	1.0%	A
	Fluoride	0.0405 J	0.039 J	<5*RL, <2*RL	A*
	Sulfate	1.42	1.43	<5*RL, <2*RL	A*
	Boron	0.00660 J	0.00696 J	<5*RL, <2*RL	A*
	Barium	0.0363	0.0322	0.2%	A
	Aluminum	0.331	NA	NC	None
	Calcium	4.65	4.36	6.4%	A
	Chromium	0.00727 J	0.00673 J	<5*RL, <2*RL	A*
	Iron	0.226	NA	NC	None
	Magnesium	2.10	NA	NC	None
	Manganese	0.00683	NA	NC	None
	Sodium	6.57	NA	NC	None
	Potassium	1.71	NA	NC	None
	Nitrate/nitrite	0.694	0.696	0.3%	A
	TDS	74.0	76.0	2.7%	A
	Total Alkalinity	25.1	NA	NC	None
	Bicarbonate	25.1	NA	NC	None
	Radium 226	0.503 U	0.465	<5*RL, <2*RL	A*

[a] RPD = ((SR - DR)*200)/(SR + DR)
A - Acceptable Data.
A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.
D - dissolved
J – Estimated detected.
NA – not analyzed
NC – not calculated

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed six data packages from GEL Laboratories (GEL) for the analysis of water samples collected February 5 and 13, 2025, at the Georgia Power Arkwright Plant AP3 site. Samples were collected according to the Field Sampling Plan – Plant Arkwright (Amec Foster Wheeler, 2016).

Analyses requested included:

- SW-846 6020B – Metals, total and dissolved, by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- EPA 353.2 – Nitrate/nitrite as nitrogen
- SM 2320B – Alkalinity, total, bicarbonate, carbonate
- EPA Method 904/ SW846 9320 Modified – Radium 228 by Gas Flow Proportional Counting
- EPA Method 903.1 Mod – Radium 226

Data were reviewed and validated as described in the field sampling plan and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Fifteen (15) groundwater samples, two (2) field blanks, two (2) equipment blanks, and two (2) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a through 3e summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at temperatures ranging from 0°C to 2.0°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria with the following exception:

Field Precision

Two sets of field duplicate samples were collected for this sampling event (see Table 3a and 3b for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less than two times the RL are also considered acceptable (qualified "A*"). All field duplicate precision was considered acceptable.

SDG 707717

- TDS had a high field duplicate RPD for the pair ARK-ARGWA-12 / ARK-AP3-FD-06. Both TDS results have been qualified as estimated.

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

Amec Foster Wheeler, 2016. Arkwright Field Sampling Plan. October.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
ARK-ARGWA-3	707717001	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 09:40
ARK-ARGWA-5	707717002	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 12:15
ARK-ARGWA-12	707717003	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 10:25
ARK-ARGWA-13	707717004	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 11:05
ARK-ARGWA-14	707717005	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 07:45
ARK-ARGWA-24	707717006	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 11:40
ARK-ARGWC-7	707717007	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 17:15
ARK-ARGWC-8	707717008	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 13:15
ARK-ARGWC-9	707717009	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 13:55
ARK-ARGWC-10	707717010	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 15:30
ARK-ARGWC-16	707717011	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 14:55
ARK-ARGWC-17	707717012	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 17:30
ARK-ARGWC-18	707717013	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 15:45
ARK-ARAMW-4	707717014	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 15:35
ARK-AP3-EB-05	707717015	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 14:40
ARK-AP3-EB-06	707717016	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 10:00
ARK-AP3-FD-05	707717017	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 15:45
ARK-AP3-FD-06	707717018	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 15:35
ARK-AP3-FB-05	707717019	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 14:40
ARK-AP3-FB-06	707717020	707717	6020B, 7470A, 300, 2540C, 2320B	02/05/25 10:00
ARK-ARGWA-3	707718001	707718	903.1, 904	02/05/25 09:40
ARK-ARGWA-5	707718002	707718	903.1, 904	02/05/25 12:15
ARK-ARGWA-12	707718003	707718	903.1, 904	02/05/25 10:25
ARK-ARGWA-13	707718004	707718	903.1, 904	02/05/25 11:05
ARK-ARGWA-14	707718005	707718	903.1, 904	02/05/25 07:45
ARK-ARGWA-24	707718006	707718	903.1, 904	02/05/25 11:40

Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
ARK-ARGWC-7	707718007	707718	903.1, 904	02/05/25 17:15
ARK-ARGWC-8	707718008	707718	903.1, 904	02/05/25 13:15
ARK-ARGWC-9	707718009	707718	903.1, 904	02/05/25 13:55
ARK-ARGWC-10	707718010	707718	903.1, 904	02/05/25 15:30
ARK-ARGWC-16	707718011	707718	903.1, 904	02/05/25 14:55
ARK-ARGWC-17	707718012	707718	903.1, 904	02/05/25 17:30
ARK-ARGWC-18	707718013	707718	903.1, 904	02/05/25 15:45
ARK-ARAMW-4	707718014	707718	903.1, 904	02/05/25 15:35
ARK-AP3-EB-05	707718015	707718	903.1, 904	02/05/25 14:40
ARK-AP3-EB-06	707718016	707718	903.1, 904	02/05/25 10:00
ARK-AP3-FD-05	707718017	707718	903.1, 904	02/05/25 15:45
ARK-AP3-FD-06	707718018	707718	903.1, 904	02/05/25 15:35
ARK-AP3-FB-05	707718019	707718	903.1, 904	02/05/25 14:40
ARK-AP3-FB-06	707718020	707718	903.1, 904	02/05/25 10:00
ARK-ARGWA-3	707719001	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 09:40
ARK-ARGWA-5	707719002	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 12:15
ARK-ARGWA-12	707719003	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 10:25
ARK-ARGWA-13	707719004	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 11:05
ARK-ARGWA-14	707719005	707719	7470A, 6020B (D) (Full list)	02/05/25 07:45
ARK-ARGWA-24	707719006	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 11:40
ARK-ARGWC-7	707719007	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 17:15
ARK-ARGWC-8	707719008	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 13:15
ARK-ARGWC-9	707719009	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 13:55
ARK-ARGWC-10	707719010	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 15:30
ARK-ARGWC-16	707719011	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 14:55
ARK-ARGWC-17	707719012	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 17:30
ARK-ARGWC-18	707719013	707719	7470A, 6020B (D) (Full list)	02/05/25 15:45
ARK-ARAMW-4	707719014	707719	7470A, 6020B (D) (Fe&Mn)	02/05/25 15:35
ARK-ARGWC-15	708970001	708970	6020B, 7470A, 300, 2540C,	02/13/25 12:55

Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
			2320B	
ARK-ARGWC-15	708972001	708972	903.1, 904	02/13/25 12:55
ARK-ARGWC-15	708973001	708973	7470A, 6020B (D) (Full list)	02/13/25 12:55

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification / Code	Reason for Qualification
ARK-ARGWA-12	TDS	J / FD1	High FD RPD
ARK-AP3-FD-06	TDS	J / FD1	High FD RPD

J – estimated result
FD1 – field duplicate RPD exceeded lab limits
RPD – relative percent difference

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD[a]	Qualified
ARK-ARGWC-8 / ARK-AP3-FD-05	Chloride	5.28	5.55	5.0%	A
	Sulfate	61.7	59.7	3.3%	A
	Fluoride	0.212	0.13	<5*RL, <2*RL	A*
	Boron	0.913	0.904	1.0%	A
	Barium	0.0601 J	0.061 J	<5*RL, <2*RL	A*
	Aluminum	0.0547	0.0642	<5*RL, <2*RL	A*
	Calcium	44.3	45.1	1.8%	A
	Iron	0.062 J	0.0707 J	<5*RL, <2*RL	A*
	Lithium	0.00367 J	0.00388 J	<5*RL, <2*RL	A*
	Magnesium	19.2	19.3	0.5%	A
	Manganese	0.341	0.338	0.9%	A
	Molybdenum	0.0394 J	0.0403 J	<5*RL, <2*RL	A*
	Sodium	13.3	13.4	0.7%	A
	Potassium	1.74	1.75	0.6%	A
	TDS	214	252	16.3%	A
	Total Alkalinity	159	NA	NC	None
	Bicarbonate	159	NA	NC	None
	Radium 226	1.09	1.08	<5*RL, <2*RL	A*

[a] RPD = ((SR - DR)*200)/(SR + DR)
A - Acceptable Data.
A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.
D - dissolved
J – Estimated detected.
NA – not analyzed
NC – not calculated

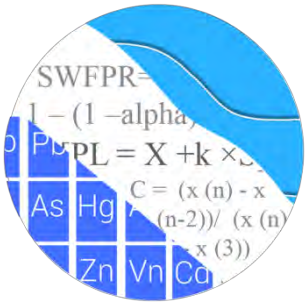
Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD[a]	Qualified
ARK-ARGWA-12/ ARK-AP3-FD-06	Chloride	10.1	10.5	3.9%	A
	Fluoride	0.0337 J	0.0351 J	<5*RL, <2*RL	A*
	Sulfate	6.0	6.19	3.1%	A
	Boron	0.0165	0.0227	<5*RL, <2*RL	A*
	Barium	0.0644 J	0.0629 J	<5*RL, <2*RL	A*
	Aluminum	0.08	0.099	<5*RL, <2*RL	A*
	Calcium	11.8	11.5	2.6%	A
	Cobalt	0.000989 J	0.000993 J	<5*RL, <2*RL	A*
	Iron	0.141	0.122	14.4%	A
	Lithium	0.00415 J	0.00384 J	<5*RL, <2*RL	A*
	Magnesium	7.51	7.44	0.9%	A
	Manganese	0.00411 J	0.00405 J	<5*RL, <2*RL	A*
	Mercury	0.000067 U	0.000188 J	<5*RL, <2*RL	A*
	Molybdenum	0.000247 J	0.000269 J	<5*RL, <2*RL	A*
	Sodium	12.1	12.2	0.8%	A
	Potassium	1.66	1.61	3.1%	A
	TDS	90	117	26.1%	J
	Total Alkalinity	53.8	NA	NC	None
	Bicarbonate	53.8	NA	NC	None
	Radium 226	0.746	0.331	<5*RL, <2*RL	A*

[a] RPD = ((SR - DR)*200)/(SR + DR)
A - Acceptable Data.
A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.
D - dissolved
J – Estimated detected.
NA – not analyzed
NC – not calculated

Appendix D
Statistical Analyses

GROUNDWATER STATS CONSULTING



February 28, 2025

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Arkwright #3 Ash Pond
August 2024 Semi-Annual Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the August 2024 Semi-Annual Groundwater statistical analysis of data for Georgia Power Company's Plant Arkwright #3 Ash Pond. The analysis complies with the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's Coal Combustion Residuals (CCR) Appendix III and IV parameters in addition to Appendix I parameters in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** ARGWA-3, ARGWA-5, ARGWA-12, ARGWA-13, ARGWA-14, and ARGWA-24
- **Downgradient wells:** ARGWC-7, ARGWC-8, ARGWC-9, ARGWC-10, ARGWC-15, ARGWC-16, ARGWC-17, and ARGWC-18
- **Assessment well:** ARAMW-4

Data from assessment wells are plotted on time series and box plots, and are analyzed with confidence intervals for Appendix I and IV constituents when a minimum of 4 samples are available.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The CCR and Georgia EPD programs monitor the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

- **Georgia EPD Appendix I:** arsenic, barium, cadmium, lead, selenium, and silver
- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **CCR Appendix IV:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lithium, lead, mercury, molybdenum, selenium, and thallium

Data for Appendix III constituents were analyzed using prediction limits; data for Appendix I constituents were analyzed using prediction limits and confidence intervals; and data for Appendix IV were analyzed using confidence intervals. Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. Summaries of well/constituent pairs containing 100% non-detects since 2005 for Appendix I constituents at downgradient wells and since 2016 for Appendix I and IV constituents at downgradient and assessment wells follow this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Based on the previous screening, described below, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the previous screening to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia EPD Rules for Solid Waste Management

Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

Georgia EPD Appendix I Constituents:

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan (all parameters)
- # Constituents: 6
- # Downgradient wells: 8

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan (all parameters)
- # Constituents: 7
- # Downgradient wells: 8

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals, as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with parametric limits is based on an annual 10% (5% per semi-annual event) as recommend by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009).

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.

- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after screening for any new outliers. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Summary of Background Screening - Conducted in 2019

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. Several values were flagged as outliers as a result of the Tukey's tests. In some cases, high values not identified by this test were flagged as outliers so that resulting prediction limits will be lower and capable of detecting future changes at these wells. Outliers were flagged in downgradient wells, though there are no intrawell statistical analyses in the current report. For the analysis of the Appendix IV constituents, this improves the estimate of downgradient confidence intervals.

A summary of flagged values is included in Figure C. When the most recent values are identified as outliers in upgradient wells, those values are not flagged in the database at that time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend in an upgradient well. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits, when non-detects are replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) are sometimes flagged as outliers if they are much higher than current reporting limits.

Additionally, when any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Testing

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

Several statistically significant increasing and decreasing trends were noted for constituents in both upgradient and downgradient wells, and the results of these trend tests were included with the previous screening. Although data since 2014 for selenium at upgradient well ARGWA-13 have consistently been detections above the reporting limit while earlier data are primarily non-detect values, the measurements across the record represent spatial variability in groundwater quality upgradient of the facility. Therefore, all concentrations for this well/constituent pair are used in constructing statistical limits.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified significant differences among upgradient well data for several constituents. While data were further tested for intrawell eligibility during the screening, interwell methods are used for all Appendix I and Appendix III constituents in accordance with Georgia EPD requirements.

Prediction Limit Analysis of Appendix I & III Parameters – August 2024

All Appendix I and III parameters were analyzed using interwell prediction limits. Upgradient well data were reassessed using time series for potential outliers during this analysis. No additional values were flagged and a summary of flagged outliers follows this report (Figure C).

Appendix I & III Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through August 2024 for Appendix I and III constituents (Figures D & E, respectively). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The August 2024 sample from each downgradient well is compared to the background limits to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false

positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. Summary tables, along with complete results of the interwell prediction limits for Appendix I and III constituents, follow this letter. No exceedances were noted for the Appendix I constituents. The following exceedances were identified for the Appendix III constituents:

- Boron: ARGWC-18
- pH (lower limit): ARGWC-16 and ARGWC-17

Note that the interwell limit for sulfate is high relative to concentrations in downgradient wells and is a result of the reported concentrations in upgradient well ARGWA-13 which reflect spatial variation in groundwater quality at the site. Since this limit will not be sensitive to changes in sulfate concentrations in downgradient wells, trend tests were performed as a secondary measure to identify whether concentrations are changing over time at each well. The results are discussed below in the trend test section.

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level (Figure F). Upgradient well data are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of variability in groundwater quality unrelated to practices at the site.

Additionally, trend tests for sulfate were included to monitor concentrations at each well. Note that samples for sulfate were collected prior to 2016 and all data were evaluated in the trend analyses. Both a summary table and graphical display of trend tests results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing trends:

- Boron: ARGWA-13 (upgradient)
- Sulfate: ARGWA-13 (upgradient), ARGWC-9, and ARGWC-16

Decreasing trends:

- Boron: ARGWA-24 (upgradient)
- pH: ARGWC-17
- Sulfate: ARGWA-14 (upgradient), ARGWC-7, and ARGWC-8

Confidence Interval Analysis of Appendix I & IV Parameters – August 2024

For Appendix I and IV parameters, confidence intervals for each downgradient and assessment well/constituent pair were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Downgradient and assessment well/constituent pairs that contain 100% non-detects since 2016 do not require analysis. Data from upgradient wells for Appendix I and IV parameters are reassessed for outliers during each analysis. No additional outliers were flagged during this analysis and a summary of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through August 2024 for Appendix I and IV constituents (Figure G). Parametric tolerance limits are used when data follow a normal or transformed-normal distribution. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, nonparametric tolerance limits were used.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix I and IV constituents for this sample event (Figure H).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed when a minimum of 4 samples was available using data from June 2016 through August 2024 for each of the Appendix I and IV constituents in accordance with the state requirements in each downgradient and assessment well (Figure I). The Sanitas software was used to calculate the confidence intervals, either parametric or nonparametric, depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the appropriate order statistics, depending on the sample size, as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The achievable confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. In the event of a confidence interval exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. A summary of the confidence intervals follows this letter and an exceedance was identified for the following well/constituent pair:

- Cobalt: ARGWC-17

While the confidence interval for thallium at assessment well ARAMW-4 indicates an exceedance, this is a result of the Sanitas™ statistical software identifying exceedances when the lower limit is equal to or greater than the established GWPS. No detections are present above the reporting limit of 0.002 mg/L in this record and the lower limit was equal to the MCL of 0.002 mg/L; therefore, no SSL is identified

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure J). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend

analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. A statistically significant increasing trend was identified for the following well/constituent pair:

- Cobalt: ARGWC-17

Although no SSL is recorded for thallium at ARAMW-4, trend tests were also included for thallium at assessment well ARAMW-4 along with the upgradient wells to further demonstrate no trends (all with a slope of 0) are present for this constituent.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Arkwright #3 Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Easton Rayner
Groundwater Analyst

Andrew Collins
Project Manager

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100% Non-Detects: Appendix I & IV Downgradient and Assessment

Analysis Run 10/3/2024 11:45 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Antimony (mg/L)
ARAMW-4, ARGWC-15, ARGWC-16, ARGWC-17, ARGWC-18, ARGWC-8

Beryllium (mg/L)
ARAMW-4, ARGWC-10, ARGWC-15

Cadmium (mg/L)
ARGWC-10, ARGWC-15, ARGWC-18, ARGWC-7, ARGWC-8, ARGWC-9

Chromium (mg/L)
ARAMW-4, ARGWC-18

Lead (mg/L)
ARAMW-4, ARGWC-7

Mercury (mg/L)
ARAMW-4, ARGWC-17, ARGWC-9

Molybdenum (mg/L)
ARGWC-10, ARGWC-16, ARGWC-17, ARGWC-7, ARGWC-9

Selenium (mg/L)
ARGWC-18, ARGWC-8

Silver (mg/L)
ARAMW-4, ARGWC-10, ARGWC-17, ARGWC-18, ARGWC-7, ARGWC-8, ARGWC-9

Thallium (mg/L)
ARGWC-10, ARGWC-7, ARGWC-8, ARGWC-9

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100% Non-Detects: Appendix I Downgradient

Analysis Run 10/3/2024 11:15 AM View: Appendix I
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Cadmium (mg/L)
ARGWC-10, ARGWC-18, ARGWC-7, ARGWC-8, ARGWC-9

Silver (mg/L)
ARGWC-8

Appendix I Interwell Prediction Limits - All Results (No Significant)

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	ARGWC-10	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-15	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-16	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-17	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-18	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-7	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-8	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-9	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Barium (mg/L)	ARGWC-10	0.24	n/a	8/21/2024	0.0328	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-15	0.24	n/a	8/21/2024	0.039	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-16	0.24	n/a	8/21/2024	0.0349	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-17	0.24	n/a	8/21/2024	0.048	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-18	0.24	n/a	8/21/2024	0.0355	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-7	0.24	n/a	8/21/2024	0.0473	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-8	0.24	n/a	8/21/2024	0.0585	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-9	0.24	n/a	8/21/2024	0.0363	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Cadmium (mg/L)	ARGWC-15	0.0043	n/a	8/21/2024	0.001ND	No	227	n/a	n/a	95.15	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	ARGWC-16	0.0043	n/a	8/21/2024	0.001ND	No	227	n/a	n/a	95.15	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	ARGWC-17	0.0043	n/a	8/21/2024	0.001ND	No	227	n/a	n/a	95.15	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-10	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-15	0.013	n/a	8/21/2024	0.000948J	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-16	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-17	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-18	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-7	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-8	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-9	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-10	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-15	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-16	0.034	n/a	8/21/2024	0.00497J	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-17	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-18	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-7	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-8	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-9	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-10	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-15	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-16	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-17	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-18	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-7	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-9	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:22 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**ARGWC-18**	**1.11**	**n/a**	**8/21/2024**	**2.47**	**Yes**	**114**	**n/a**	**n/a**	**42.98**	**n/a**	**n/a**	**0.0001522**	**NP Inter (normality) 1 of 2**
pH (SU)	**ARGWC-16**	**7.04**	**5.53**	**8/21/2024**	**5.24**	**Yes**	**123**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.000259**	**NP Inter (normality) 1 of 2**
pH (SU)	**ARGWC-17**	**7.04**	**5.53**	**8/21/2024**	**5.15**	**Yes**	**123**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.000259**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:22 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	ARGWC-10	1.11	n/a	8/21/2024	0.00605J	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-15	1.11	n/a	8/21/2024	0.0103J	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-16	1.11	n/a	8/21/2024	0.449	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-17	1.11	n/a	8/21/2024	0.0575	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	**ARGWC-18**	**1.11**	**n/a**	**8/21/2024**	**2.47**	**Yes**	**114**	**n/a**	**n/a**	**42.98**	**n/a**	**n/a**	**0.0001522**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	ARGWC-7	1.11	n/a	8/21/2024	0.0724	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-8	1.11	n/a	8/21/2024	0.877	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-9	1.11	n/a	8/21/2024	0.0066J	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-10	190	n/a	8/21/2024	7.87	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-15	190	n/a	8/21/2024	26.1	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-16	190	n/a	8/21/2024	69.9	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-17	190	n/a	8/21/2024	24.2	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-18	190	n/a	8/21/2024	48.9	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-7	190	n/a	8/21/2024	8.99	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-8	190	n/a	8/21/2024	43.4	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-9	190	n/a	8/21/2024	4.65	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-10	17	n/a	8/21/2024	3.99	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-15	17	n/a	8/21/2024	2.55	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-16	17	n/a	8/21/2024	5.71	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-17	17	n/a	8/21/2024	2.76	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-18	17	n/a	8/21/2024	6.72	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-7	17	n/a	8/21/2024	4.45	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-8	17	n/a	8/21/2024	5.59	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-9	17	n/a	8/21/2024	4.93	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-10	0.53	n/a	8/21/2024	0.063J	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-15	0.53	n/a	8/21/2024	0.0719J	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-16	0.53	n/a	8/21/2024	0.1ND	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-17	0.53	n/a	8/21/2024	0.1ND	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-18	0.53	n/a	8/21/2024	0.0683J	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-7	0.53	n/a	8/21/2024	0.1ND	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-8	0.53	n/a	8/21/2024	0.139	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-9	0.53	n/a	8/21/2024	0.0405J	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
pH (SU)	ARGWC-10	7.04	5.53	8/21/2024	5.96	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
pH (SU)	ARGWC-15	7.04	5.53	8/21/2024	6.26	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
pH (SU)	**ARGWC-16**	**7.04**	**5.53**	**8/21/2024**	**5.24**	**Yes**	**123**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.000259**	**NP Inter (normality) 1 of 2**
pH (SU)	**ARGWC-17**	**7.04**	**5.53**	**8/21/2024**	**5.15**	**Yes**	**123**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.000259**	**NP Inter (normality) 1 of 2**
pH (SU)	ARGWC-18	7.04	5.53	8/21/2024	6	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
pH (SU)	ARGWC-7	7.04	5.53	8/21/2024	5.74	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
pH (SU)	ARGWC-8	7.04	5.53	8/21/2024	6.51	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
pH (SU)	ARGWC-9	7.04	5.53	8/21/2024	5.97	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-10	950	n/a	8/21/2024	0.492	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-15	950	n/a	8/21/2024	4.47	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-16	950	n/a	8/21/2024	350	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-17	950	n/a	8/21/2024	143	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-18	950	n/a	8/21/2024	199	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-7	950	n/a	8/21/2024	32.1	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-8	950	n/a	8/21/2024	48.7	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-9	950	n/a	8/21/2024	1.42	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-10	1500	n/a	8/21/2024	90	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-15	1500	n/a	8/21/2024	168	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-16	1500	n/a	8/21/2024	601	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-17	1500	n/a	8/21/2024	235	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-18	1500	n/a	8/21/2024	460	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-7	1500	n/a	8/21/2024	119	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-8	1500	n/a	8/21/2024	266	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-9	1500	n/a	8/21/2024	74	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**ARGWA-13 (bg)**	**0.08897**	**129**	**87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**ARGWA-24 (bg)**	**-0.02099**	**-28**	**-25**	**Yes**	**9**	**44.44**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**ARGWC-17**	**-0.04639**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-13 (bg)**	**47.51**	**333**	**191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-14 (bg)**	**-13.08**	**-389**	**-176**	**Yes**	**34**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-16**	**14.92**	**406**	**191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-7**	**-6.016**	**-7.905**	**-2.58**	**Yes**	**43**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-8**	**-4.099**	**-568**	**-191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-9**	**0.0742**	**330**	**184**	**Yes**	**35**	**5.714**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	ARGWA-12 (bg)	0	-31	-87	No	21	42.86	n/a	n/a	0.01	NP
Boron (mg/L)	**ARGWA-13 (bg)**	**0.08897**	**129**	**87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	ARGWA-14 (bg)	0	0	87	No	21	19.05	n/a	n/a	0.01	NP
Boron (mg/L)	**ARGWA-24 (bg)**	**-0.02099**	**-28**	**-25**	**Yes**	**9**	**44.44**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	ARGWA-3 (bg)	0	-32	-87	No	21	80.95	n/a	n/a	0.01	NP
Boron (mg/L)	ARGWA-5 (bg)	0	-63	-87	No	21	71.43	n/a	n/a	0.01	NP
Boron (mg/L)	ARGWC-18	0.02549	53	87	No	21	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-12 (bg)	-0.008528	-31	-92	No	22	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-13 (bg)	0.00465	20	92	No	22	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-14 (bg)	-0.01103	-12	-92	No	22	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-24 (bg)	-0.03536	-9	-25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-3 (bg)	0.01186	42	105	No	24	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-5 (bg)	-0.01483	-42	-105	No	24	0	n/a	n/a	0.01	NP
pH (SU)	ARGWC-16	-0.01266	-64	-105	No	24	0	n/a	n/a	0.01	NP
pH (SU)	**ARGWC-17**	**-0.04639**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWA-12 (bg)	-0.1446	-104	-191	No	36	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**ARGWA-13 (bg)**	**47.51**	**333**	**191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-14 (bg)**	**-13.08**	**-389**	**-176**	**Yes**	**34**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWA-24 (bg)	-0.6184	-25	-25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWA-3 (bg)	0	-1.043	-2.58	No	57	31.58	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWA-5 (bg)	0	-0.6407	-2.58	No	58	31.03	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWC-10	0.001843	128	191	No	36	41.67	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWC-15	0.06364	55	191	No	36	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**ARGWC-16**	**14.92**	**406**	**191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWC-17	-1.043	-48	-176	No	34	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWC-18	0.7115	139	191	No	36	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**ARGWC-7**	**-6.016**	**-7.905**	**-2.58**	**Yes**	**43**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-8**	**-4.099**	**-568**	**-191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-9**	**0.0742**	**330**	**184**	**Yes**	**35**	**5.714**	**n/a**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:37 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	104	96.15	n/a	0.004822	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00593	n/a	n/a	n/a	235	82.13	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	n/a	0.24	n/a	n/a	n/a	232	0	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	114	97.37	n/a	0.002887	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0043	n/a	n/a	n/a	227	95.15	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0139	n/a	n/a	n/a	114	68.42	n/a	0.002887	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0058	n/a	n/a	n/a	119	81.51	n/a	0.002234	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	4.25	n/a	n/a	n/a	114	2.632	n/a	0.002887	NP Inter(normality)
Fluoride (mg/L)	n/a	0.53	n/a	n/a	n/a	124	27.42	n/a	0.001729	NP Inter(normality)
Lead (mg/L)	n/a	0.013	n/a	n/a	n/a	233	90.56	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	n/a	0.01	n/a	n/a	n/a	118	48.31	n/a	0.002352	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	99	96.97	n/a	0.006232	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.004	n/a	n/a	n/a	119	83.19	n/a	0.002234	NP Inter(NDs)
Selenium (mg/L)	n/a	0.034	n/a	n/a	n/a	235	82.55	n/a	NaN	NP Inter(NDs)
Silver (mg/L)	n/a	0.0051	n/a	n/a	n/a	203	95.07	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	n/a	0.002	n/a	n/a	n/a	114	93.86	n/a	0.002887	NP Inter(NDs)

PLANT ARKWRIGHT AP #3 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified Level**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.006	0.01
Barium, Total (mg/L)	2		0.24	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0043	0.005
Chromium, Total (mg/L)	0.1		0.014	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0058	0.006
Combined Radium, Total (pCi/L)	5		4.25	5
Fluoride, Total (mg/L)	4		0.53	4
Lead, Total (mg/L)	n/a	0.015	0.013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.01	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.004	0.1
Selenium, Total (mg/L)	0.05		0.034	0.05
Silver, Total (mg/L)	n/a		0.0051	0.0051
Thallium, Total (mg/L)	0.002		0.002	0.002

**MCL = Maximum Contaminant Level*

**GWPS = Groundwater Protection Standard*

**CCR = Coal Combustion Residuals*

Confidence Interval - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:52 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	**ARGWC-17**	**0.03319**	**0.02124**	**0.006**	**Yes**	**22**	**0**	**sqrt(x)**	**0.01**	**Param.**
Thallium (mg/L)	**ARAMW-4**	**0.002**	**0.002**	**0.002**	**Yes**	**10**	**90**	**No**	**0.011**	**NP (NDs)**

Confidence Interval - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:52 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	ARGWC-10	0.003	0.00094	0.006	n/a	No	19	94.74	No	0.01	NP (NDs)
Antimony (mg/L)	ARGWC-7	0.003	0.0013	0.006	n/a	No	19	94.74	No	0.01	NP (NDs)
Antimony (mg/L)	ARGWC-9	0.003	0.00048	0.006	n/a	No	19	94.74	No	0.01	NP (NDs)
Arsenic (mg/L)	ARAMW-4	0.005	0.00035	0.01	n/a	No	10	40	No	0.011	NP (normality)
Arsenic (mg/L)	ARGWC-10	0.005	0.0019	0.01	n/a	No	23	86.96	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-15	0.005	0.0024	0.01	n/a	No	23	86.96	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-16	0.005	0.00431	0.01	n/a	No	23	78.26	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-17	0.005	0.0015	0.01	n/a	No	23	73.91	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-18	0.005	0.0016	0.01	n/a	No	23	82.61	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-7	0.005	0.0048	0.01	n/a	No	23	86.96	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-8	0.005	0.00337	0.01	n/a	No	23	78.26	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-9	0.005	0.00457	0.01	n/a	No	23	86.96	No	0.01	NP (NDs)
Barium (mg/L)	ARAMW-4	0.04617	0.03298	2	n/a	No	10	0	sqrt(x)	0.01	Param.
Barium (mg/L)	ARGWC-10	0.03384	0.03116	2	n/a	No	23	0	No	0.01	Param.
Barium (mg/L)	ARGWC-15	0.037	0.029	2	n/a	No	23	0	No	0.01	NP (normality)
Barium (mg/L)	ARGWC-16	0.05164	0.04344	2	n/a	No	23	0	No	0.01	Param.
Barium (mg/L)	ARGWC-17	0.0566	0.04608	2	n/a	No	23	0	x^(1/3)	0.01	Param.
Barium (mg/L)	ARGWC-18	0.04001	0.03625	2	n/a	No	23	0	No	0.01	Param.
Barium (mg/L)	ARGWC-7	0.04567	0.03786	2	n/a	No	23	0	No	0.01	Param.
Barium (mg/L)	ARGWC-8	0.05342	0.04603	2	n/a	No	23	0	No	0.01	Param.
Barium (mg/L)	ARGWC-9	0.04615	0.04128	2	n/a	No	23	0	No	0.01	Param.
Beryllium (mg/L)	ARGWC-16	0.0005	0.00027	0.004	n/a	No	21	95.24	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-17	0.0025	0.000344	0.004	n/a	No	21	33.33	No	0.01	NP (normality)
Beryllium (mg/L)	ARGWC-18	0.0005	0.00034	0.004	n/a	No	21	95.24	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-7	0.0005	0.00041	0.004	n/a	No	21	90.48	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-8	0.0005	0.00047	0.004	n/a	No	21	95.24	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-9	0.0005	0.00037	0.004	n/a	No	21	95.24	No	0.01	NP (NDs)
Cadmium (mg/L)	ARAMW-4	0.001	0.00023	0.005	n/a	No	9	77.78	No	0.002	NP (NDs)
Cadmium (mg/L)	ARGWC-16	0.001	0.0001	0.005	n/a	No	22	95.45	No	0.01	NP (NDs)
Cadmium (mg/L)	ARGWC-17	0.001	0.000445	0.005	n/a	No	22	77.27	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-10	0.005351	0.004605	0.1	n/a	No	21	0	sqrt(x)	0.01	Param.
Chromium (mg/L)	ARGWC-15	0.01	0.0087	0.1	n/a	No	21	85.71	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-16	0.0027	0.0017	0.1	n/a	No	21	23.81	No	0.01	NP (normality)
Chromium (mg/L)	ARGWC-17	0.01	0.0021	0.1	n/a	No	21	85.71	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-7	0.00384	0.003185	0.1	n/a	No	21	4.762	No	0.01	Param.
Chromium (mg/L)	ARGWC-8	0.01	0.0017	0.1	n/a	No	21	90.48	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-9	0.009422	0.007738	0.1	n/a	No	21	0	sqrt(x)	0.01	Param.
Cobalt (mg/L)	ARAMW-4	0.005185	0.00325	0.006	n/a	No	12	0	No	0.01	Param.
Cobalt (mg/L)	ARGWC-10	0.001	0.00019	0.006	n/a	No	22	81.82	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-15	0.001579	0.0003409	0.006	n/a	No	22	40.91	ln(x)	0.01	Param.
Cobalt (mg/L)	ARGWC-16	0.001	0.00026	0.006	n/a	No	22	86.36	No	0.01	NP (NDs)
Cobalt (mg/L)	**ARGWC-17**	**0.03319**	**0.02124**	**0.006**	**n/a**	**Yes**	**22**	**0**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	ARGWC-18	0.001437	0.00114	0.006	n/a	No	22	0	No	0.01	Param.
Cobalt (mg/L)	ARGWC-7	0.001	0.00034	0.006	n/a	No	22	90.91	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-8	0.001	0.00023	0.006	n/a	No	22	63.64	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-9	0.001	0.00021	0.006	n/a	No	22	86.36	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	ARAMW-4	1.449	0.5007	5	n/a	No	10	10	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-10	0.5	0.0831	5	n/a	No	21	4.762	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-15	1.006	0.4323	5	n/a	No	21	4.762	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-16	0.712	0.227	5	n/a	No	21	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-17	1.05	0.118	5	n/a	No	21	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-18	0.693	0.331	5	n/a	No	21	4.762	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-7	0.804	0.281	5	n/a	No	21	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-8	0.618	0.218	5	n/a	No	21	4.762	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-9	0.6039	0.182	5	n/a	No	21	0	No	0.01	Param.
Fluoride (mg/L)	ARAMW-4	0.09075	0.03208	4	n/a	No	11	9.091	ln(x)	0.01	Param.
Fluoride (mg/L)	ARGWC-10	0.0857	0.04878	4	n/a	No	23	39.13	x^(1/3)	0.01	Param.
Fluoride (mg/L)	ARGWC-15	0.1536	0.08698	4	n/a	No	23	17.39	No	0.01	Param.
Fluoride (mg/L)	ARGWC-16	0.1	0.038	4	n/a	No	23	52.17	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-17	0.1	0.055	4	n/a	No	23	60.87	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-18	0.1287	0.0797	4	n/a	No	22	4.545	sqrt(x)	0.01	Param.
Fluoride (mg/L)	ARGWC-7	0.1	0.062	4	n/a	No	23	65.22	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-8	0.1721	0.119	4	n/a	No	22	0	No	0.01	Param.
Fluoride (mg/L)	ARGWC-9	0.09774	0.04561	4	n/a	No	23	39.13	sqrt(x)	0.01	Param.
Lead (mg/L)	ARGWC-10	0.031	0.00013	0.015	n/a	No	23	91.3	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-15	0.002	0.0016	0.015	n/a	No	23	73.91	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-16	0.002	0.00021	0.015	n/a	No	23	95.65	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-17	0.002	0.00022	0.015	n/a	No	23	95.65	No	0.01	NP (NDs)

Confidence Interval - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:52 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	%NDs	Transform	Alpha	Method
Lead (mg/L)	ARGWC-18	0.002	0.00031	0.015	n/a	No	23	82.61	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-8	0.002	0.00024	0.015	n/a	No	23	91.3	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-9	0.002	0.00016	0.015	n/a	No	23	95.65	No	0.01	NP (NDs)
Lithium (mg/L)	ARAMW-4	0.01438	0.01218	0.04	n/a	No	11	0	No	0.01	Param.
Lithium (mg/L)	ARGWC-10	0.01	0.0055	0.04	n/a	No	22	81.82	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-15	0.01	0.0045	0.04	n/a	No	22	72.73	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-16	0.01	0.0076	0.04	n/a	No	22	81.82	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-17	0.01	0.0071	0.04	n/a	No	22	81.82	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-18	0.0048	0.0037	0.04	n/a	No	22	9.091	No	0.01	NP (normality)
Lithium (mg/L)	ARGWC-7	0.01	0.0034	0.04	n/a	No	22	54.55	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-8	0.004068	0.003152	0.04	n/a	No	22	27.27	sqrt(x)	0.01	Param.
Lithium (mg/L)	ARGWC-9	0.01	0.0061	0.04	n/a	No	22	95.45	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-10	0.0002	0.000077	0.002	n/a	No	18	94.44	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-15	0.0002	0.000071	0.002	n/a	No	18	94.44	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-16	0.0002	0.000094	0.002	n/a	No	18	66.67	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-18	0.0002	0.000074	0.002	n/a	No	18	94.44	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-7	0.0002	0.00007	0.002	n/a	No	18	94.44	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-8	0.0002	0.000081	0.002	n/a	No	18	94.44	No	0.01	NP (NDs)
Molybdenum (mg/L)	ARAMW-4	0.001	0.000274	0.1	n/a	No	11	45.45	No	0.006	NP (normality)
Molybdenum (mg/L)	ARGWC-15	0.00212	0.00097	0.1	n/a	No	22	27.27	No	0.01	NP (normality)
Molybdenum (mg/L)	ARGWC-18	0.001	0.000288	0.1	n/a	No	22	95.45	No	0.01	NP (NDs)
Molybdenum (mg/L)	ARGWC-8	0.04328	0.0388	0.1	n/a	No	22	0	No	0.01	Param.
Selenium (mg/L)	ARAMW-4	0.005	0.00276	0.05	n/a	No	10	70	No	0.011	NP (NDs)
Selenium (mg/L)	ARGWC-10	0.005	0.0017	0.05	n/a	No	23	95.65	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-15	0.005	0.0005	0.05	n/a	No	23	86.96	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-16	0.003051	0.001596	0.05	n/a	No	23	4.348	No	0.01	Param.
Selenium (mg/L)	ARGWC-17	0.005	0.00231	0.05	n/a	No	23	91.3	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-7	0.005	0.0028	0.05	n/a	No	23	91.3	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-9	0.005	0.00029	0.05	n/a	No	23	91.3	No	0.01	NP (NDs)
Silver (mg/L)	ARGWC-15	0.001	0.00037	0.0051	n/a	No	18	88.89	No	0.01	NP (NDs)
Silver (mg/L)	ARGWC-16	0.001	0.00026	0.0051	n/a	No	18	94.44	No	0.01	NP (NDs)
Thallium (mg/L)	**ARAMW-4**	**0.002**	**0.002**	**0.002**	**n/a**	**Yes**	**10**	**90**	**No**	**0.011**	**NP (NDs)**
Thallium (mg/L)	ARGWC-15	0.002	0.000095	0.002	n/a	No	21	95.24	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-16	0.002	0.00027	0.002	n/a	No	21	85.71	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-17	0.002	0.00063	0.002	n/a	No	21	95.24	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-18	0.002	0.00028	0.002	n/a	No	21	95.24	No	0.01	NP (NDs)

Appendix IV Trend Tests - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 12:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**ARGWC-17**	**0.001983**	**85**	**71**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 12:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	ARGWA-12 (bg)	-0.00002683	-59	-71	No	22	50	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-13 (bg)	0	7	71	No	22	90.91	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-14 (bg)	0	5	71	No	22	95.45	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-24 (bg)	0	3	20	No	9	66.67	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-3 (bg)	0	3	71	No	22	90.91	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-5 (bg)	0	-6	-71	No	22	86.36	n/a	n/a	0.05	NP
Cobalt (mg/L)	**ARGWC-17**	**0.001983**	**85**	**71**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Thallium (mg/L)	ARAMW-4	0	9	23	No	10	90	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-12 (bg)	0	0	66	No	21	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-13 (bg)	0	0	66	No	21	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-14 (bg)	0	-4	-66	No	21	95.24	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-24 (bg)	0	0	20	No	9	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-3 (bg)	0	3	66	No	21	90.48	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-5 (bg)	0	-4	-66	No	21	80.95	n/a	n/a	0.05	NP

Table of Contents

Figure A. Time Series	26
Figure B. Box Plots	169
Figure C. Outlier Summary	192
Figure D. Appendix I Interwell Prediction Limits	197
Figure E. Appendix III Interwell Prediction Limits	234
Figure F. Appendix III Trend Tests	271
Figure G. Upper Tolerance Limits	282
Figure H. Groundwater Protection Standards	292
Figure I. Appendix I & IV Confidence Intervals	294
Figure J. Appendix IV Trend Tests	324

FIGURE A.

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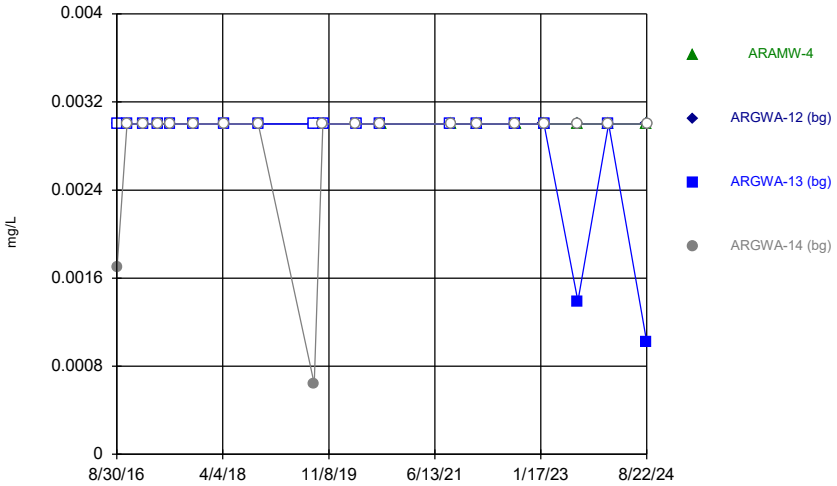
Time Series



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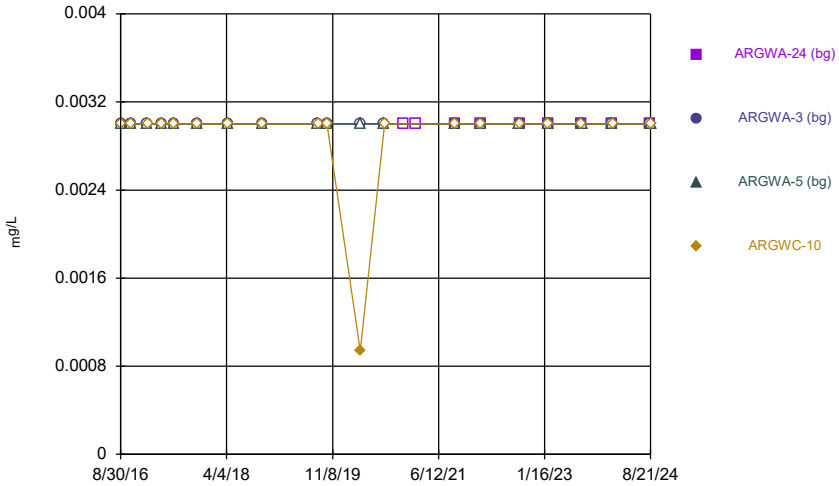

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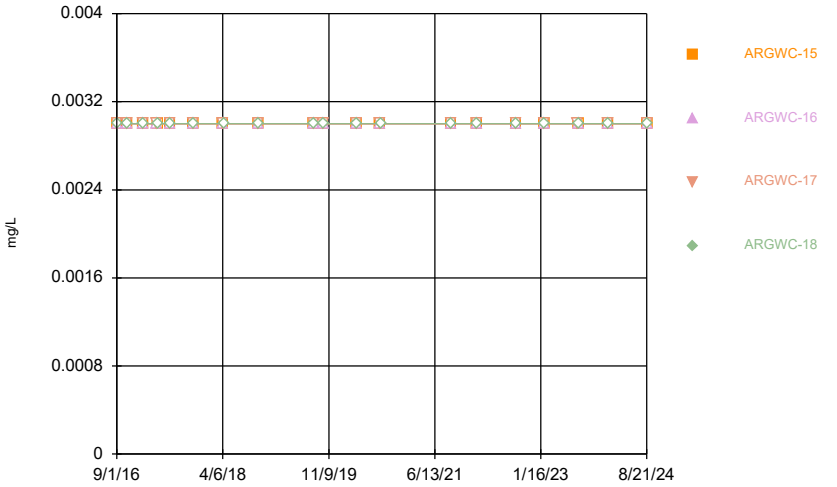

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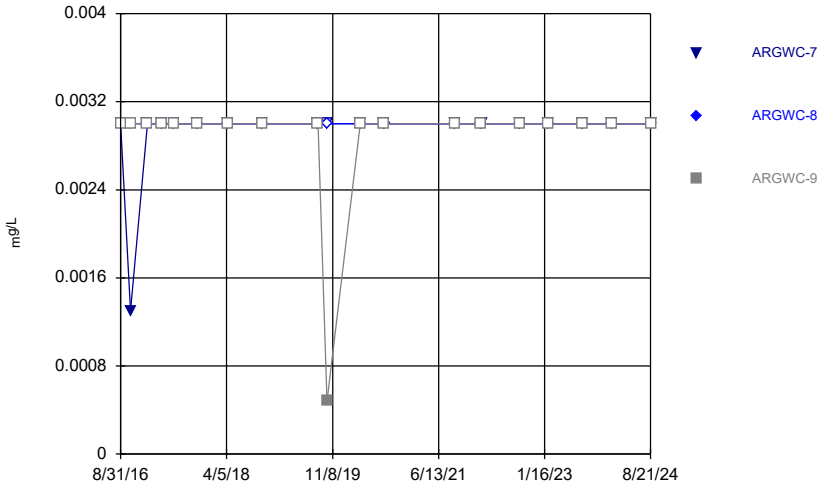

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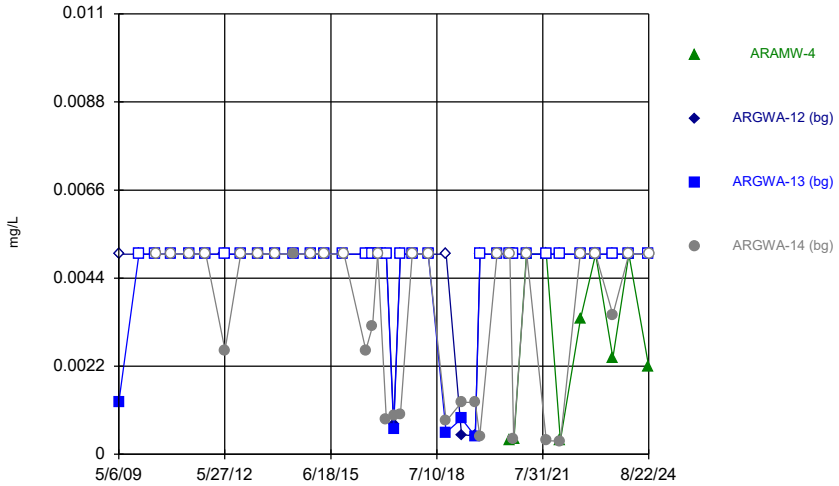

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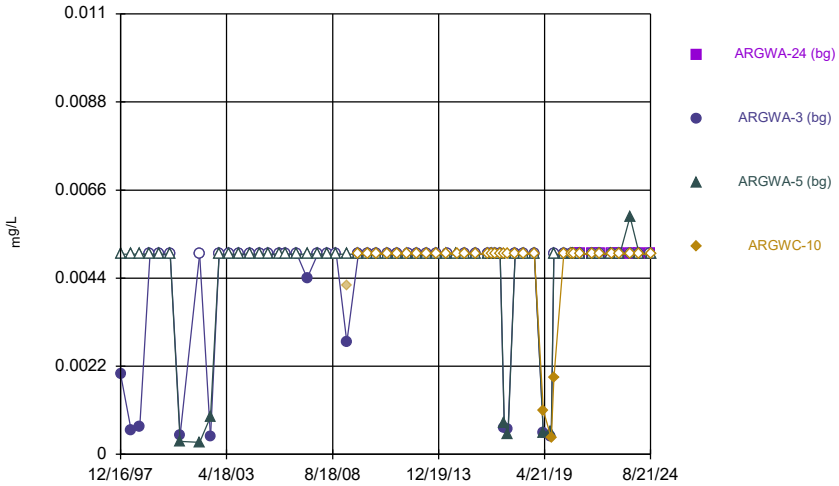

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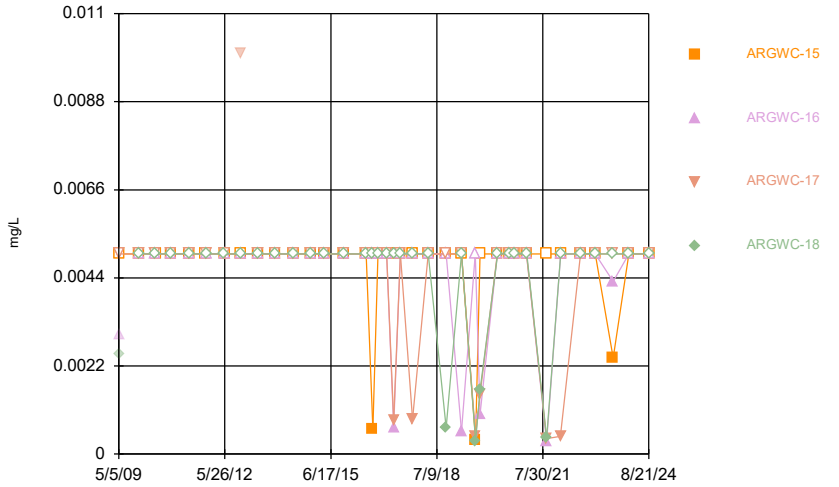

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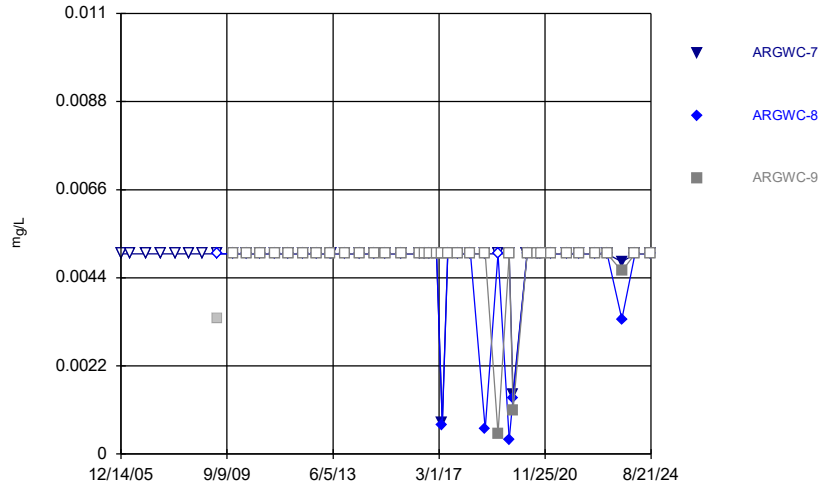

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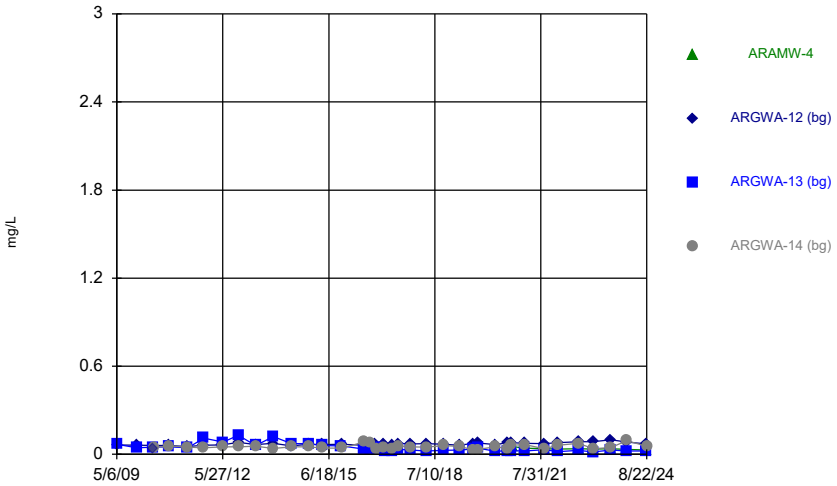

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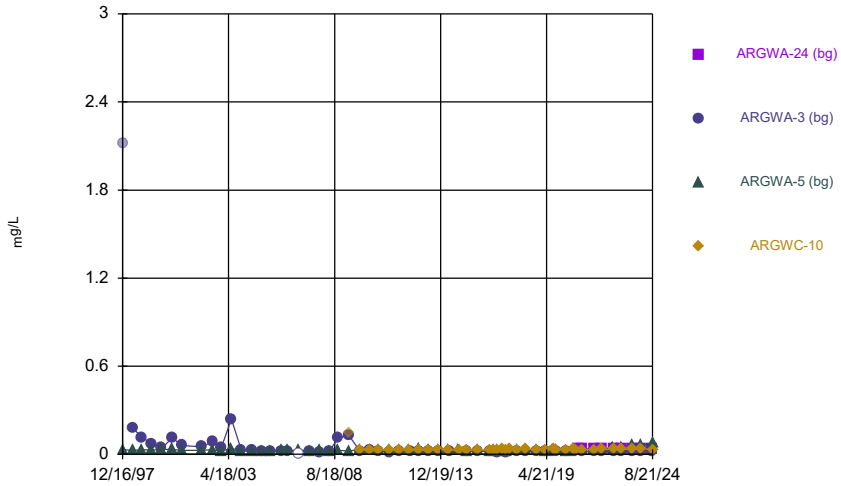

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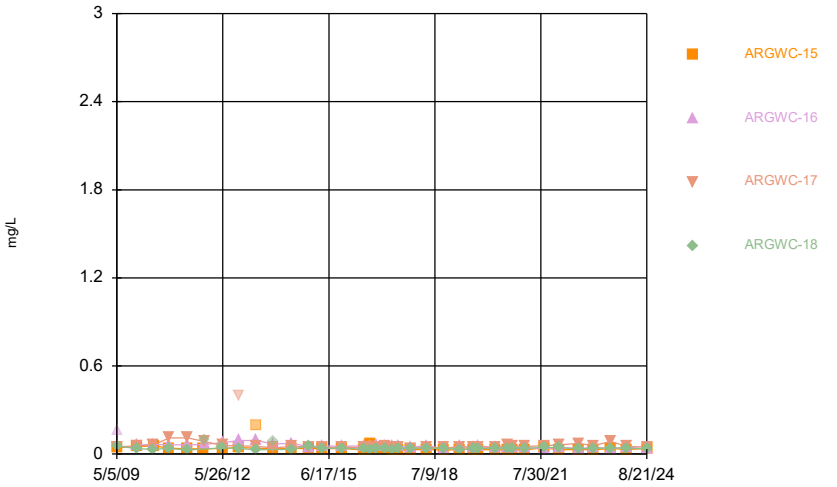

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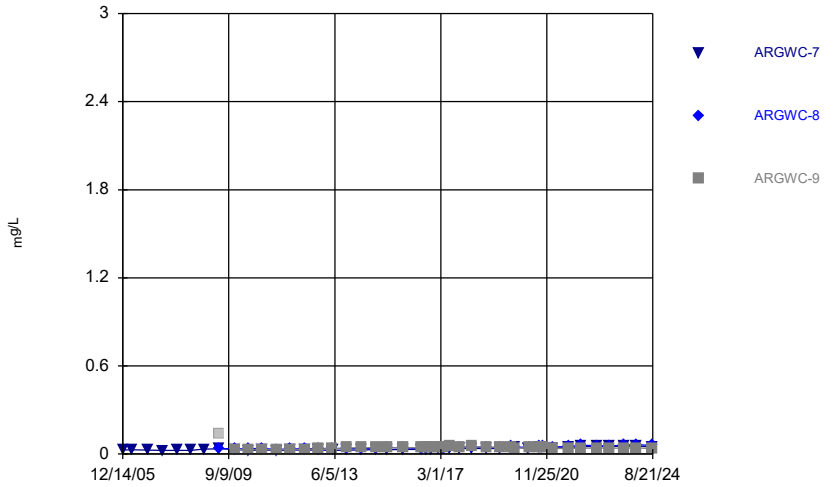

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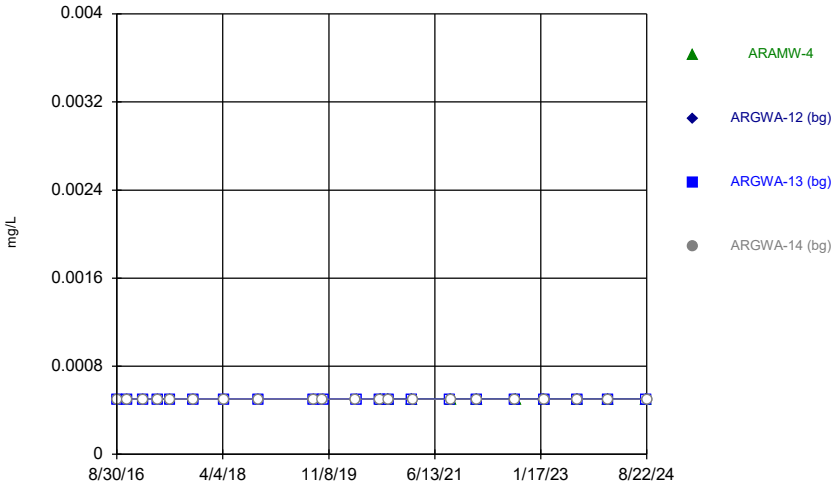

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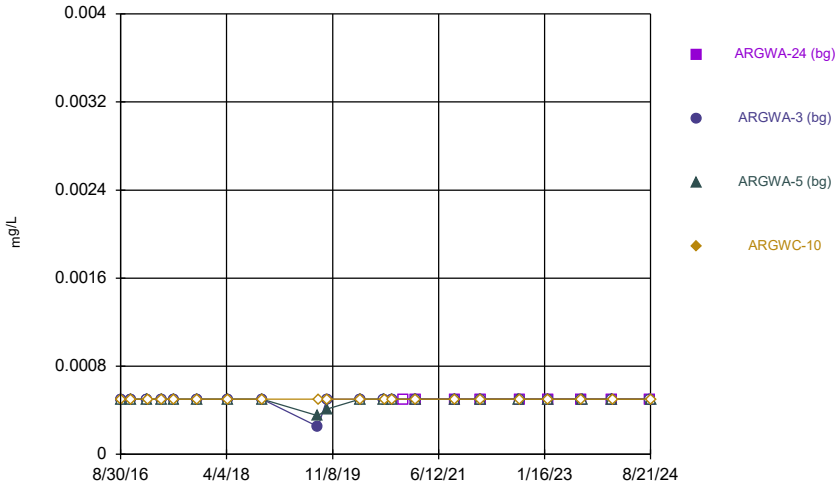

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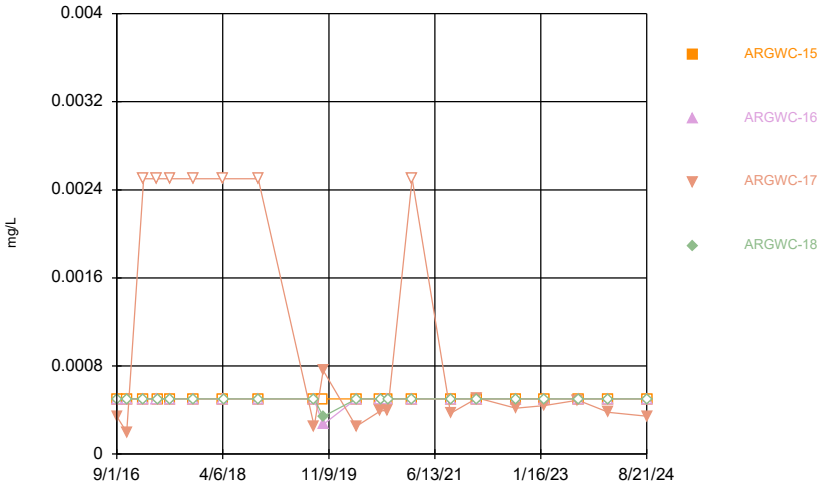

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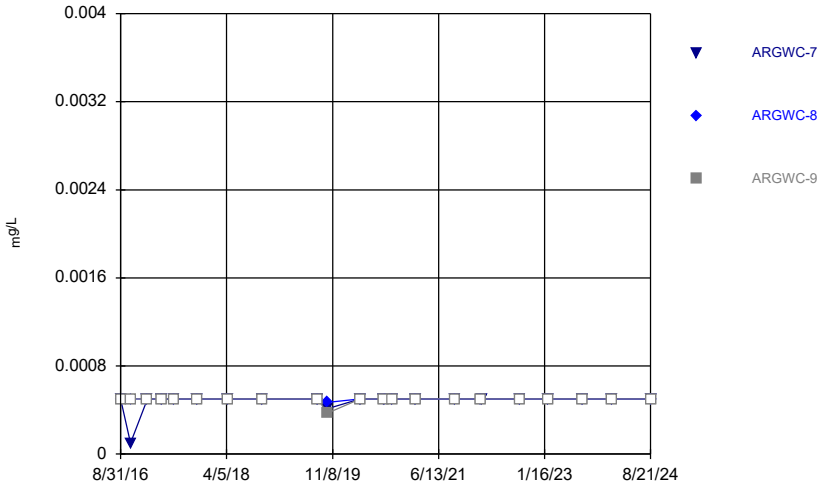

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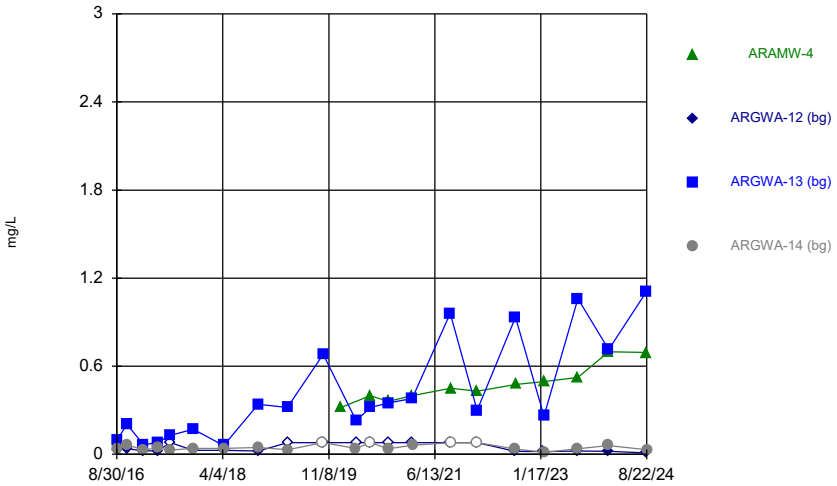

Constituent: Boron Analysis Run 10/3/2024 12:12 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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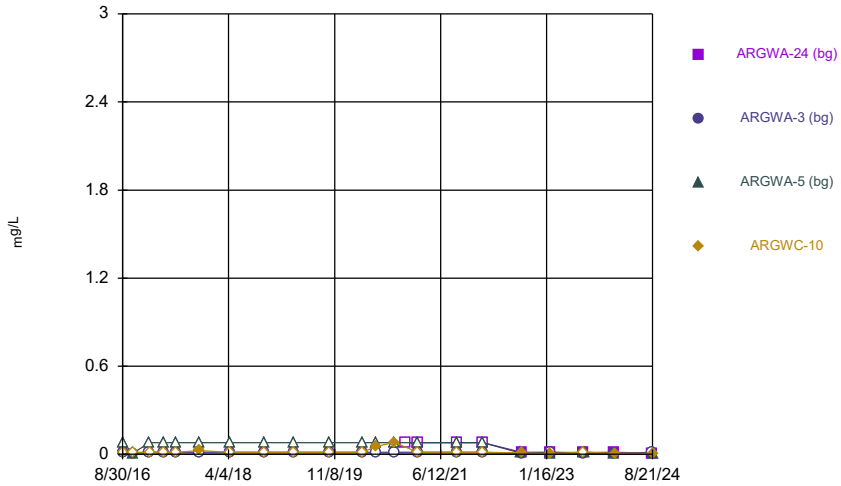
Hollow symbols indicate censored values.

Time Series



Constituent: Boron Analysis Run 10/3/2024 12:12 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
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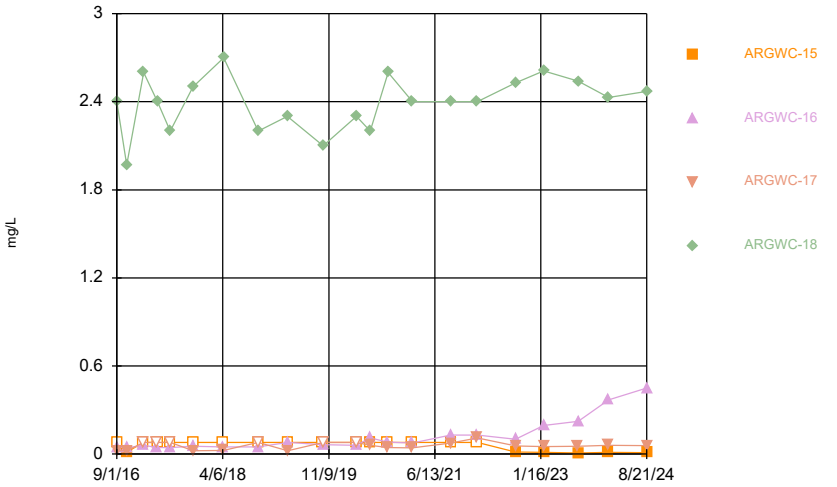
Time Series



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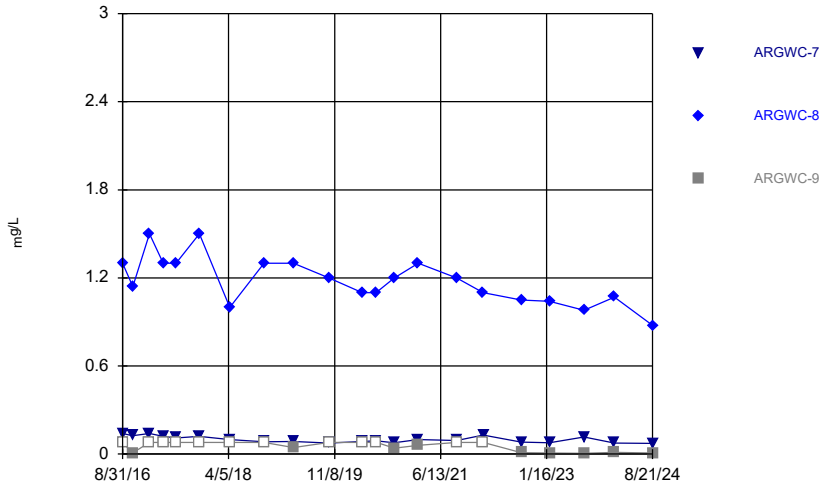
Time Series



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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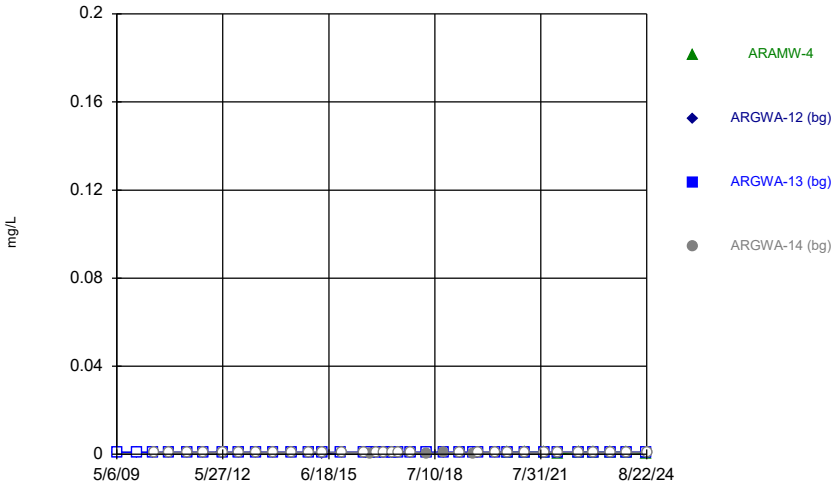
Hollow symbols indicate censored values.

Time Series



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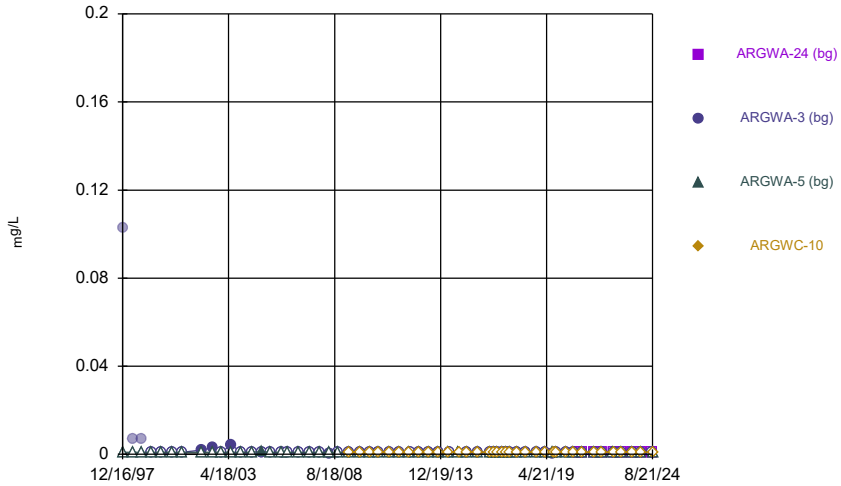
Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
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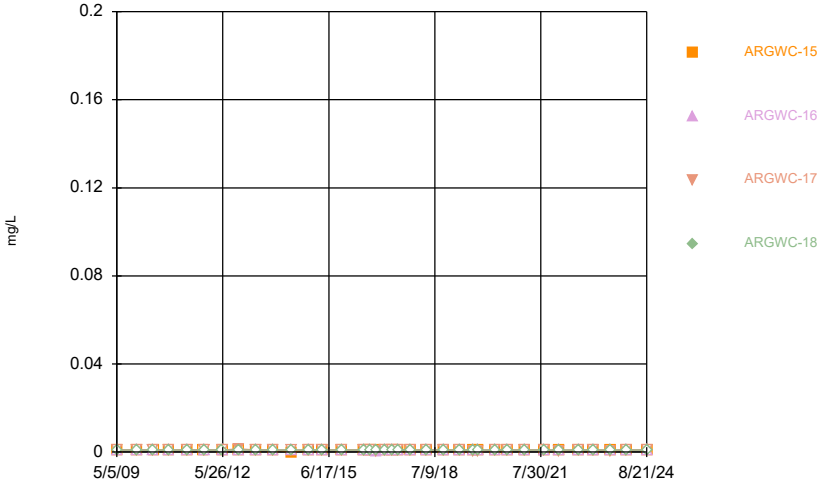
Time Series



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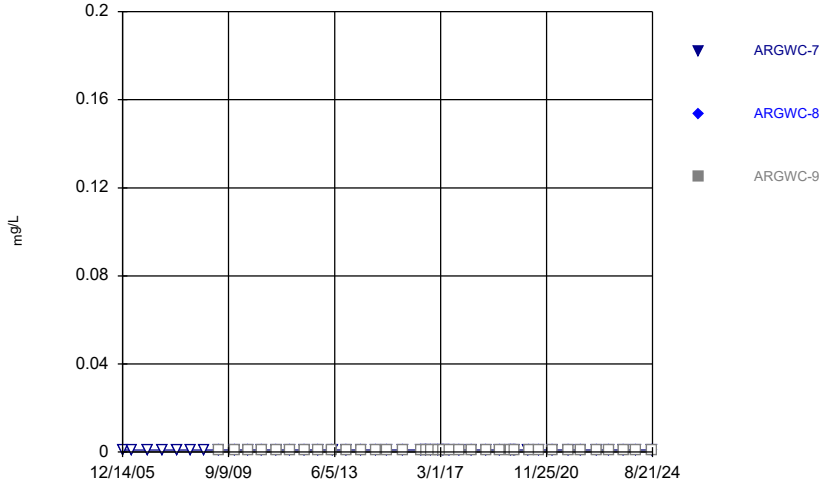

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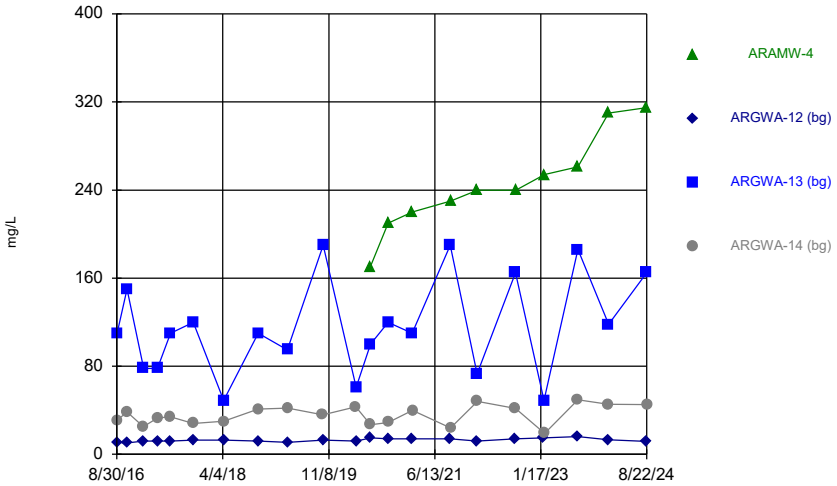
Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Time Series

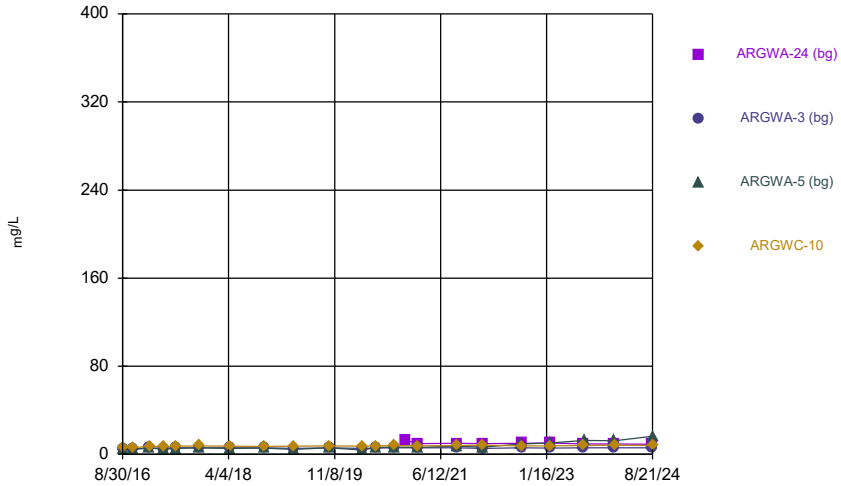


Constituent: Calcium Analysis Run 10/3/2024 12:12 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Time Series



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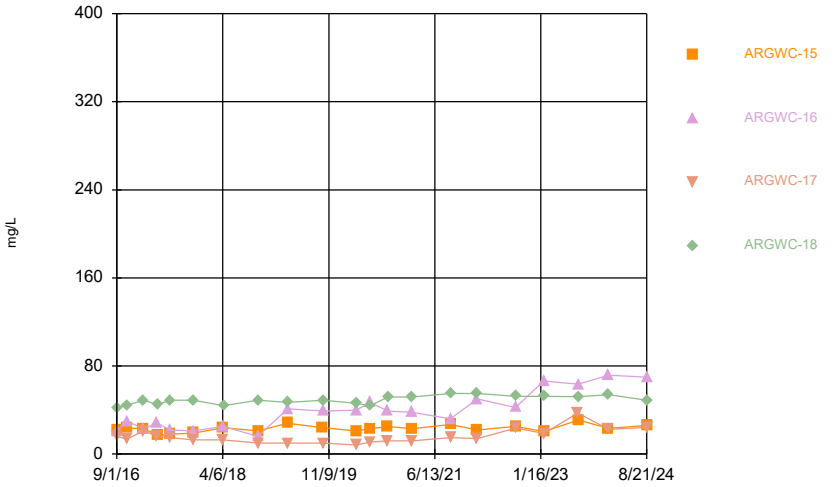

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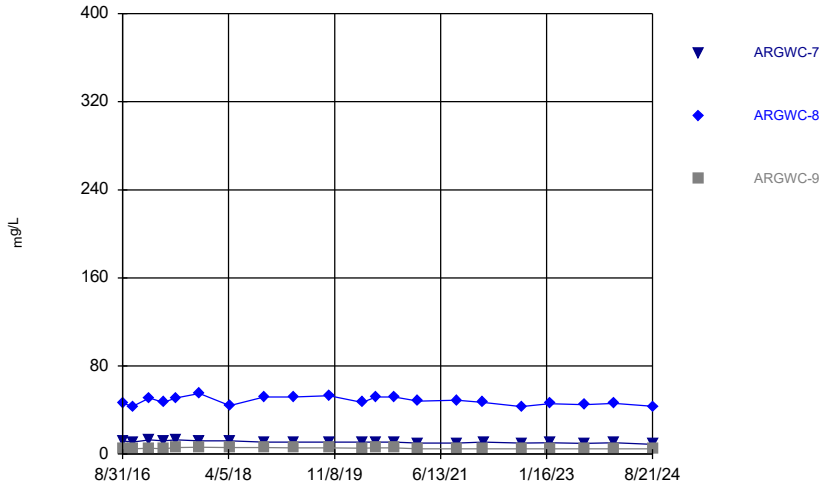
Time Series



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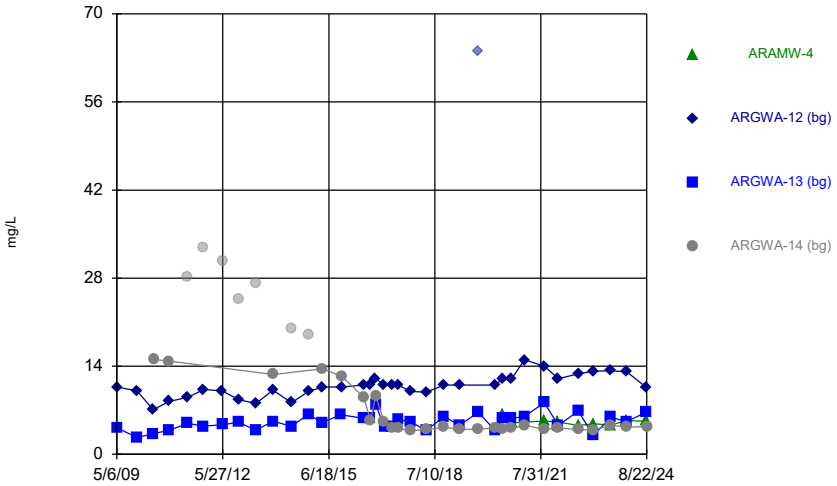
Time Series



Constituent: Chloride Analysis Run 10/3/2024 12:12 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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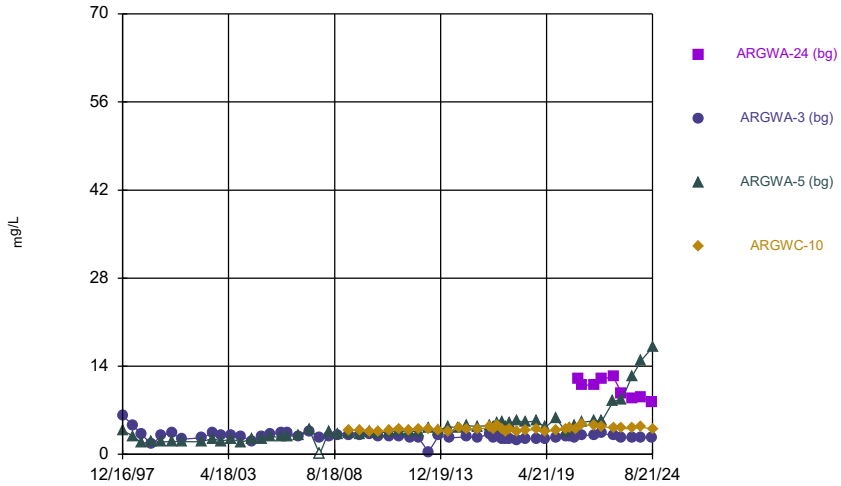
Hollow symbols indicate censored values.

Time Series



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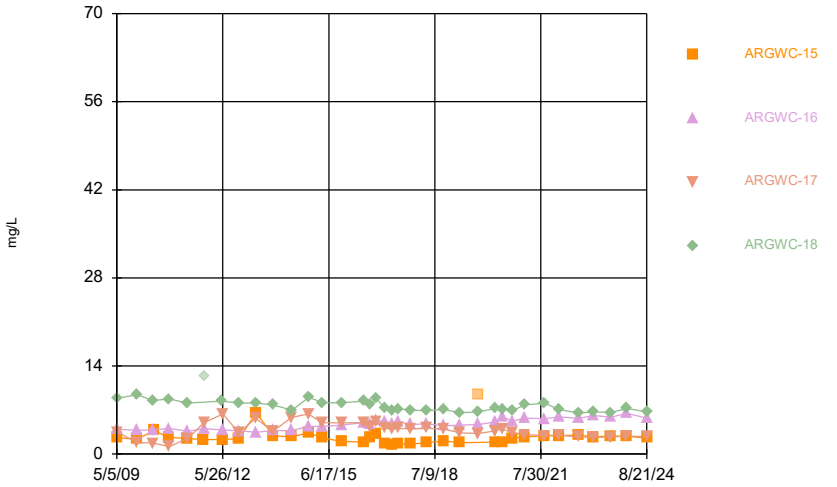
Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Time Series



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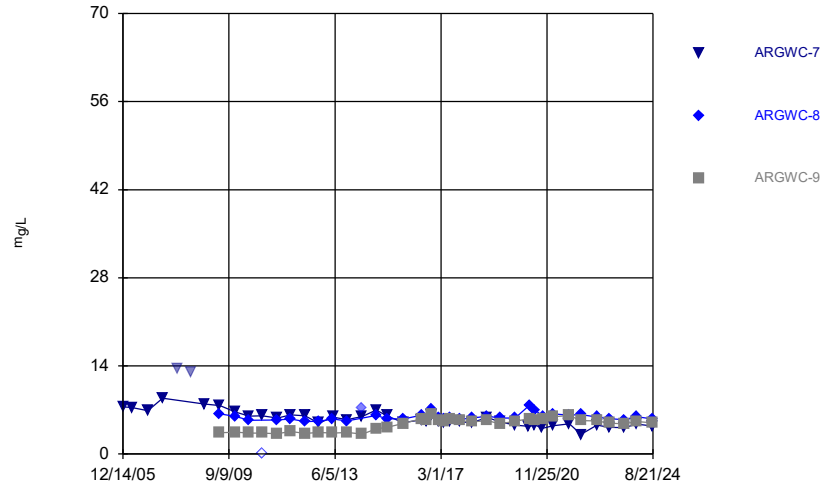

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Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
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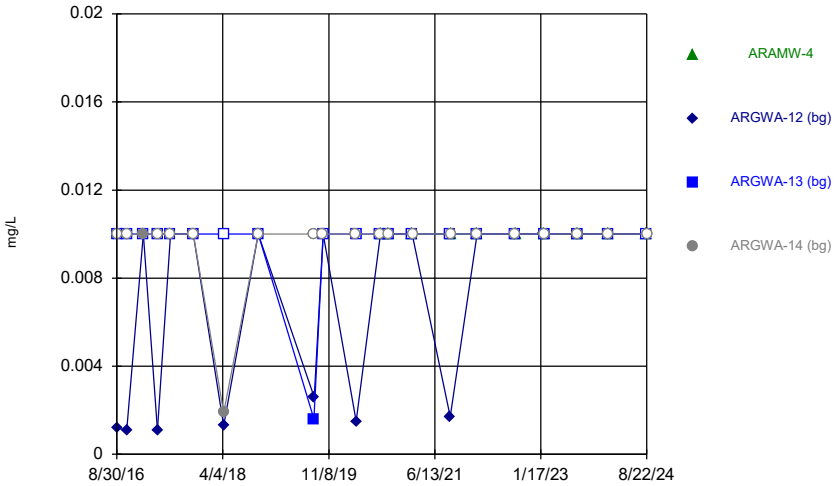
Time Series



Constituent: Chromium Analysis Run 10/3/2024 12:12 PM
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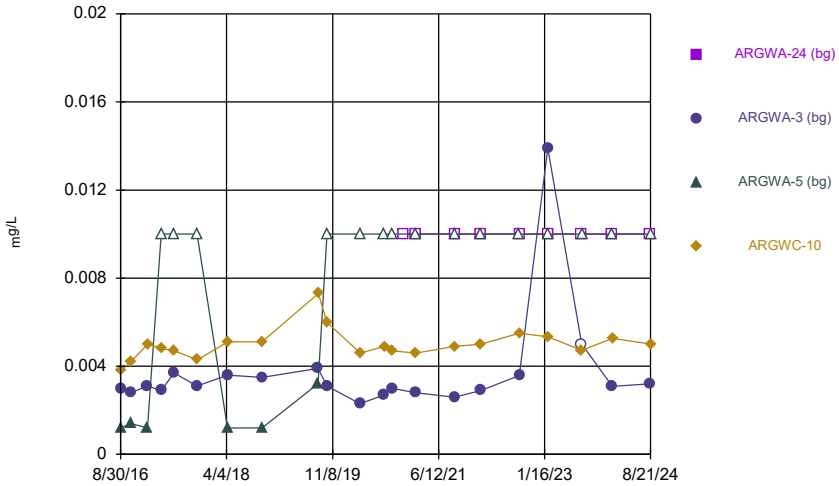
Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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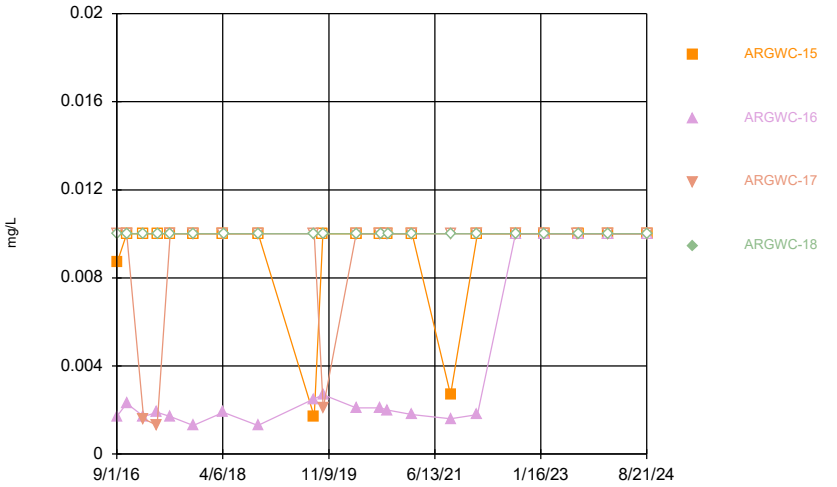

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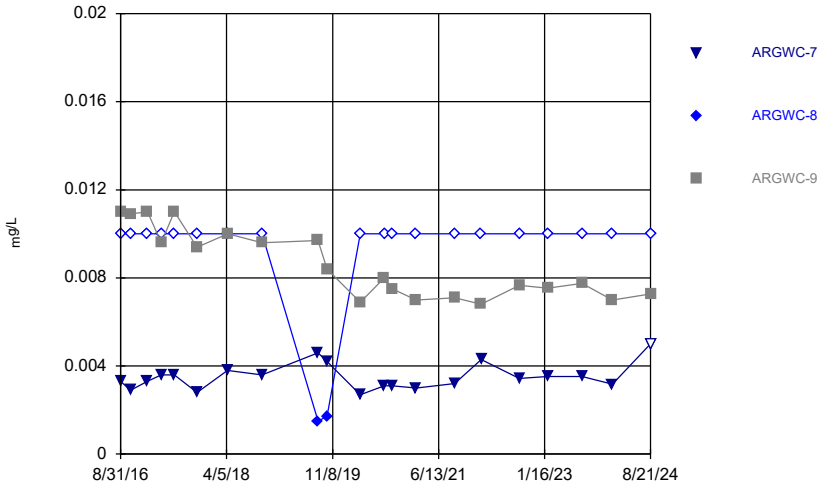

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Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
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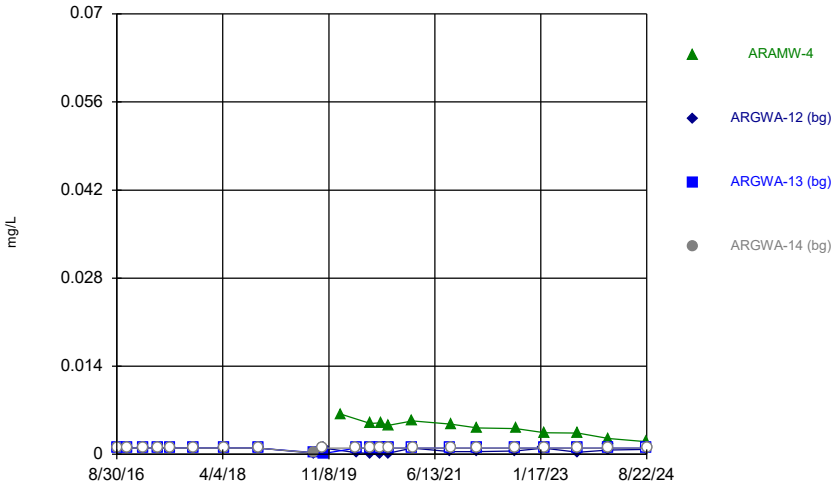
Time Series



Constituent: Cobalt Analysis Run 10/3/2024 12:12 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
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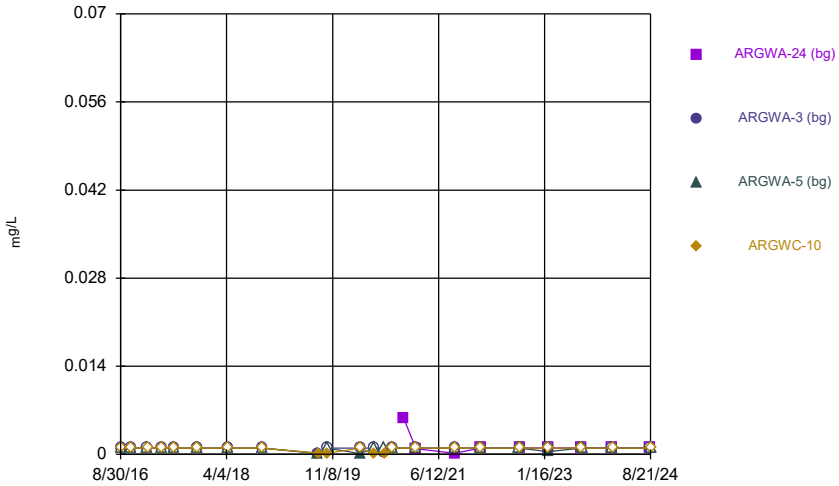
Time Series



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
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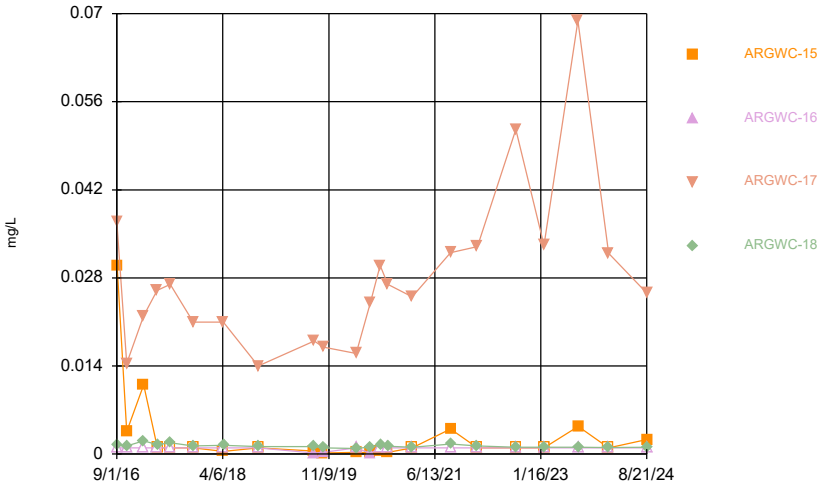
Time Series



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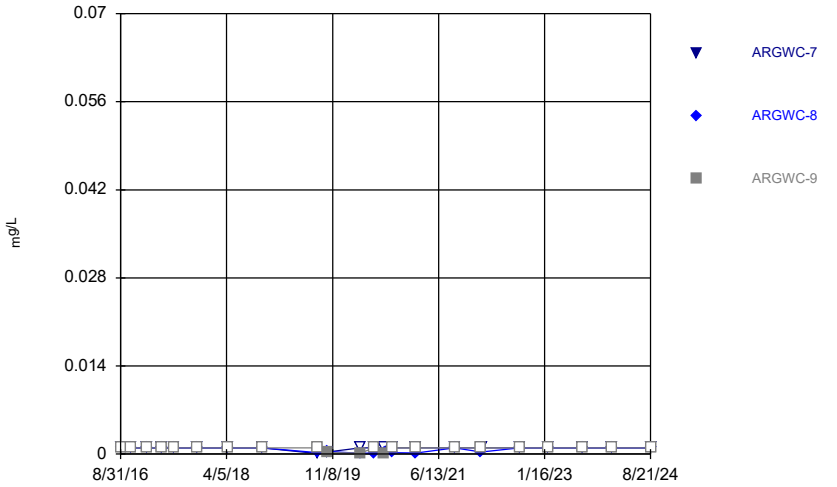

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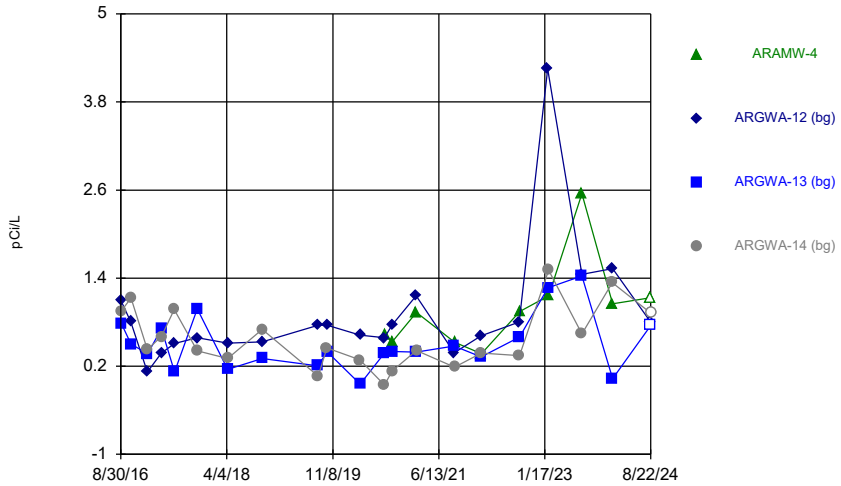
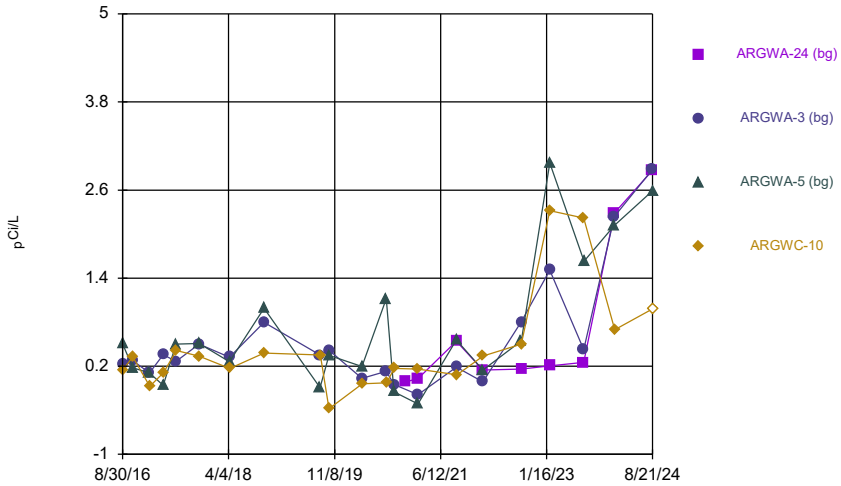


Constituent: Combined Radium 226 + 228 Analysis Run 10/3/2024 12:12 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/3/2024 12:12 PM
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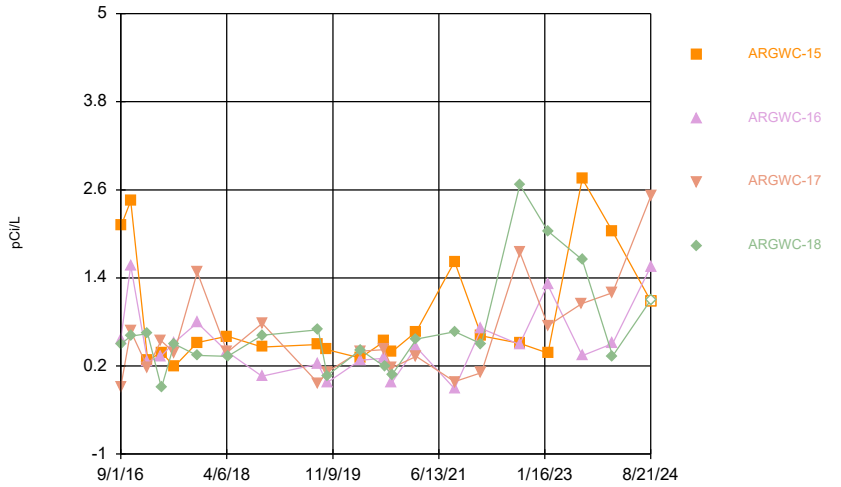

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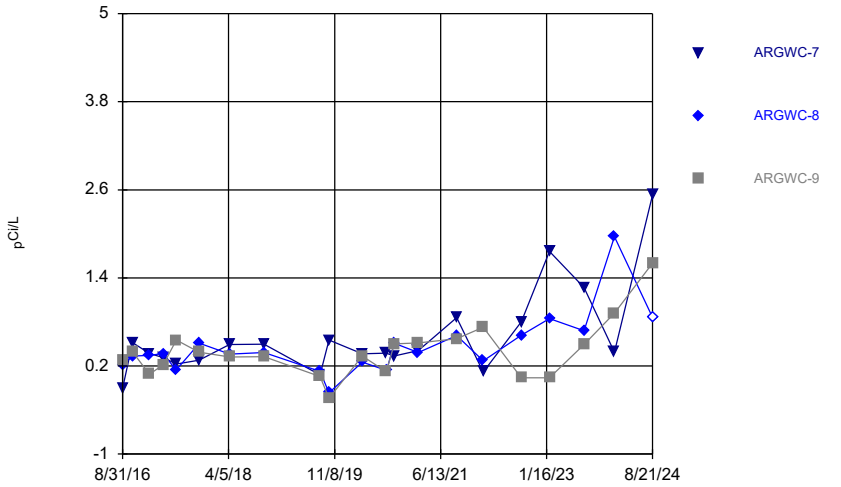
Time Series



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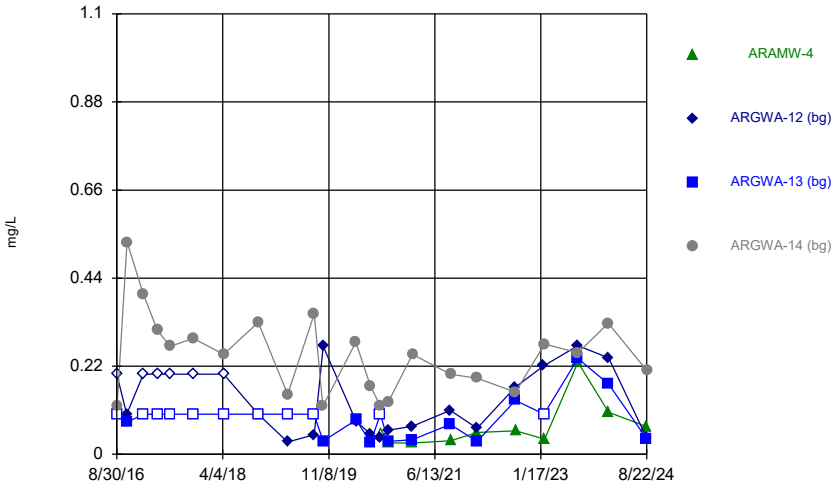
Time Series



Constituent: Fluoride Analysis Run 10/3/2024 12:12 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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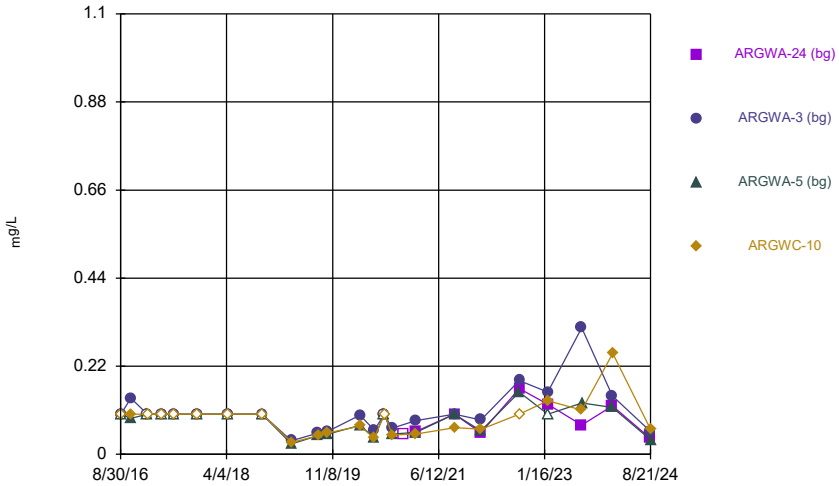
Time Series



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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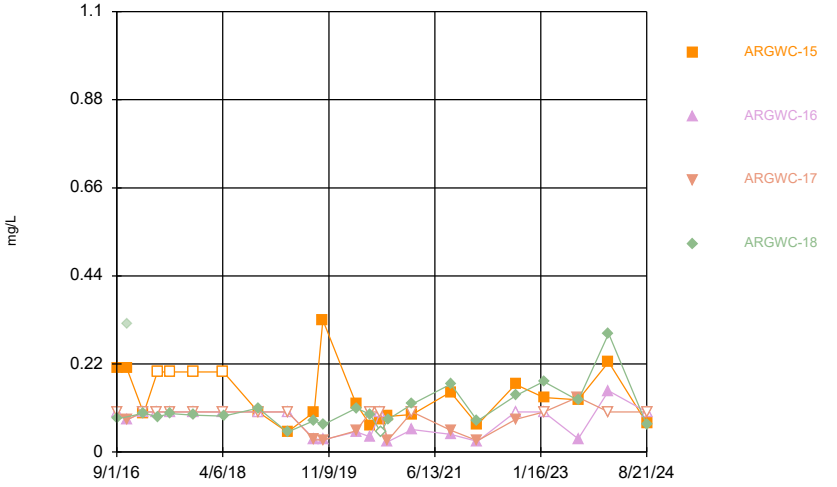
Time Series



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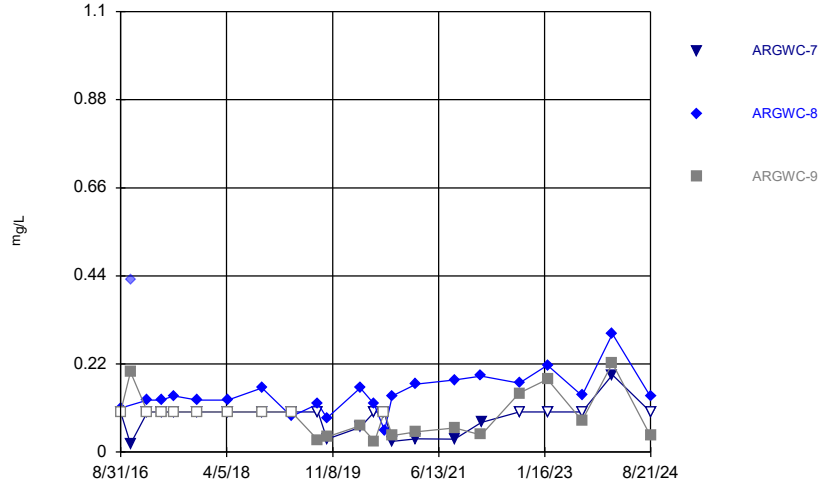

Constituent: Fluoride Analysis Run 10/3/2024 12:12 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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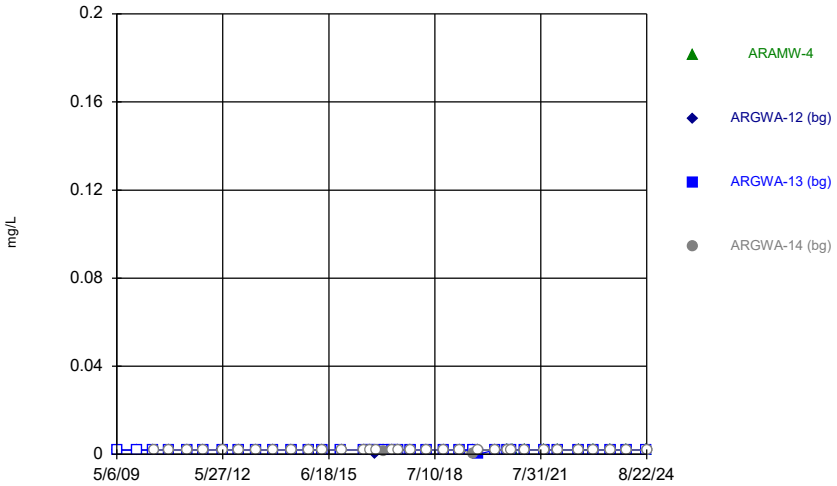
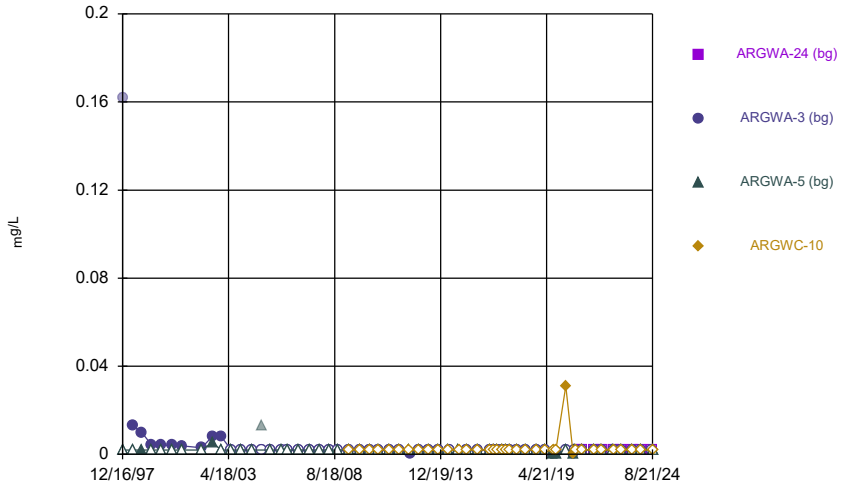
Time Series



Constituent: Lead Analysis Run 10/3/2024 12:12 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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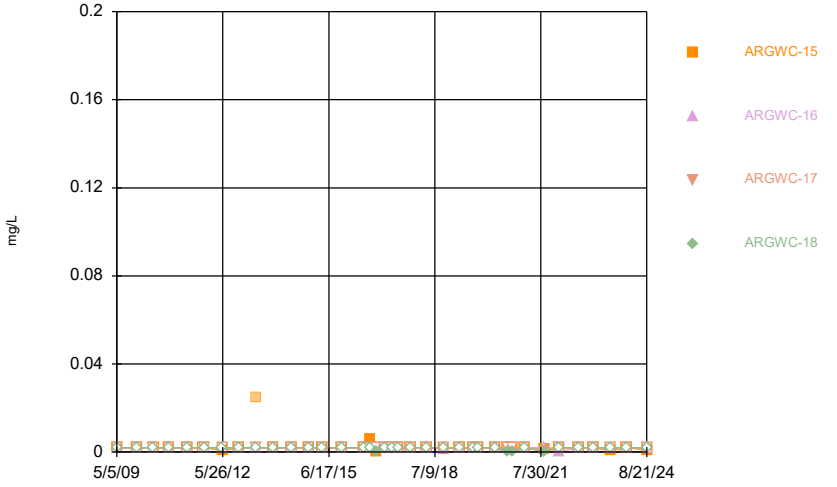

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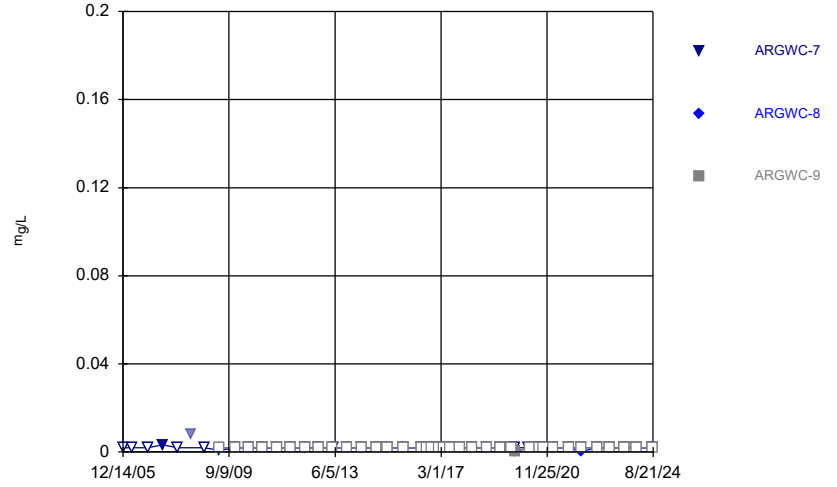

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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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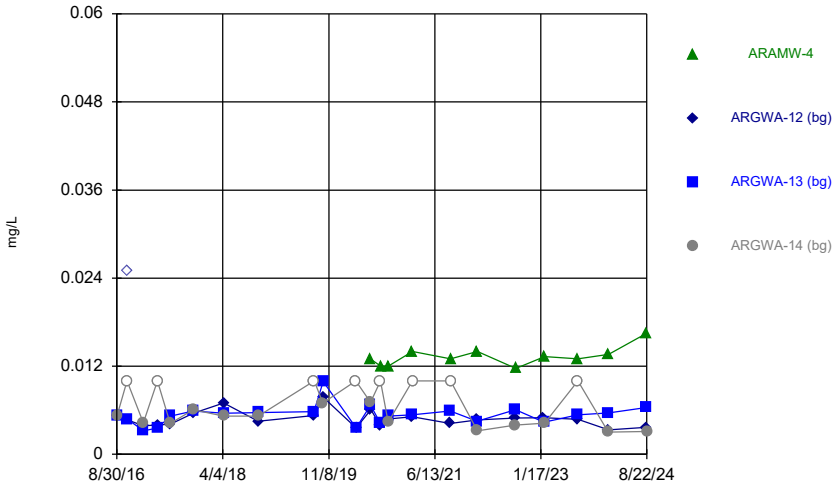

Constituent: Lithium Analysis Run 10/3/2024 12:12 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
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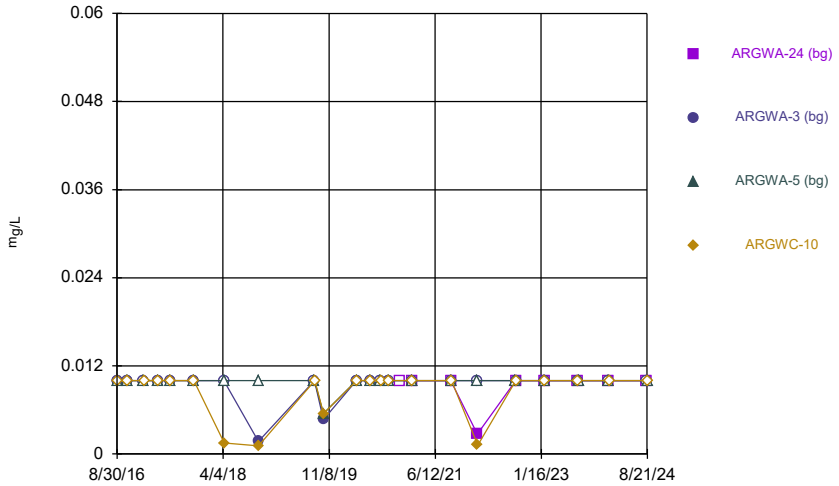
Time Series



Constituent: Lithium Analysis Run 10/3/2024 12:12 PM
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Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
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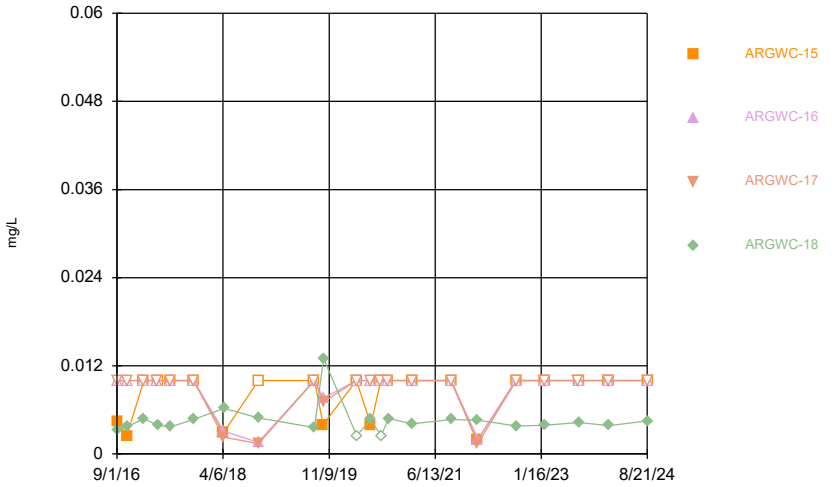

Constituent: Lithium Analysis Run 10/3/2024 12:12 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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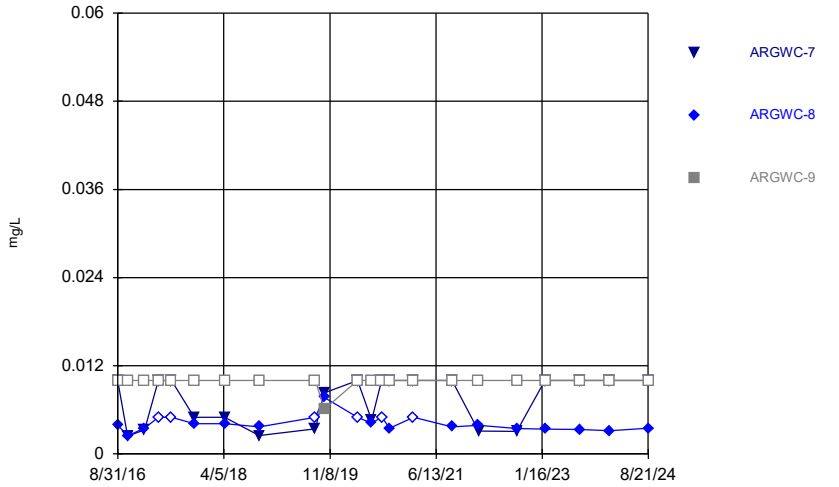
Hollow symbols indicate censored values.

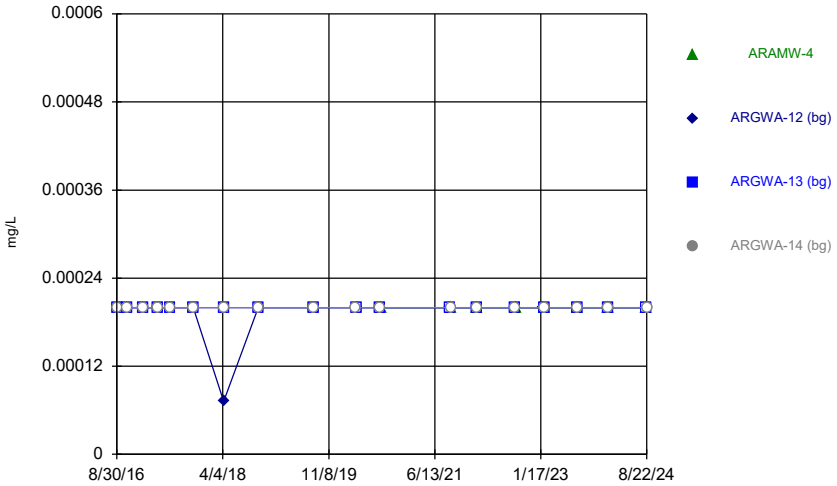
Time Series



Constituent: Lithium Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

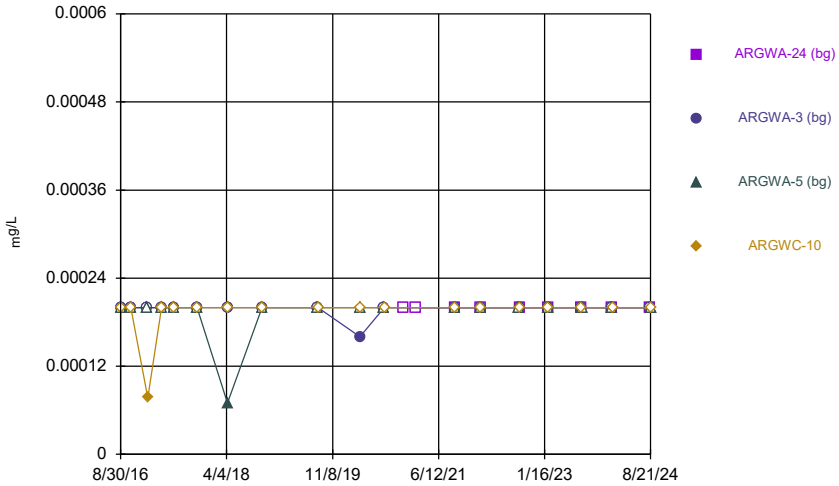
Time Series



Constituent: Mercury Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

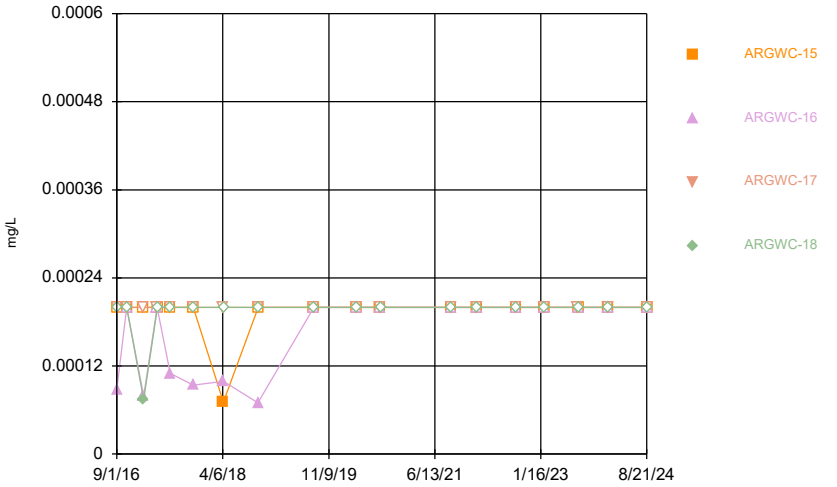
Time Series



Constituent: Mercury Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

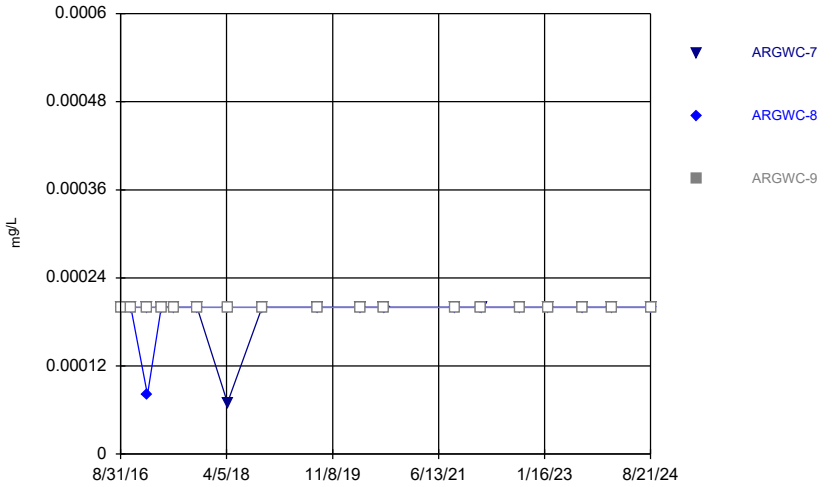
Time Series



Constituent: Mercury Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

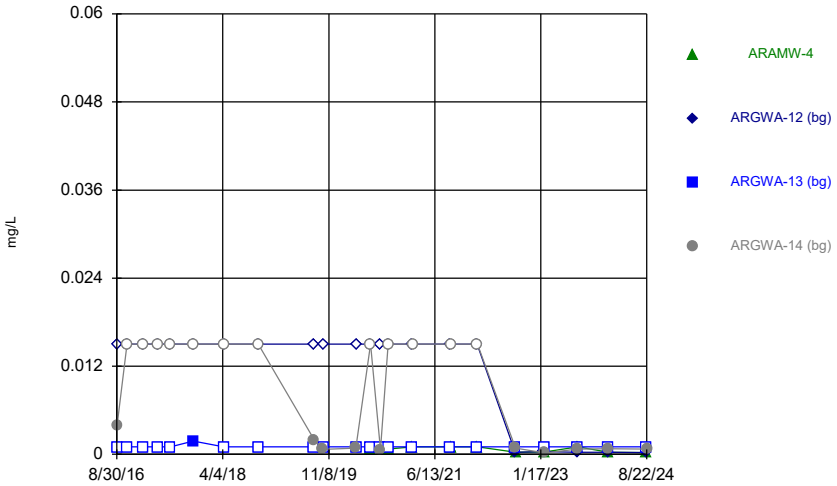
Time Series



Constituent: Mercury Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

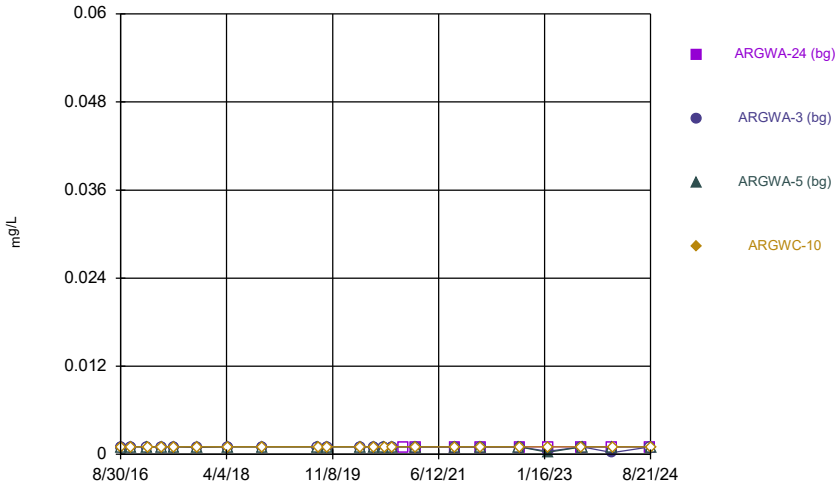
Time Series



Constituent: Molybdenum Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

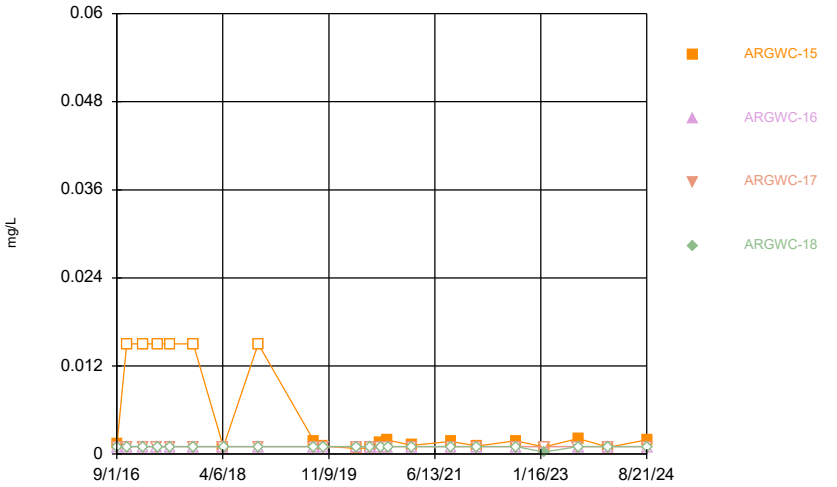
Time Series



Constituent: Molybdenum Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

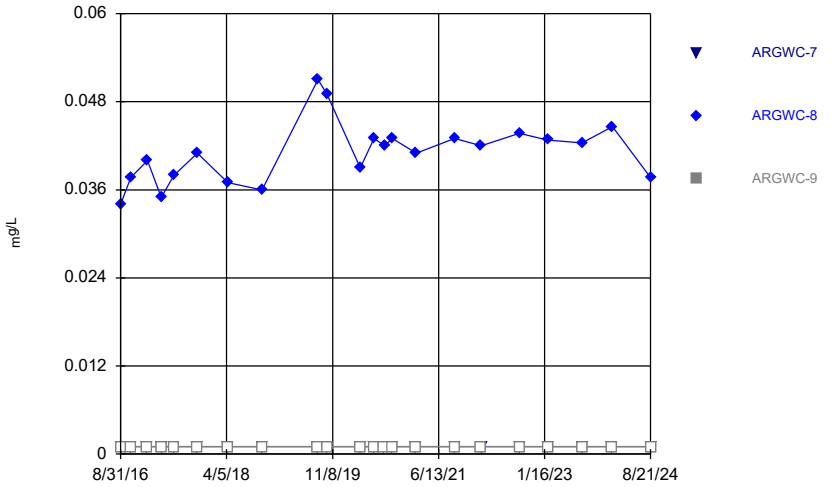
Time Series



Constituent: Molybdenum Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

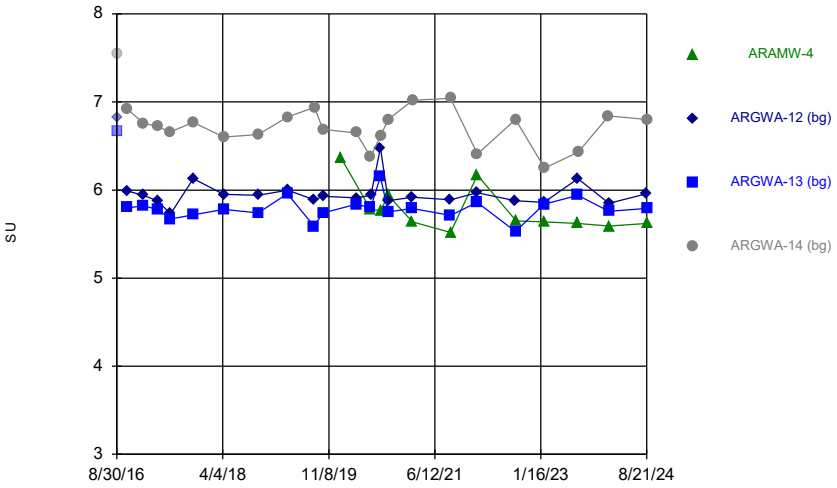
Time Series



Constituent: Molybdenum Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Time Series

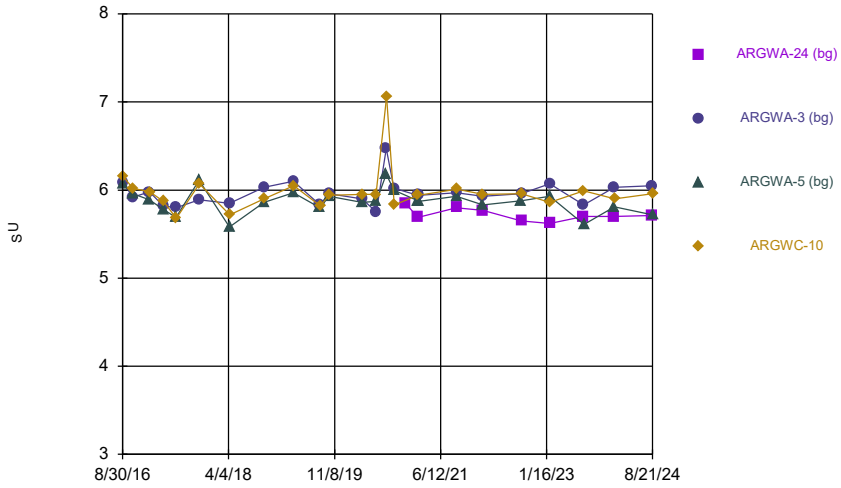


Constituent: pH Analysis Run 10/3/2024 12:13 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Time Series

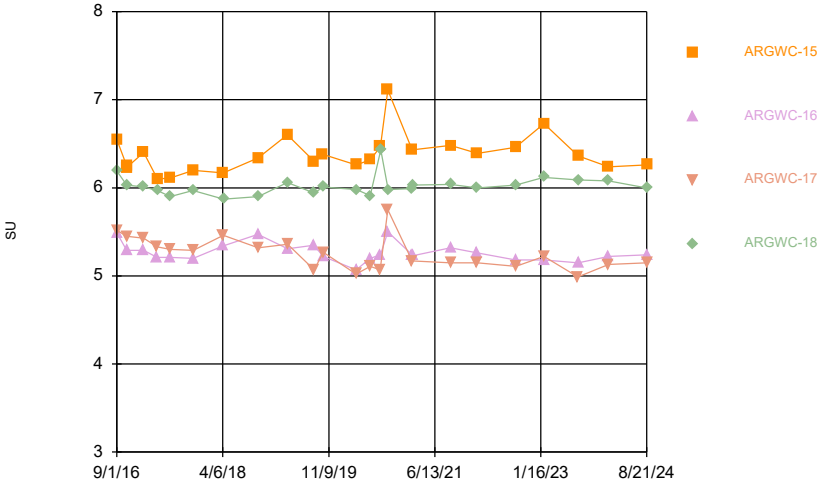


Constituent: pH Analysis Run 10/3/2024 12:13 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Time Series

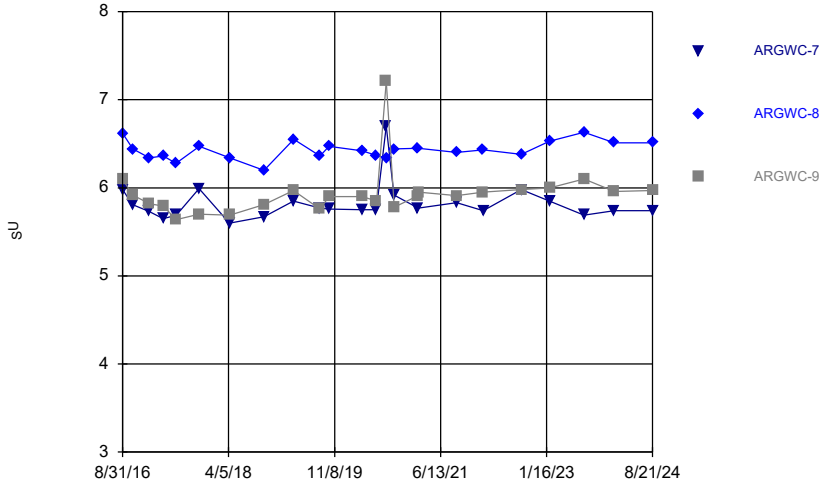


Constituent: pH Analysis Run 10/3/2024 12:13 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Time Series

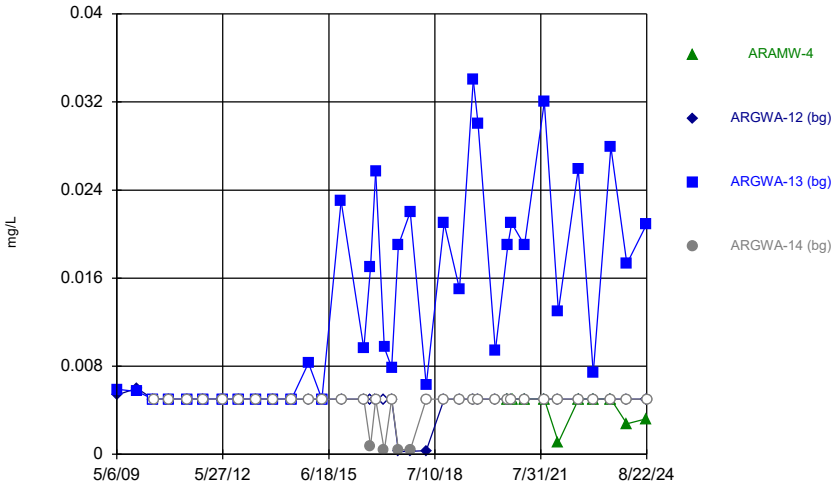


Constituent: pH Analysis Run 10/3/2024 12:13 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

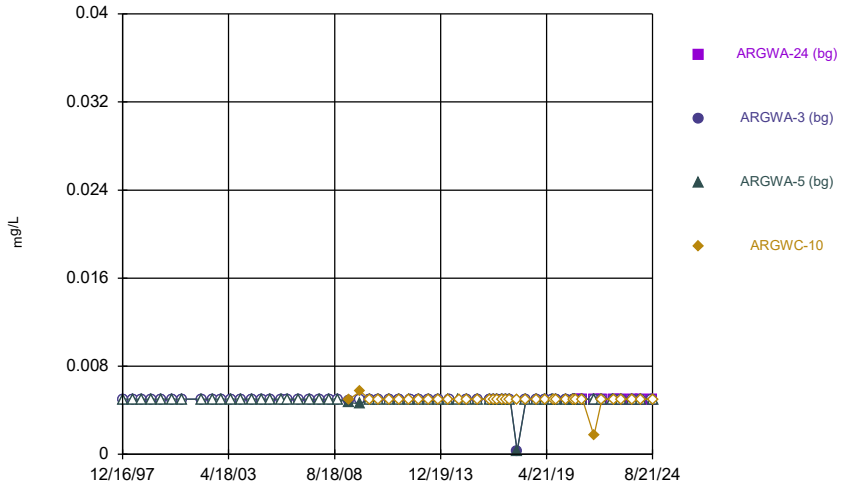
Time Series



Constituent: Selenium Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

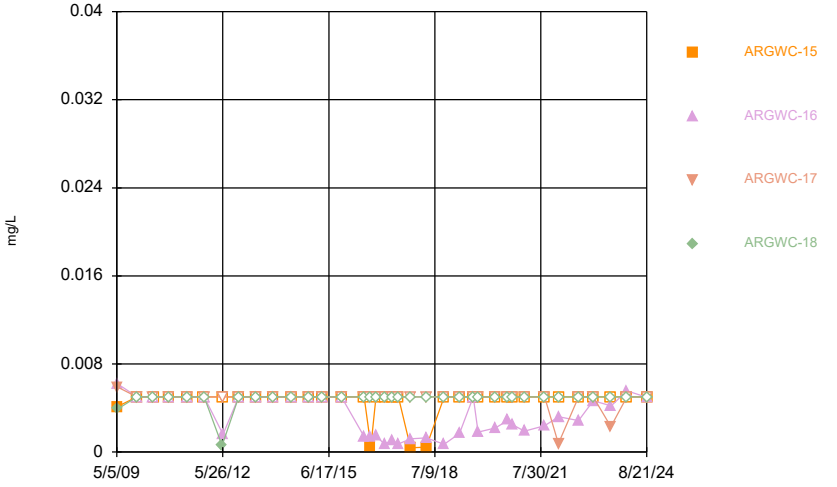
Time Series



Constituent: Selenium Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

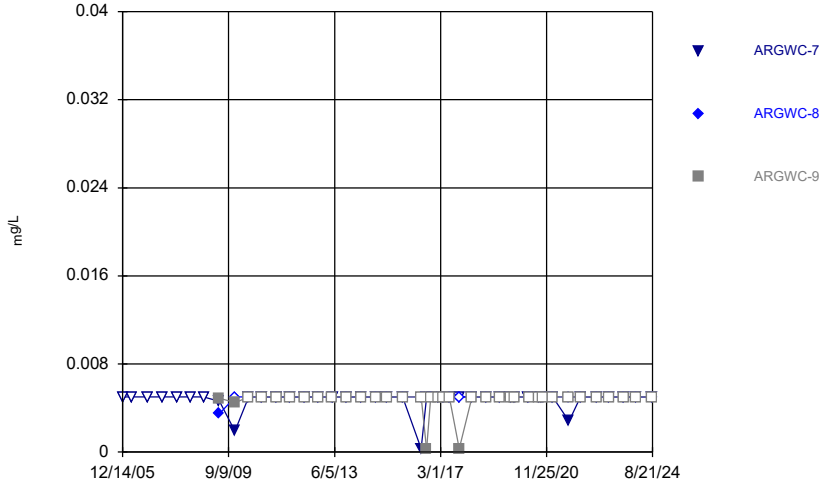
Time Series



Constituent: Selenium Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

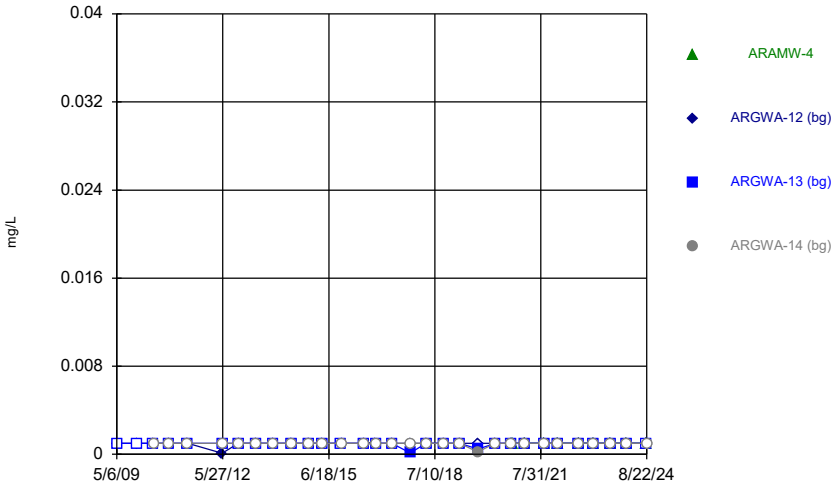
Time Series



Constituent: Selenium Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

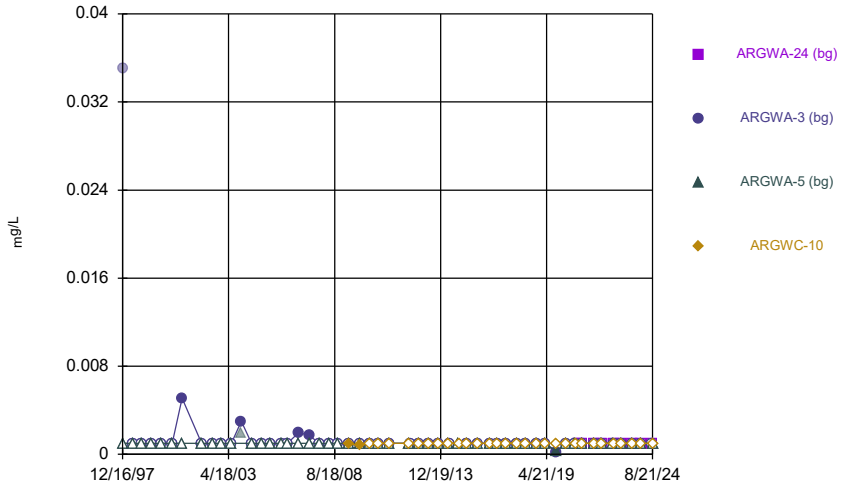
Time Series



Constituent: Silver Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

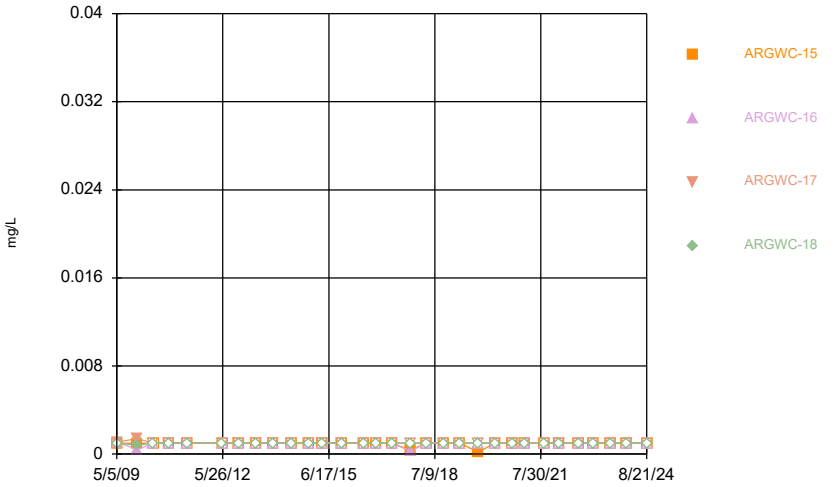
Time Series



Constituent: Silver Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

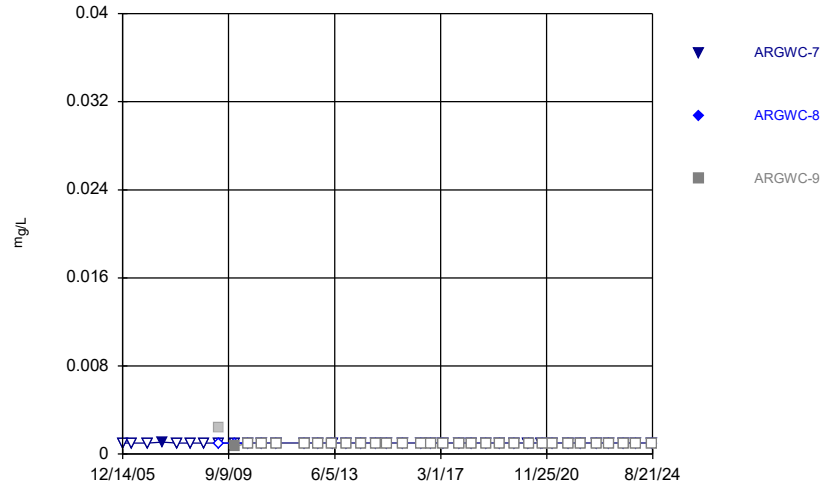
Time Series



Constituent: Silver Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

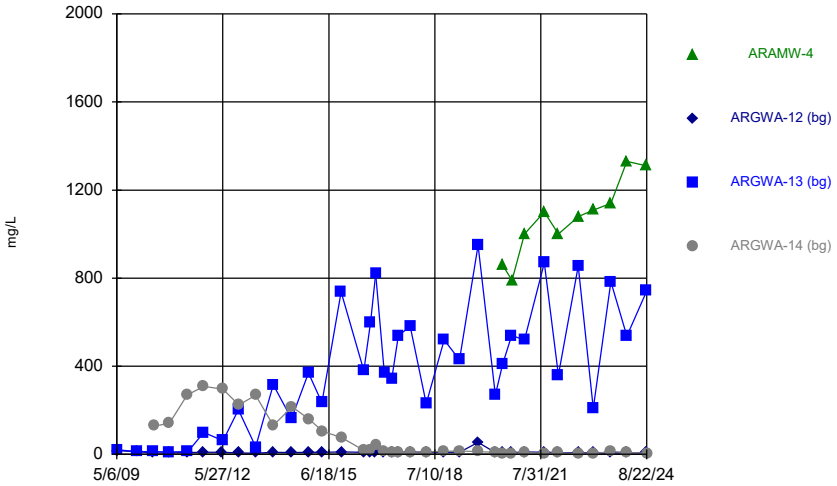
Time Series



Constituent: Silver Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Time Series

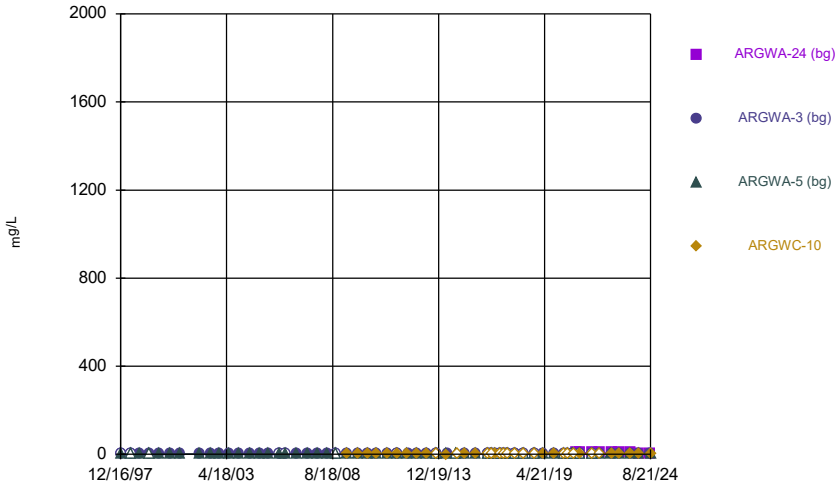


Constituent: Sulfate Analysis Run 10/3/2024 12:13 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

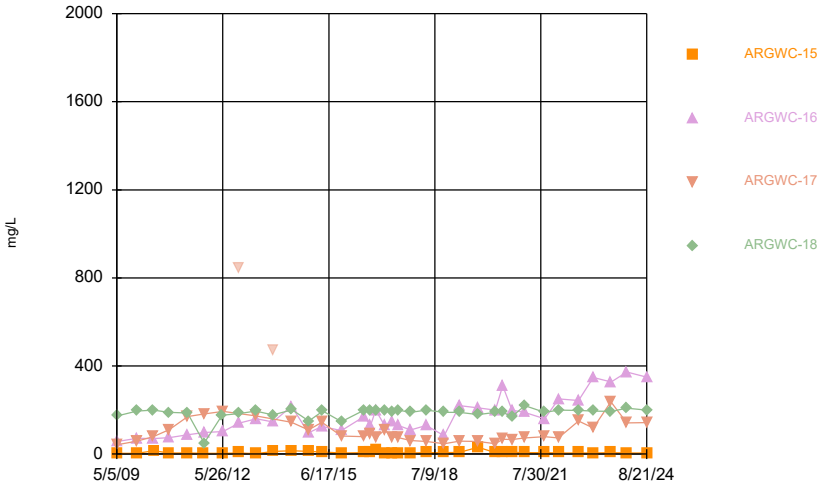


Constituent: Sulfate Analysis Run 10/3/2024 12:13 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Time Series

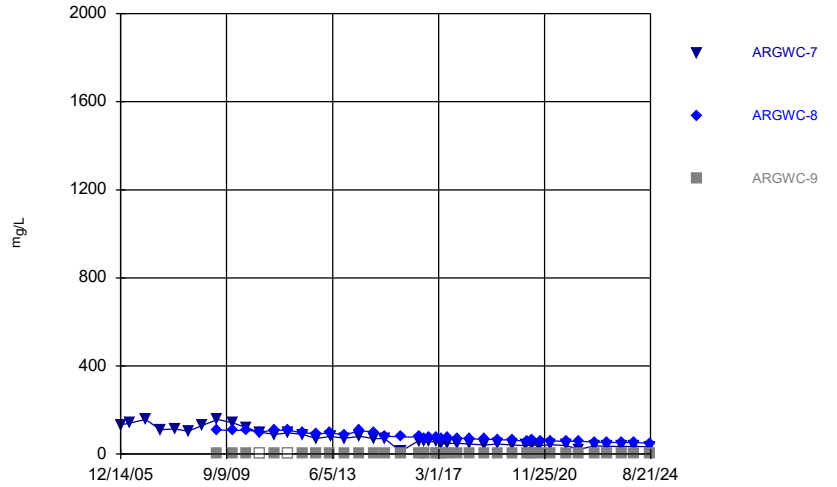


Constituent: Sulfate Analysis Run 10/3/2024 12:13 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

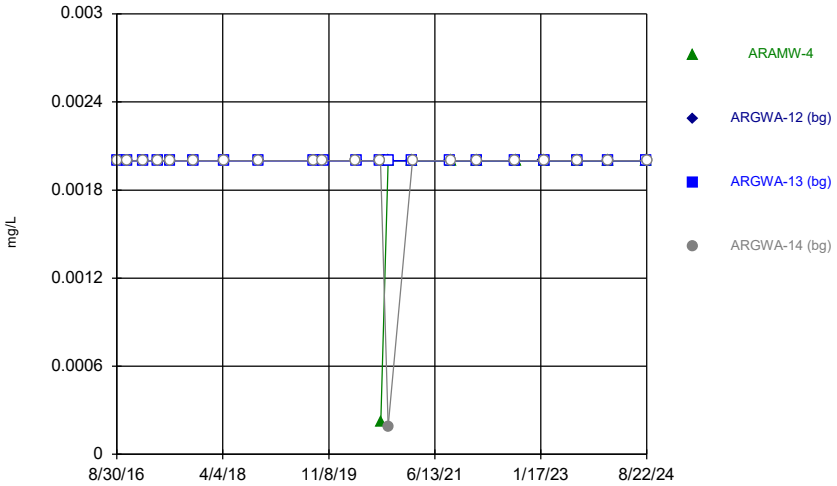


Constituent: Sulfate Analysis Run 10/3/2024 12:13 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

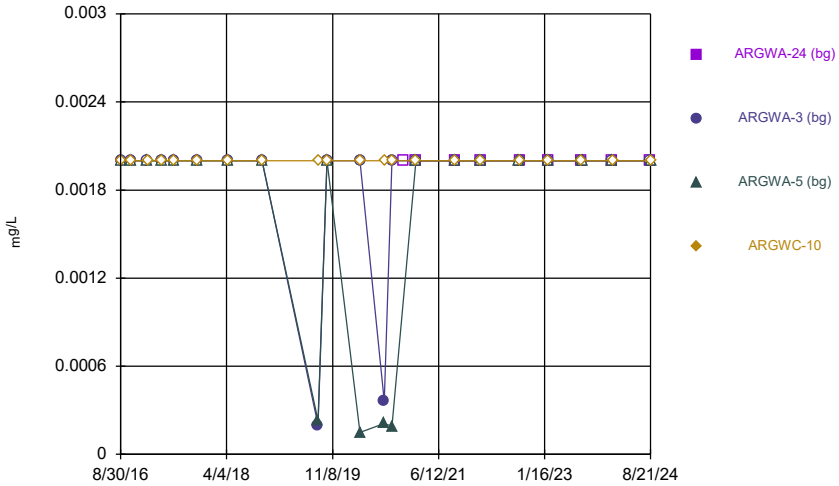
Time Series



Constituent: Thallium Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

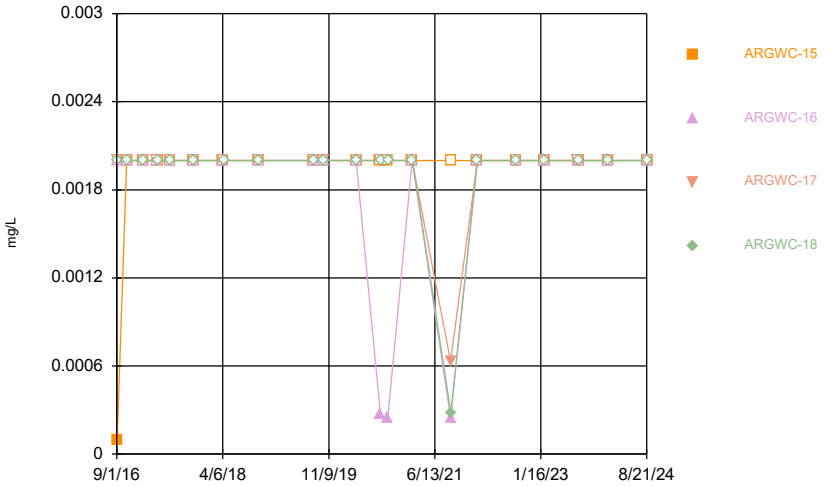
Time Series



Constituent: Thallium Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

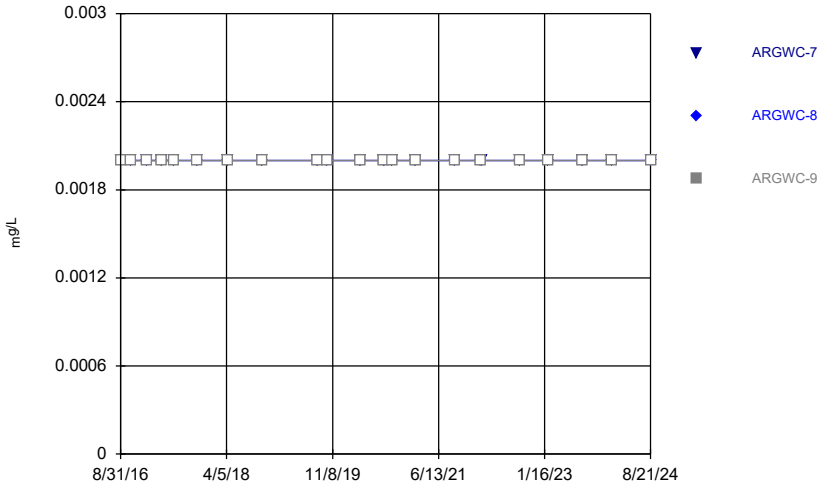
Time Series



Constituent: Thallium Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

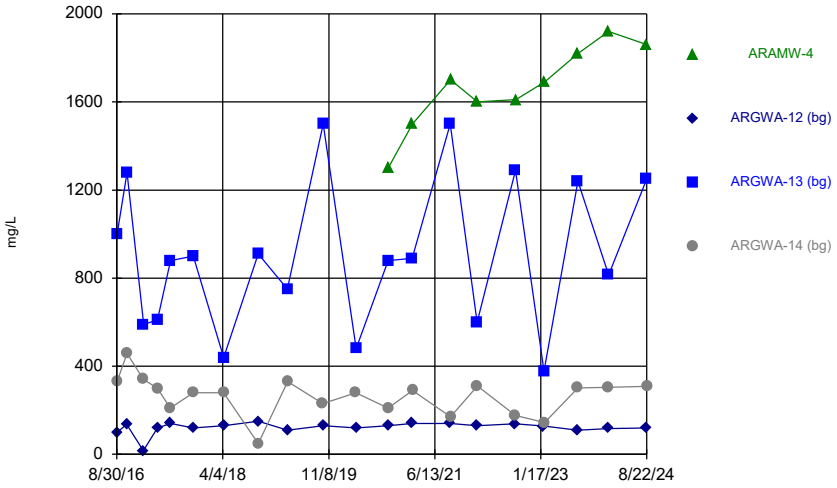
Time Series



Constituent: Thallium Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

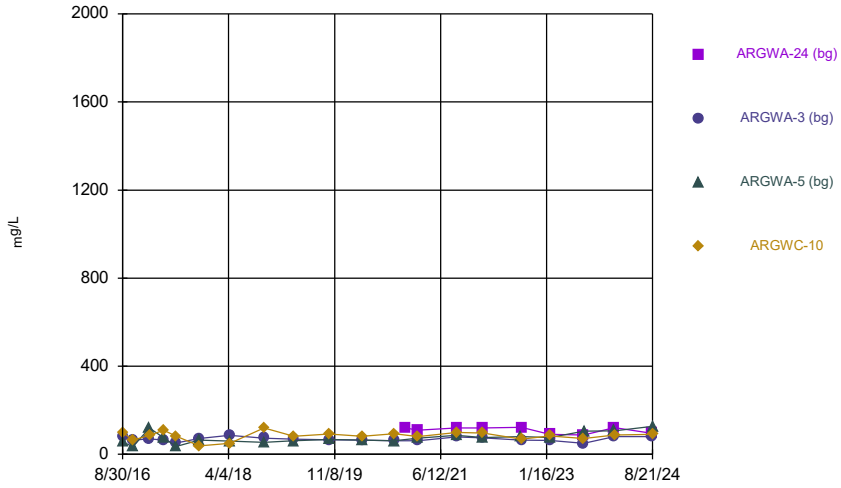
Time Series



Constituent: Total Dissolved Solids Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

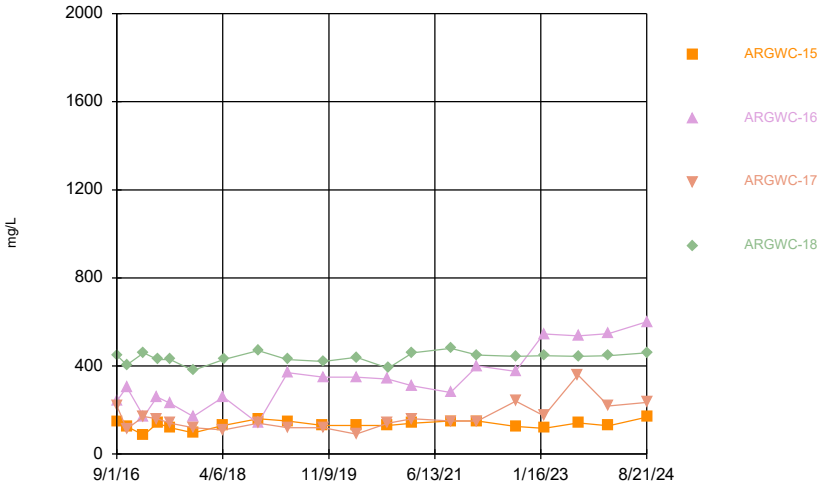
Time Series



Constituent: Total Dissolved Solids Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

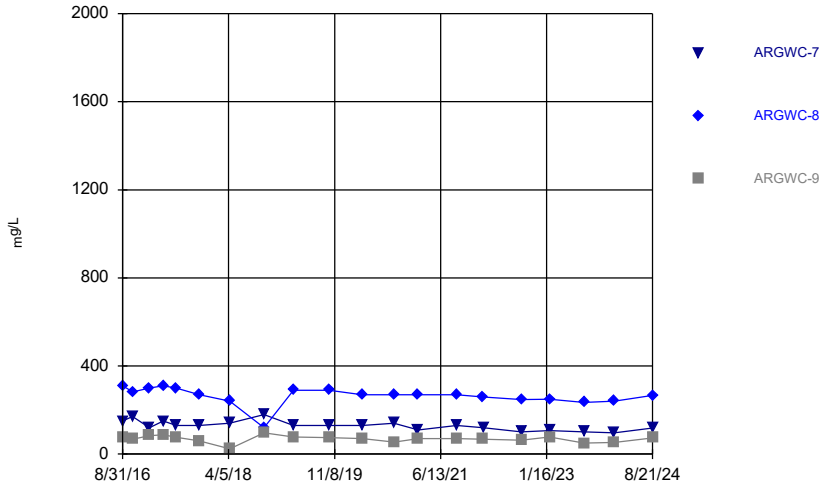
Time Series



Constituent: Total Dissolved Solids Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Time Series



Constituent: Total Dissolved Solids Analysis Run 10/3/2024 12:13 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		<0.003		
8/31/2016			<0.003	0.0017 (J)
10/24/2016		<0.003		
10/25/2016			<0.003	<0.003
1/23/2017		<0.003		<0.003
1/24/2017			<0.003	
4/11/2017		<0.003	<0.003	<0.003
6/20/2017				<0.003
6/21/2017		<0.003	<0.003	
10/25/2017		<0.003	<0.003	<0.003
4/9/2018			<0.003	<0.003
4/10/2018		<0.003		
10/16/2018		<0.003	<0.003	<0.003
8/19/2019			<0.003	
8/20/2019		<0.003		
8/21/2019				0.00064 (J)
10/7/2019				<0.003
10/8/2019		<0.003	<0.003	
4/6/2020				<0.003
4/7/2020		<0.003	<0.003	
8/18/2020		<0.003	<0.003	
8/19/2020				<0.003
8/20/2020	<0.003			
9/7/2021		<0.003	<0.003	
9/8/2021	<0.003			<0.003
2/1/2022		<0.003	<0.003	
2/2/2022	<0.003			<0.003
8/30/2022		<0.003		
8/31/2022			<0.003	<0.003
9/2/2022	<0.003			
2/2/2023		<0.003		
2/3/2023			<0.003	
2/7/2023	<0.003			<0.003
8/9/2023	<0.003	<0.003	0.00139 (J)	
8/10/2023				<0.003
1/24/2024				<0.003
1/25/2024	<0.003	<0.003	<0.003	
8/20/2024		<0.003		
8/21/2024	<0.003		0.00102 (J)	
8/22/2024				<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			<0.003	
8/31/2016		<0.003		
9/1/2016				<0.003
10/25/2016		<0.003	<0.003	<0.003
1/24/2017		<0.003	<0.003	
1/27/2017				<0.003
4/11/2017		<0.003	<0.003	
4/12/2017				<0.003
6/20/2017		<0.003	<0.003	
6/22/2017				<0.003
10/25/2017		<0.003	<0.003	
10/26/2017				<0.003
4/10/2018		<0.003	<0.003	
4/11/2018				<0.003
10/16/2018		<0.003	<0.003	
10/17/2018				<0.003
8/20/2019		<0.003	<0.003	
8/21/2019				<0.003
10/8/2019		<0.003	<0.003	
10/9/2019				<0.003
4/7/2020		<0.003	<0.003	
4/8/2020				0.00094 (J)
8/18/2020		<0.003	<0.003	
8/19/2020				<0.003
12/1/2020	<0.003			
2/9/2021	<0.003			
9/8/2021	<0.003	<0.003	<0.003	
9/10/2021				<0.003
2/1/2022	<0.003	<0.003	<0.003	
2/2/2022				<0.003
8/30/2022			<0.003	
8/31/2022	<0.003	<0.003		<0.003
2/2/2023	<0.003			<0.003
2/3/2023		<0.003	<0.003	
8/9/2023	<0.003	<0.003		<0.003
8/10/2023			<0.003	
1/24/2024	<0.003	<0.003	<0.003	
1/25/2024				<0.003
8/20/2024	<0.003	<0.003		
8/21/2024			<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		<0.003	<0.003	<0.003
9/2/2016	<0.003			
10/25/2016		<0.003	<0.003	
10/26/2016	<0.003			<0.003
1/26/2017	<0.003	<0.003	<0.003	
1/27/2017				<0.003
4/11/2017		<0.003	<0.003	
4/12/2017	<0.003			<0.003
6/21/2017	<0.003	<0.003	<0.003	<0.003
10/25/2017				<0.003
10/26/2017	<0.003	<0.003	<0.003	
4/10/2018	<0.003	<0.003	<0.003	
4/11/2018				<0.003
10/16/2018		<0.003		
10/17/2018	<0.003		<0.003	<0.003
8/20/2019		<0.003		
8/21/2019	<0.003		<0.003	<0.003
10/8/2019	<0.003			
10/9/2019		<0.003	<0.003	<0.003
4/8/2020	<0.003	<0.003	<0.003	
4/9/2020				<0.003
8/18/2020			<0.003	
8/19/2020	<0.003	<0.003		
8/20/2020				<0.003
9/8/2021	<0.003	<0.003	<0.003	
9/9/2021				<0.003
2/2/2022			<0.003	
2/3/2022	<0.003	<0.003		<0.003
8/31/2022	<0.003	<0.003		
9/2/2022			<0.003	<0.003
2/2/2023		<0.003		<0.003
2/3/2023	<0.003		<0.003	
8/9/2023			<0.003	
8/10/2023	<0.003	<0.003		<0.003
1/25/2024	<0.003	<0.003	<0.003	<0.003
8/21/2024	<0.003	<0.003	<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	<0.003	<0.003	<0.003
10/25/2016	0.0013 (J)		<0.003
10/26/2016		<0.003	
1/26/2017	<0.003	<0.003	<0.003
4/12/2017	<0.003	<0.003	<0.003
6/21/2017		<0.003	
6/22/2017	<0.003		<0.003
10/25/2017	<0.003		<0.003
10/26/2017		<0.003	
4/10/2018	<0.003		
4/11/2018		<0.003	<0.003
10/17/2018	<0.003	<0.003	<0.003
8/21/2019	<0.003	<0.003	<0.003
10/9/2019	<0.003	<0.003	0.00048 (J)
4/8/2020	<0.003		
4/9/2020		<0.003	<0.003
8/18/2020	<0.003		
8/19/2020			<0.003
8/20/2020		<0.003	
9/9/2021		<0.003	<0.003
9/10/2021	<0.003		
2/2/2022		<0.003	<0.003
2/3/2022	<0.003		
8/31/2022	<0.003	<0.003	<0.003
2/2/2023	<0.003	<0.003	<0.003
8/10/2023	<0.003	<0.003	<0.003
1/25/2024	<0.003	<0.003	<0.003
8/21/2024	<0.003	<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
5/6/2009		<0.005		
5/7/2009			0.0013	
12/3/2009		<0.005	<0.005	
5/25/2010		<0.005	<0.005	
6/2/2010				<0.005
11/9/2010		<0.005		
11/10/2010			<0.005	<0.005
5/19/2011				<0.005
5/24/2011		<0.005		
5/25/2011			<0.005	
11/9/2011				<0.005
11/10/2011		<0.005	<0.005	
5/18/2012		<0.005		
5/30/2012			<0.005	0.0026 (J)
11/9/2012		<0.005	<0.005	
11/11/2012				<0.005
5/8/2013		<0.005		
5/9/2013			<0.005	<0.005
11/6/2013		<0.005		
11/11/2013			<0.005	<0.005
5/20/2014		<0.005		
5/21/2014			<0.005	
5/29/2014				0.005 (J)
11/18/2014		<0.005	<0.005	
11/19/2014				<0.005
4/7/2015			<0.005	
4/14/2015		<0.005		<0.005
10/28/2015			<0.005	
10/29/2015		<0.005		
11/4/2015				<0.005
6/23/2016		<0.005	<0.005	0.0026
8/30/2016		<0.005		
8/31/2016			<0.005	0.0032
10/24/2016		<0.005		
10/25/2016			<0.005	<0.005
1/23/2017		<0.005		0.00088 (J)
1/24/2017			<0.005	
4/11/2017		0.00076 (J)	0.00063 (J)	0.00095 (J)
6/20/2017				0.00099 (J)
6/21/2017		<0.005	<0.005	
10/25/2017		<0.005	<0.005	<0.005
4/9/2018			<0.005	<0.005
4/10/2018		<0.005		
10/16/2018		<0.005	0.00055 (J)	0.00083 (J)
3/26/2019			0.00089 (J)	
3/27/2019		0.00049 (J)		0.0013
8/19/2019			0.00045 (J)	
8/20/2019		0.00046 (J)		
8/21/2019				0.0013
10/7/2019				0.00045 (J)
10/8/2019		<0.005	<0.005	
4/6/2020				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
4/7/2020		<0.005	<0.005	
8/18/2020		<0.005	<0.005	
8/19/2020				<0.005
8/20/2020	0.00034 (J)			
9/29/2020		<0.005	<0.005	0.00038 (J)
9/30/2020	0.00039 (J)			
2/9/2021		<0.005	<0.005	
2/10/2021	<0.005			
2/11/2021				<0.005
9/7/2021		<0.005	<0.005	
9/8/2021	<0.005			0.00034 (J)
2/1/2022		<0.005	<0.005	
2/2/2022	0.00035 (J)			0.00033 (J)
8/30/2022		<0.005		
8/31/2022			<0.005	<0.005
9/2/2022	0.00339 (J)			
2/2/2023		<0.005		
2/3/2023			<0.005	
2/7/2023	<0.005			<0.005
8/9/2023	0.00241 (J)	<0.005	<0.005	
8/10/2023				0.00349 (J)
1/24/2024				<0.005
1/25/2024	<0.005	<0.005	<0.005	
8/20/2024		<0.005		
8/21/2024	0.00219 (J)		<0.005	
8/22/2024				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
12/16/1997		0.002	<0.005	
6/30/1998		0.0006	<0.005	
12/2/1998		0.0007	<0.005	
6/8/1999		<0.005	<0.005	
12/7/1999		<0.005	<0.005	
6/15/2000		<0.005	<0.005	
12/12/2000		0.000475	0.00032	
12/5/2001		<0.005	0.0003	
6/26/2002		0.000431	0.000939	
12/3/2002		<0.005	<0.005	
6/11/2003		<0.005	<0.005	
12/10/2003		<0.005	<0.005	
6/15/2004		<0.005	<0.005	
12/14/2004		<0.005	<0.005	
6/2/2005		<0.005	<0.005	
12/14/2005		<0.005	<0.005	
4/5/2006		<0.005	<0.005	
10/30/2006		<0.005	<0.005	
5/10/2007		0.0044	<0.005	
11/17/2007		<0.005	<0.005	
5/3/2008		<0.005	<0.005	
10/22/2008		<0.005	<0.005	
5/6/2009			<0.005	
5/7/2009		0.0028		
5/13/2009				0.0042 (o)
12/1/2009			<0.005	
12/3/2009				<0.005
12/4/2009		<0.005		
5/25/2010			<0.005	
5/26/2010				<0.005
6/1/2010		<0.005		
11/9/2010			<0.005	<0.005
11/10/2010		<0.005		
5/19/2011				<0.005
5/24/2011			<0.005	
5/25/2011		<0.005		
11/10/2011			<0.005	
11/11/2011				<0.005
11/12/2011		<0.005		
5/17/2012				<0.005
5/18/2012			<0.005	
5/31/2012		<0.005		
11/9/2012			<0.005	<0.005
11/11/2012		<0.005		
5/7/2013				<0.005
5/8/2013			<0.005	
5/13/2013		<0.005		
11/6/2013			<0.005	<0.005
11/12/2013		<0.005		
5/20/2014			<0.005	<0.005
5/29/2014		<0.005		
11/17/2014			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
11/18/2014				<0.005
4/7/2015			<0.005	<0.005
4/14/2015		<0.005		
10/28/2015			<0.005	<0.005
11/3/2015		<0.005		
6/23/2016		<0.005	<0.005	<0.005
8/30/2016			<0.005	
8/31/2016		<0.005		
9/1/2016				<0.005
10/25/2016		<0.005	<0.005	<0.005
1/24/2017		<0.005	<0.005	
1/27/2017				<0.005
4/11/2017		0.00067 (J)	0.00077 (J)	
4/12/2017				<0.005
6/20/2017		0.00064 (J)	0.00052 (J)	
6/22/2017				<0.005
10/25/2017		<0.005	<0.005	
10/26/2017				<0.005
4/10/2018		<0.005	<0.005	
4/11/2018				<0.005
10/16/2018		<0.005	<0.005	
10/17/2018				<0.005
3/27/2019		0.00055 (J)	0.00055 (J)	
3/28/2019				0.0011 (J)
8/20/2019		0.00045 (J)	0.00058 (J)	
8/21/2019				0.0004 (J)
10/8/2019		<0.005	<0.005	
10/9/2019				0.0019
4/7/2020		<0.005	<0.005	
4/8/2020				<0.005
8/18/2020		<0.005	<0.005	
8/19/2020				<0.005
9/29/2020		<0.005	<0.005	
10/1/2020				<0.005
12/1/2020	<0.005			
2/9/2021	<0.005	<0.005	<0.005	<0.005
9/8/2021	<0.005	<0.005	<0.005	
9/10/2021				<0.005
2/1/2022	<0.005	<0.005	<0.005	
2/2/2022				<0.005
8/30/2022			<0.005	
8/31/2022	<0.005	<0.005		<0.005
2/2/2023	<0.005			<0.005
2/3/2023		<0.005	<0.005	
8/9/2023	<0.005	<0.005		<0.005
8/10/2023			0.00593	
1/24/2024	<0.005	<0.005	<0.005	
1/25/2024				<0.005
8/20/2024	<0.005	<0.005		
8/21/2024			<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
5/5/2009	<0.005			
5/12/2009		0.003 (o)	<0.005	0.0025 (o)
12/4/2009	<0.005		<0.005	<0.005
12/5/2009		<0.005		
5/25/2010			<0.005	<0.005
5/26/2010		<0.005		
6/1/2010	<0.005			
11/9/2010		<0.005	<0.005	
11/10/2010	<0.005			<0.005
5/19/2011				<0.005
5/24/2011		<0.005	<0.005	
5/25/2011	<0.005			
11/9/2011	<0.005			
11/12/2011		<0.005	<0.005	<0.005
5/17/2012				<0.005
5/30/2012		<0.005	<0.005	
5/31/2012	<0.005			
11/9/2012		<0.005	0.01 (o)	
11/10/2012	<0.005			<0.005
5/7/2013				<0.005
5/8/2013			<0.005	
5/13/2013	<0.005	<0.005		
11/5/2013				<0.005
11/6/2013		<0.005	<0.005	
11/12/2013	<0.005			
5/20/2014			<0.005	
5/21/2014		<0.005		
5/28/2014	<0.005			<0.005
11/17/2014		<0.005	<0.005	
11/19/2014				<0.005
11/20/2014	<0.005			
4/7/2015		<0.005	<0.005	
4/14/2015	<0.005			
4/15/2015				<0.005
10/28/2015		<0.005	<0.005	
10/29/2015				<0.005
11/3/2015	<0.005			
6/23/2016	<0.005			
6/24/2016		<0.005	<0.005	<0.005
9/1/2016		<0.005	<0.005	<0.005
9/2/2016	0.00062 (J)			
10/25/2016		<0.005	<0.005	
10/26/2016	<0.005			<0.005
1/26/2017	<0.005	<0.005	<0.005	
1/27/2017				<0.005
4/11/2017		0.00067 (J)	0.00084 (J)	
4/12/2017	<0.005			<0.005
6/21/2017	<0.005	<0.005	<0.005	<0.005
10/25/2017				<0.005
10/26/2017	<0.005	<0.005	0.00087 (J)	
4/10/2018	<0.005	<0.005	<0.005	
4/11/2018				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
10/16/2018		<0.005		
10/17/2018	<0.005		<0.005	0.00066 (J)
3/27/2019	<0.005			<0.005
3/28/2019		0.00057 (J)	<0.005	
8/20/2019		<0.005		
8/21/2019	0.00036 (J)		0.00044 (J)	0.00033 (J)
10/8/2019	<0.005			
10/9/2019		0.001	0.0015	0.0016
4/8/2020	<0.005	<0.005	<0.005	
4/9/2020				<0.005
8/18/2020			<0.005	
8/19/2020	<0.005	<0.005		
8/20/2020				<0.005
9/29/2020	<0.005	<0.005	<0.005	
9/30/2020				<0.005
2/9/2021	<0.005	<0.005	<0.005	
2/10/2021				<0.005
9/8/2021	<0.005	0.00031 (J)	0.00039 (J)	
9/9/2021				0.0004 (J)
2/2/2022			0.00044 (J)	
2/3/2022	<0.005	<0.005		<0.005
8/31/2022	<0.005	<0.005		
9/2/2022			<0.005	<0.005
2/2/2023		<0.005		<0.005
2/3/2023	<0.005		<0.005	
8/9/2023			<0.005	
8/10/2023	0.0024 (J)	0.00431 (J)		<0.005
1/25/2024	<0.005	<0.005	<0.005	<0.005
8/21/2024	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
12/14/2005	<0.005		
4/5/2006	<0.005		
10/30/2006	<0.005		
5/10/2007	<0.005		
11/17/2007	<0.005		
5/2/2008	<0.005		
10/22/2008	<0.005		
5/13/2009			0.0034 (o)
5/14/2009	<0.005	<0.005	
12/1/2009	<0.005		
12/3/2009		<0.005	<0.005
5/26/2010	<0.005	<0.005	<0.005
11/9/2010		<0.005	<0.005
11/10/2010	<0.005		
5/18/2011		<0.005	
5/19/2011			<0.005
5/25/2011	<0.005		
11/11/2011	<0.005	<0.005	<0.005
5/17/2012	<0.005	<0.005	<0.005
11/9/2012	<0.005	<0.005	<0.005
5/7/2013		<0.005	<0.005
5/8/2013	<0.005		
11/5/2013	<0.005	<0.005	
11/6/2013			<0.005
5/21/2014	<0.005	<0.005	<0.005
11/17/2014	<0.005		
11/18/2014		<0.005	<0.005
4/7/2015	<0.005	<0.005	<0.005
10/28/2015	<0.005	<0.005	<0.005
6/23/2016	<0.005	<0.005	<0.005
8/31/2016	<0.005	<0.005	<0.005
10/25/2016	<0.005		<0.005
10/26/2016		<0.005	
1/26/2017	<0.005	<0.005	<0.005
4/12/2017	0.00078 (J)	0.00072 (J)	<0.005
6/21/2017		<0.005	
6/22/2017	<0.005		<0.005
10/25/2017	<0.005		<0.005
10/26/2017		<0.005	
4/10/2018	<0.005		
4/11/2018		<0.005	<0.005
10/17/2018	<0.005	0.00063 (J)	<0.005
3/28/2019	<0.005	<0.005	0.00051 (J)
8/21/2019	<0.005	0.00036 (J)	<0.005
10/9/2019	0.0015	0.0014	0.0011
4/8/2020	<0.005		
4/9/2020		<0.005	<0.005
8/18/2020	<0.005		
8/19/2020			<0.005
8/20/2020		<0.005	
9/29/2020	<0.005		
10/1/2020		<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
2/10/2021	<0.005	<0.005	<0.005
9/9/2021		<0.005	<0.005
9/10/2021	<0.005		
2/2/2022		<0.005	<0.005
2/3/2022	<0.005		
8/31/2022	<0.005	<0.005	<0.005
2/2/2023	<0.005	<0.005	<0.005
8/10/2023	0.0048 (J)	0.00337 (J)	0.00457 (J)
1/25/2024	<0.005	<0.005	<0.005
8/21/2024	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
5/6/2009		0.065		
5/7/2009			0.068	
12/3/2009		0.062	0.044	
5/25/2010		0.038 (o)	0.049	
6/2/2010				0.046
11/9/2010		0.059		
11/10/2010			0.052	0.057
5/19/2011				0.048
5/24/2011		0.054		
5/25/2011			0.045	
11/9/2011				0.045
11/10/2011		0.063	0.11	
5/18/2012		0.0646		
5/30/2012			0.0831	0.0519
11/9/2012		0.081	0.13	
11/11/2012				0.051
5/8/2013		0.066		
5/9/2013			0.059	0.056
11/6/2013		0.074		
11/11/2013			0.12	0.041
5/20/2014		0.057		
5/21/2014			0.073	
5/29/2014				0.051
11/18/2014		0.069	0.072	
11/19/2014				0.051
4/7/2015			0.06	
4/14/2015		0.067		0.043
10/28/2015			0.057	
10/29/2015		0.069		
11/4/2015				0.042
6/23/2016		0.063	0.036	0.084
8/30/2016		0.062		
8/31/2016			0.041	0.076
10/24/2016		0.0674		
10/25/2016			0.0429	0.039
1/23/2017		0.069		0.044
1/24/2017			0.025	
4/11/2017		0.064	0.024	0.038
6/20/2017				0.057
6/21/2017		0.074	0.034	
10/25/2017		0.07	0.03	0.05
4/9/2018			0.023	0.049
4/10/2018		0.073		
10/16/2018		0.069	0.028	0.06
3/26/2019			0.029	
3/27/2019		0.063		0.054
8/19/2019			0.035	
8/20/2019		0.075		
8/21/2019				0.031
10/7/2019				0.033
10/8/2019		0.078	0.042	
4/6/2020				0.051

Time Series

Constituent: Barium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
4/7/2020		0.066	0.021	
8/18/2020		0.079	0.025	
8/19/2020				0.041
8/20/2020	0.053			
9/29/2020		0.079	0.024	0.062
9/30/2020	0.053			
2/9/2021		0.076	0.022	
2/10/2021	0.042			
2/11/2021				0.066
9/7/2021		0.073	0.031	
9/8/2021	0.037			0.037
2/1/2022		0.079	0.018	
2/2/2022	0.036			0.062
8/30/2022		0.085		
8/31/2022			0.0262	0.074
9/2/2022	0.0374			
2/2/2023		0.087		
2/3/2023			0.0166	
2/7/2023	0.0364			0.0376
8/9/2023	0.0372	0.1	0.0299	
8/10/2023				0.0465
1/24/2024				0.093
1/25/2024	0.0343	0.0833	0.0221	
8/20/2024		0.0701		
8/21/2024	0.0298		0.0218	
8/22/2024				0.0563

Time Series

Constituent: Barium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
12/16/1997		2.12 (o)	0.032	
6/30/1998		0.177	0.028	
12/2/1998		0.115	0.032	
6/8/1999		0.074	0.0287	
12/7/1999		0.043	0.034	
6/15/2000		0.113	0.034	
12/12/2000		0.059	0.027	
12/5/2001		0.052	0.027	
6/26/2002		0.087	0.032	
12/3/2002		0.043	0.023	
6/11/2003		0.24	0.04	
12/10/2003		0.03	0.024	
6/15/2004		0.028	0.021	
12/14/2004		0.017	0.025	
6/2/2005		0.019	0.025	
12/14/2005		0.02	0.026	
4/5/2006		0.019	0.027	
10/30/2006		<0.001 (o)	0.027	
5/10/2007		0.017	0.024	
11/17/2007		0.015	0.026	
5/3/2008		0.017	0.022	
10/22/2008		0.11	0.027	
5/6/2009			0.023	
5/7/2009		0.13		
5/13/2009				0.15 (o)
12/1/2009			0.033	
12/3/2009				0.03
12/4/2009		0.019		
5/25/2010			0.03	
5/26/2010				0.029
6/1/2010		0.027		
11/9/2010			0.033	0.029
11/10/2010		0.025		
5/19/2011				0.027
5/24/2011			0.027	
5/25/2011		0.015		
11/10/2011			0.032	
11/11/2011				0.031
11/12/2011		0.021		
5/17/2012				0.0299
5/18/2012			0.0311	
5/31/2012		0.0222		
11/9/2012			0.034	0.03
11/11/2012		0.022		
5/7/2013				0.028
5/8/2013			0.026	
5/13/2013		0.019		
11/6/2013			0.028	0.033
11/12/2013		0.025		
5/20/2014			0.027	0.029
5/29/2014		0.024		
11/17/2014			0.029	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
11/18/2014				0.029
4/7/2015			0.024	0.028
4/14/2015		0.022		
10/28/2015			0.028	0.029
11/3/2015		0.022		
6/23/2016		0.019	0.025	0.028
8/30/2016			0.026	
8/31/2016		0.018		
9/1/2016				0.027
10/25/2016		0.016	0.0293	0.0296
1/24/2017		0.017	0.028	
1/27/2017				0.035
4/11/2017		0.016	0.024	
4/12/2017				0.031
6/20/2017		0.02	0.027	
6/22/2017				0.035
10/25/2017		0.019	0.03	
10/26/2017				0.032
4/10/2018		0.019	0.028	
4/11/2018				0.034
10/16/2018		0.018	0.027	
10/17/2018				0.031
3/27/2019		0.019	0.024	
3/28/2019				0.031
8/20/2019		0.02	0.029	
8/21/2019				0.035
10/8/2019		0.02	0.03	
10/9/2019				0.031
4/7/2020		0.018	0.02	
4/8/2020				0.031
8/18/2020		0.021	0.031	
8/19/2020				0.034
9/29/2020		0.019	0.03	
10/1/2020				0.032
12/1/2020	0.038			
2/9/2021	0.036	0.017	0.028	0.031
9/8/2021	0.039	0.018	0.033	
9/10/2021				0.031
2/1/2022	0.04	0.018	0.033	
2/2/2022				0.034
8/30/2022			0.0446	
8/31/2022	0.0412	0.0181		0.0345
2/2/2023	0.0392			0.034
2/3/2023		0.0177	0.0484	
8/9/2023	0.039	0.0191		0.0363
8/10/2023			0.0638	
1/24/2024	0.0369	0.0178	0.0621	
1/25/2024				0.0373
8/20/2024	0.0344	0.0172		
8/21/2024			0.0756	0.0328

Time Series

Constituent: Barium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
5/5/2009	0.042			
5/12/2009		0.16 (o)	0.048	0.055
12/4/2009	0.051		0.055	0.036
12/5/2009		0.062		
5/25/2010			0.063	0.033
5/26/2010		0.065		
6/1/2010	0.055			
11/9/2010		0.065	0.11	
11/10/2010	0.041			0.038
5/19/2011				0.028
5/24/2011		0.062	0.11	
5/25/2011	0.035			
11/9/2011	0.035			
11/12/2011		0.067	0.086	0.092 (o)
5/17/2012				0.0427
5/30/2012		0.0767	0.0586	
5/31/2012	0.0372			
11/9/2012		0.093	0.4 (o)	
11/10/2012	0.044			0.038
5/7/2013				0.03
5/8/2013			0.054	
5/13/2013	0.2 (o)	0.093		
11/5/2013				0.087 (o)
11/6/2013		0.068	0.043	
11/12/2013	0.035			
5/20/2014			0.051	
5/21/2014		0.072		
5/28/2014	0.038			0.032
11/17/2014		0.05	0.049	
11/19/2014				0.058
11/20/2014	0.037			
4/7/2015		0.055	0.043	
4/14/2015	0.035			
4/15/2015				0.039
10/28/2015		0.054	0.047	
10/29/2015				0.04
11/3/2015	0.038			
6/23/2016	0.028			
6/24/2016		0.056	0.044	0.034
9/1/2016		0.051	0.046	0.033
9/2/2016	0.074			
10/25/2016		0.0637	0.0436	
10/26/2016	0.0408			0.0339
1/26/2017	0.038	0.055	0.051	
1/27/2017				0.037
4/11/2017		0.055	0.043	
4/12/2017	0.03			0.032
6/21/2017	0.028	0.054	0.043	0.036
10/25/2017				0.041
10/26/2017	0.029	0.046	0.038	
4/10/2018	0.032	0.056	0.046	
4/11/2018				0.04

Time Series

Constituent: Barium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
10/16/2018		0.039		
10/17/2018	0.028		0.043	0.039
3/27/2019	0.032			0.033
3/28/2019		0.054	0.045	
8/20/2019		0.046		
8/21/2019	0.033		0.05	0.036
10/8/2019	0.031			
10/9/2019		0.057	0.049	0.039
4/8/2020	0.03	0.042	0.045	
4/9/2020				0.041
8/18/2020			0.062	
8/19/2020	0.028	0.045		
8/20/2020				0.041
9/29/2020	0.03	0.042	0.056	
9/30/2020				0.041
2/9/2021	0.029	0.044	0.051	
2/10/2021				0.038
9/8/2021	0.043	0.035	0.058	
9/9/2021				0.046
2/2/2022			0.062	
2/3/2022	0.03	0.047		0.043
8/31/2022	0.0325	0.0383		
9/2/2022			0.0727	0.0369
2/2/2023		0.0468		0.0387
2/3/2023	0.0287		0.0572	
8/9/2023			0.0861	
8/10/2023	0.037	0.0381		0.0415
1/25/2024	0.0325	0.0476	0.0519	0.0404
8/21/2024	0.039	0.0349	0.048	0.0355

Time Series

Constituent: Barium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
12/14/2005	0.027		
4/5/2006	0.029		
10/30/2006	0.028		
5/10/2007	0.025		
11/17/2007	0.026		
5/2/2008	0.026		
10/22/2008	0.033		
5/13/2009			0.14 (o)
5/14/2009	0.035	0.039	
12/1/2009	0.031		
12/3/2009		0.036	0.032
5/26/2010	0.025	0.036	0.031
11/9/2010		0.038	0.03
11/10/2010	0.027		
5/18/2011		0.032	
5/19/2011			0.028
5/25/2011	0.022		
11/11/2011	0.027	0.036	0.032
5/17/2012	0.0265	0.0353	0.0319
11/9/2012	0.028	0.038	0.036
5/7/2013		0.037	0.035
5/8/2013	0.026		
11/5/2013	0.027	0.037	
11/6/2013			0.043
5/21/2014	0.028	0.037	0.042
11/17/2014	0.031		
11/18/2014		0.038	0.044
4/7/2015	0.029	0.045	0.043
10/28/2015	0.032	0.042	0.045
6/23/2016	0.031	0.039	0.043
8/31/2016	0.03	0.037	0.042
10/25/2016	0.0317		0.0455
10/26/2016		0.0423	
1/26/2017	0.035	0.046	0.048
4/12/2017	0.034	0.041	0.045
6/21/2017		0.049	
6/22/2017	0.038		0.055
10/25/2017	0.038		0.049
10/26/2017		0.046	
4/10/2018	0.038		
4/11/2018		0.048	0.052
10/17/2018	0.038	0.045	0.046
3/28/2019	0.038	0.045	0.047
8/21/2019	0.041	0.052	0.045
10/9/2019	0.046	0.049	0.041
4/8/2020	0.039		
4/9/2020		0.045	0.044
8/18/2020	0.044		
8/19/2020			0.046
8/20/2020		0.053	
9/29/2020	0.042		
10/1/2020		0.052	0.045

Time Series

Constituent: Barium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
2/10/2021	0.041	0.049	0.038
9/9/2021		0.051	0.038
9/10/2021	0.045		
2/2/2022		0.059	0.04
2/3/2022	0.051		
8/31/2022	0.0505	0.0571	0.0391
2/2/2023	0.0518	0.0554	0.0391
8/10/2023	0.054	0.0603	0.0401
1/25/2024	0.0563	0.0641	0.0414
8/21/2024	0.0473	0.0585	0.0363

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		<0.0005		
8/31/2016			<0.0005	<0.0005
10/24/2016		<0.0005		
10/25/2016			<0.0005	<0.0005
1/23/2017		<0.0005		<0.0005
1/24/2017			<0.0005	
4/11/2017		<0.0005	<0.0005	<0.0005
6/20/2017				<0.0005
6/21/2017		<0.0005	<0.0005	
10/25/2017		<0.0005	<0.0005	<0.0005
4/9/2018			<0.0005	<0.0005
4/10/2018		<0.0005		
10/16/2018		<0.0005	<0.0005	<0.0005
8/19/2019			<0.0005	
8/20/2019		<0.0005		
8/21/2019				<0.0005
10/7/2019				<0.0005
10/8/2019		<0.0005	<0.0005	
4/6/2020				<0.0005
4/7/2020		<0.0005	<0.0005	
8/18/2020		<0.0005	<0.0005	
8/19/2020				<0.0005
8/20/2020	<0.0005			
9/29/2020		<0.0005	<0.0005	<0.0005
9/30/2020	<0.0005			
2/9/2021		<0.0005	<0.0005	
2/10/2021	<0.0005			
2/11/2021				<0.0005
9/7/2021		<0.0005	<0.0005	
9/8/2021	<0.0005			<0.0005
2/1/2022		<0.0005	<0.0005	
2/2/2022	<0.0005			<0.0005
8/30/2022		<0.0005		
8/31/2022			<0.0005	<0.0005
9/2/2022	<0.0005			
2/2/2023		<0.0005		
2/3/2023			<0.0005	
2/7/2023	<0.0005			<0.0005
8/9/2023	<0.0005	<0.0005	<0.0005	
8/10/2023				<0.0005
1/24/2024				<0.0005
1/25/2024	<0.0005	<0.0005	<0.0005	
8/20/2024		<0.0005		
8/21/2024	<0.0005		<0.0005	
8/22/2024				<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			<0.0005	
8/31/2016		<0.0005		
9/1/2016				<0.0005
10/25/2016		<0.0005	<0.0005	<0.0005
1/24/2017		<0.0005	<0.0005	
1/27/2017				<0.0005
4/11/2017		<0.0005	<0.0005	
4/12/2017				<0.0005
6/20/2017		<0.0005	<0.0005	
6/22/2017				<0.0005
10/25/2017		<0.0005	<0.0005	
10/26/2017				<0.0005
4/10/2018		<0.0005	<0.0005	
4/11/2018				<0.0005
10/16/2018		<0.0005	<0.0005	
10/17/2018				<0.0005
8/20/2019		0.00025 (J)	0.00035 (J)	
8/21/2019				<0.0005
10/8/2019		<0.0005	0.00041 (J)	
10/9/2019				<0.0005
4/7/2020		<0.0005	<0.0005	
4/8/2020				<0.0005
8/18/2020		<0.0005	<0.0005	
8/19/2020				<0.0005
9/29/2020		<0.0005	<0.0005	
10/1/2020				<0.0005
12/1/2020	<0.0005			
2/9/2021	<0.0005	<0.0005	<0.0005	<0.0005
9/8/2021	<0.0005	<0.0005	<0.0005	
9/10/2021				<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005	
2/2/2022				<0.0005
8/30/2022			<0.0005	
8/31/2022	<0.0005	<0.0005		<0.0005
2/2/2023	<0.0005			<0.0005
2/3/2023		<0.0005	<0.0005	
8/9/2023	<0.0005	<0.0005		<0.0005
8/10/2023			<0.0005	
1/24/2024	<0.0005	<0.0005	<0.0005	
1/25/2024				<0.0005
8/20/2024	<0.0005	<0.0005		
8/21/2024			<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		<0.0005	0.00034 (J)	<0.0005
9/2/2016	<0.0005			
10/25/2016		<0.0005	0.0002 (J)	
10/26/2016	<0.0005			<0.0005
1/26/2017	<0.0005	<0.0005	<0.0025	
1/27/2017				<0.0005
4/11/2017		<0.0005	<0.0025	
4/12/2017	<0.0005			<0.0005
6/21/2017	<0.0005	<0.0005	<0.0025	<0.0005
10/25/2017				<0.0005
10/26/2017	<0.0005	<0.0005	<0.0025	
4/10/2018	<0.0005	<0.0005	<0.0025	
4/11/2018				<0.0005
10/16/2018		<0.0005		
10/17/2018	<0.0005		<0.0025	<0.0005
8/20/2019		<0.0005		
8/21/2019	<0.0005		0.00025 (J)	<0.0005
10/8/2019	<0.0005			
10/9/2019		0.00027 (J)	0.00076 (J)	0.00034 (J)
4/8/2020	<0.0005	<0.0005	0.00025 (J)	
4/9/2020				<0.0005
8/18/2020			0.00039 (J)	
8/19/2020	<0.0005	<0.0005		
8/20/2020				<0.0005
9/29/2020	<0.0005	<0.0005	0.0004 (J)	
9/30/2020				<0.0005
2/9/2021	<0.0005	<0.0005	<0.0025	
2/10/2021				<0.0005
9/8/2021	<0.0005	<0.0005	0.00037 (J)	
9/9/2021				<0.0005
2/2/2022			0.00051 (J)	
2/3/2022	<0.0005	<0.0005		<0.0005
8/31/2022	<0.0005	<0.0005		
9/2/2022			0.000417 (J)	<0.0005
2/2/2023		<0.0005		<0.0005
2/3/2023	<0.0005		0.00044 (J)	
8/9/2023			0.00049 (J)	
8/10/2023	<0.0005	<0.0005		<0.0005
1/25/2024	<0.0005	<0.0005	0.000379 (J)	<0.0005
8/21/2024	<0.0005	<0.0005	0.000344 (J)	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	<0.0005	<0.0005	<0.0005
10/25/2016	0.0001 (J)		<0.0005
10/26/2016		<0.0005	
1/26/2017	<0.0005	<0.0005	<0.0005
4/12/2017	<0.0005	<0.0005	<0.0005
6/21/2017		<0.0005	
6/22/2017	<0.0005		<0.0005
10/25/2017	<0.0005		<0.0005
10/26/2017		<0.0005	
4/10/2018	<0.0005		
4/11/2018		<0.0005	<0.0005
10/17/2018	<0.0005	<0.0005	<0.0005
8/21/2019	<0.0005	<0.0005	<0.0005
10/9/2019	0.00041 (J)	0.00047 (J)	0.00037 (J)
4/8/2020	<0.0005		
4/9/2020		<0.0005	<0.0005
8/18/2020	<0.0005		
8/19/2020			<0.0005
8/20/2020		<0.0005	
9/29/2020	<0.0005		
10/1/2020		<0.0005	<0.0005
2/10/2021	<0.0005	<0.0005	<0.0005
9/9/2021		<0.0005	<0.0005
9/10/2021	<0.0005		
2/2/2022		<0.0005	<0.0005
2/3/2022	<0.0005		
8/31/2022	<0.0005	<0.0005	<0.0005
2/2/2023	<0.0005	<0.0005	<0.0005
8/10/2023	<0.0005	<0.0005	<0.0005
1/25/2024	<0.0005	<0.0005	<0.0005
8/21/2024	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		0.032 (J)		
8/31/2016			0.1	0.04 (J)
10/24/2016		0.0406 (J)		
10/25/2016			0.204	0.065 (J)
1/23/2017		0.023 (J)		0.031 (J)
1/24/2017			0.064	
4/11/2017		0.025 (J)	0.081	0.043 (J)
6/20/2017				0.029 (J)
6/21/2017		<0.08	0.13	
10/25/2017		0.028 (J)	0.17	0.041 (J)
4/9/2018			0.059	0.04 (J)
4/10/2018		0.027 (J)		
10/16/2018		0.023 (J)	0.34	0.046 (J)
3/26/2019			0.32	
3/27/2019		<0.08		0.032 (J)
10/7/2019				<0.08
10/8/2019		<0.08	0.68	
1/15/2020	0.32			
4/6/2020				0.041 (J)
4/7/2020		<0.08	0.23	
6/24/2020	0.4			
6/25/2020			0.32	<0.08
6/26/2020		<0.08		
9/29/2020		<0.08	0.35	0.039 (J)
9/30/2020	0.36			
2/9/2021		<0.08	0.38	
2/10/2021	0.4			
2/11/2021				0.062 (J)
9/7/2021		<0.08	0.96	
9/8/2021	0.45			<0.08
2/1/2022		<0.08	0.3	
2/2/2022	0.43			<0.08
8/30/2022		0.0214		
8/31/2022			0.933	0.0356
9/2/2022	0.477			
2/2/2023		0.0179		
2/3/2023			0.26	
2/7/2023	0.495			0.0145 (J)
8/9/2023	0.523	0.0235	1.06	
8/10/2023				0.0372
1/24/2024				0.0605
1/25/2024	0.698	0.0208	0.713	
8/20/2024		0.0106 (J)		
8/21/2024	0.693		1.11	
8/22/2024				0.0311

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			<0.08	
8/31/2016		<0.015		
9/1/2016				<0.015
10/25/2016		0.0068 (J)	0.0073 (J)	<0.015
1/24/2017		<0.015	<0.08	
1/27/2017				<0.015
4/11/2017		<0.015	<0.08	
4/12/2017				<0.015
6/20/2017		<0.015	<0.08	
6/22/2017				<0.015
10/25/2017		<0.015	<0.08	
10/26/2017				0.026 (J)
4/10/2018		<0.015	<0.08	
4/11/2018				<0.015
10/16/2018		<0.015	<0.08	
10/17/2018				<0.015
3/27/2019		<0.015	<0.08	
3/28/2019				<0.015
10/8/2019		<0.015	<0.08	
10/9/2019				<0.015
4/7/2020		<0.015	<0.08	
4/8/2020				<0.015
6/23/2020				0.053 (J)
6/25/2020		<0.015	<0.08	
9/29/2020		<0.015	<0.08	
10/1/2020				0.082
12/1/2020	<0.08			
2/9/2021	<0.08	<0.015	<0.08	<0.015
9/8/2021	<0.08	<0.015	<0.08	
9/10/2021				<0.015
2/1/2022	<0.08	<0.015	<0.08	
2/2/2022				<0.015
8/30/2022			0.00855	
8/31/2022	0.0151	0.00589		0.00863
2/2/2023	0.014 (J)			0.00561 (J)
2/3/2023		<0.015	0.0066 (J)	
8/9/2023	0.0117 (J)	0.00594 (J)		<0.015
8/10/2023			0.0139 (J)	
1/24/2024	0.0133 (J)	0.00554 (J)	0.00641 (J)	
1/25/2024				0.00819 (J)
8/20/2024	0.00663 (J)	<0.015		
8/21/2024			0.00762 (J)	0.00605 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		0.049 (J)	0.022 (J)	2.4
9/2/2016	<0.08			
10/25/2016		0.042 (J)	0.0219 (J)	
10/26/2016	0.0138 (J)			1.97
1/26/2017	<0.08	0.059	<0.08	
1/27/2017				2.6
4/11/2017		0.045 (J)	<0.08	
4/12/2017	<0.08			2.4
6/21/2017	<0.08	0.045 (J)	<0.08	2.2
10/25/2017				2.5
10/26/2017	<0.08	0.054	0.023 (J)	
4/10/2018	<0.08	0.048 (J)	0.026 (J)	
4/11/2018				2.7
10/16/2018		0.048 (J)		
10/17/2018	<0.08		<0.08	2.2
3/27/2019	<0.08			2.3
3/28/2019		0.08	0.022 (J)	
10/8/2019	<0.08			
10/9/2019		0.065 (J)	<0.08	2.1
4/8/2020	<0.08	0.059 (J)	<0.08	
4/9/2020				2.3
6/24/2020		0.11	0.059 (J)	2.2
6/25/2020	<0.08			
9/29/2020	<0.08	0.081	0.045 (J)	
9/30/2020				2.6
2/9/2021	<0.08	0.076 (J)	0.042 (J)	
2/10/2021				2.4
9/8/2021	<0.08	0.13	0.074 (J)	
9/9/2021				2.4
2/2/2022			0.11	
2/3/2022	<0.08	0.13		2.4
8/31/2022	0.0137	0.101		
9/2/2022			0.0555	2.53
2/2/2023		0.194		2.61
2/3/2023	0.0113 (J)		0.051	
8/9/2023			0.0534	
8/10/2023	0.00806 (J)	0.224		2.54
1/25/2024	0.0125 (J)	0.37	0.059	2.43
8/21/2024	0.0103 (J)	0.449	0.0575	2.47

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	0.14	1.3	<0.08
10/25/2016	0.126		0.0071 (J)
10/26/2016		1.14	
1/26/2017	0.14	1.5	<0.08
4/12/2017	0.12	1.3	<0.08
6/21/2017		1.3	
6/22/2017	0.11		<0.08
10/25/2017	0.12		<0.08
10/26/2017		1.5	
4/10/2018	0.1		
4/11/2018		1	<0.08
10/17/2018	0.084	1.3	<0.08
3/28/2019	0.087	1.3	0.044 (J)
10/9/2019	0.076 (J)	1.2	<0.08
4/8/2020	0.086		
4/9/2020		1.1	<0.08
6/23/2020		1.1	
6/25/2020	0.091		
6/26/2020			<0.08
9/29/2020	0.078 (J)		
10/1/2020		1.2	0.041 (J)
2/10/2021	0.1	1.3	0.06 (J)
9/9/2021		1.2	<0.08
9/10/2021	0.093		
2/2/2022		1.1	<0.08
2/3/2022	0.13		
8/31/2022	0.0815	1.05	0.00885
2/2/2023	0.0773	1.04	0.00794 (J)
8/10/2023	0.116	0.98	0.00623 (J)
1/25/2024	0.076	1.07	0.0114 (J)
8/21/2024	0.0724	0.877	0.0066 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
5/6/2009		<0.001		
5/7/2009			<0.001	
12/3/2009		<0.001	<0.001	
5/25/2010		<0.001	<0.001	
6/2/2010				<0.001
11/9/2010		<0.001		
11/10/2010			<0.001	<0.001
5/19/2011				<0.001
5/24/2011		<0.001		
5/25/2011			<0.001	
11/9/2011				<0.001
11/10/2011		<0.001	<0.001	
5/18/2012		<0.001		
5/30/2012			<0.001	<0.001
11/9/2012		<0.001	<0.001	
11/11/2012				<0.001
5/8/2013		<0.001		
5/9/2013			<0.001	<0.001
11/6/2013		<0.001		
11/11/2013			<0.001	<0.001
5/20/2014		<0.001		
5/21/2014			<0.001	
5/29/2014				<0.001
11/18/2014		<0.001	<0.001	
11/19/2014				<0.001
4/7/2015			<0.001	
4/14/2015		0.00026		<0.001
10/28/2015			<0.001	
10/29/2015		<0.001		
11/4/2015				<0.001
6/23/2016		<0.001	<0.001	<0.001
8/30/2016		<0.001		
8/31/2016			<0.001	0.00039 (J)
10/24/2016		<0.001		
10/25/2016			<0.001	<0.001
1/23/2017		<0.001		<0.001
1/24/2017			<0.001	
4/11/2017		<0.001	<0.001	<0.001
6/20/2017				<0.001
6/21/2017		<0.001	<0.001	
10/25/2017		<0.001	<0.001	<0.001
4/9/2018			<0.001	0.00052 (J)
4/10/2018		<0.001		
10/16/2018		<0.001	<0.001	0.00071 (J)
3/26/2019			<0.001	
3/27/2019		<0.001		<0.001
8/19/2019			<0.001	
8/20/2019		<0.001		
8/21/2019				0.00015 (J)
10/7/2019				<0.001
10/8/2019		<0.001	<0.001	
4/6/2020				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
4/7/2020		<0.001	<0.001	
8/18/2020		<0.001	<0.001	
8/19/2020				<0.001
8/20/2020	<0.001			
2/9/2021		<0.001	<0.001	
2/10/2021	<0.001			
2/11/2021				<0.001
9/7/2021		<0.001	<0.001	
9/8/2021	<0.001			<0.001
2/1/2022		<0.001	<0.001	
2/2/2022	0.00023 (J)			<0.001
8/30/2022		<0.001		
8/31/2022			<0.001	<0.001
9/2/2022	<0.001			
2/2/2023		<0.001		
2/3/2023			<0.001	
2/7/2023	<0.001			<0.001
8/9/2023	<0.001	<0.001	<0.001	
8/10/2023				<0.001
1/24/2024				<0.001
1/25/2024	<0.001	<0.001	<0.001	
8/20/2024		<0.001		
8/21/2024	0.000451 (J)		<0.001	
8/22/2024				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
12/16/1997		0.103 (o)	<0.001	
6/30/1998		0.007 (o)	<0.001	
12/2/1998		0.007 (o)	<0.001	
6/8/1999		<0.001	<0.001	
12/7/1999		<0.001	<0.001	
6/15/2000		<0.001	<0.001	
12/12/2000		<0.001	<0.001	
12/5/2001		0.002	<0.001	
6/26/2002		0.003	<0.001	
12/3/2002		<0.001	<0.001	
6/11/2003		0.0043	<0.001	
12/10/2003		<0.001	<0.001	
6/15/2004		<0.001	<0.001	
12/14/2004		<0.001	0.0012	
6/2/2005		<0.001	<0.001	
12/14/2005		<0.001	<0.001	
4/5/2006		<0.001	<0.001	
10/30/2006		<0.001	<0.001	
5/10/2007		<0.001	<0.001	
11/17/2007		<0.001	<0.001	
5/3/2008		0.00033	<0.001	
10/22/2008		<0.001	<0.001	
5/6/2009			<0.001	
5/7/2009		<0.001		
5/13/2009				<0.001
12/1/2009			<0.001	
12/3/2009				<0.001
12/4/2009		<0.001		
5/25/2010			<0.001	
5/26/2010				<0.001
6/1/2010		<0.001		
11/9/2010			<0.001	<0.001
11/10/2010		<0.001		
5/19/2011				<0.001
5/24/2011			<0.001	
5/25/2011		<0.001		
11/10/2011			<0.001	
11/11/2011				<0.001
11/12/2011		<0.001		
5/17/2012				<0.001
5/18/2012			<0.001	
5/31/2012		<0.001		
11/9/2012			<0.001	<0.001
11/11/2012		<0.001		
5/7/2013				<0.001
5/8/2013			<0.001	
5/13/2013		<0.001		
11/6/2013			<0.001	<0.001
11/12/2013		<0.001		
5/20/2014			<0.001	<0.001
5/29/2014		<0.001		
11/17/2014			<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
11/18/2014				<0.001
4/7/2015			<0.001	<0.001
4/14/2015		<0.001		
10/28/2015			<0.001	<0.001
11/3/2015		<0.001		
6/23/2016		<0.001	<0.001	<0.001
8/30/2016			<0.001	
8/31/2016		<0.001		
9/1/2016				<0.001
10/25/2016		<0.001	<0.001	<0.001
1/24/2017		<0.001	<0.001	
1/27/2017				<0.001
4/11/2017		<0.001	<0.001	
4/12/2017				<0.001
6/20/2017		<0.001	<0.001	
6/22/2017				<0.001
10/25/2017		<0.001	<0.001	
10/26/2017				<0.001
4/10/2018		<0.001	<0.001	
4/11/2018				<0.001
10/16/2018		<0.001	<0.001	
10/17/2018				<0.001
3/27/2019		<0.001	<0.001	
3/28/2019				<0.001
8/20/2019		0.00014 (J)	<0.001	
8/21/2019				<0.001
10/8/2019		<0.001	<0.001	
10/9/2019				<0.001
4/7/2020		<0.001	<0.001	
4/8/2020				<0.001
8/18/2020		<0.001	<0.001	
8/19/2020				<0.001
12/1/2020	<0.001			
2/9/2021	<0.001	<0.001	<0.001	<0.001
9/8/2021	<0.001	<0.001	<0.001	
9/10/2021				<0.001
2/1/2022	<0.001	<0.001	<0.001	
2/2/2022				<0.001
8/30/2022			<0.001	
8/31/2022	<0.001	<0.001		<0.001
2/2/2023	<0.001			<0.001
2/3/2023		<0.001	<0.001	
8/9/2023	<0.001	<0.001		<0.001
8/10/2023			<0.001	
1/24/2024	<0.001	<0.001	<0.001	
1/25/2024				<0.001
8/20/2024	<0.001	<0.001		
8/21/2024			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
5/5/2009	<0.001			
5/12/2009		<0.001	<0.001	<0.001
12/4/2009	<0.001		<0.001	<0.001
12/5/2009		<0.001		
5/25/2010			<0.001	<0.001
5/26/2010		<0.001		
6/1/2010	<0.001			
11/9/2010		<0.001	<0.001	
11/10/2010	<0.001			<0.001
5/19/2011				<0.001
5/24/2011		<0.001	<0.001	
5/25/2011	<0.001			
11/9/2011	<0.001			
11/12/2011		<0.001	<0.001	<0.001
5/17/2012				<0.001
5/30/2012		<0.001	<0.001	
5/31/2012	<0.001			
11/9/2012		<0.001	0.0015	
11/10/2012	<0.001			<0.001
5/7/2013				<0.001
5/8/2013			<0.001	
5/13/2013	<0.001	<0.001		
11/5/2013				<0.001
11/6/2013		<0.001	<0.001	
11/12/2013	<0.001			
5/20/2014			<0.001	
5/21/2014		<0.001		
5/28/2014	0			<0.001
11/17/2014		<0.001	<0.001	
11/19/2014				<0.001
11/20/2014	<0.001			
4/7/2015		<0.001	<0.001	
4/14/2015	<0.001			
4/15/2015				<0.001
10/28/2015		<0.001	<0.001	
10/29/2015				<0.001
11/3/2015	<0.001			
6/23/2016	<0.001			
6/24/2016		<0.001	<0.001	<0.001
9/1/2016		<0.001	<0.001	<0.001
9/2/2016	<0.001			
10/25/2016		0.0001 (J)	0.0001 (J)	
10/26/2016	<0.001			<0.001
1/26/2017	<0.001	<0.001	<0.001	
1/27/2017				<0.001
4/11/2017		<0.001	<0.001	
4/12/2017	<0.001			<0.001
6/21/2017	<0.001	<0.001	<0.001	<0.001
10/25/2017				<0.001
10/26/2017	<0.001	<0.001	<0.001	
4/10/2018	<0.001	<0.001	<0.001	
4/11/2018				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
10/16/2018		<0.001		
10/17/2018	<0.001		<0.001	<0.001
3/27/2019	<0.001			<0.001
3/28/2019		<0.001	<0.001	
8/20/2019		<0.001		
8/21/2019	<0.001		0.00013 (J)	<0.001
10/8/2019	<0.001			
10/9/2019		<0.001	0.00018 (J)	<0.001
4/8/2020	<0.001	<0.001	<0.001	
4/9/2020				<0.001
8/18/2020			<0.001	
8/19/2020	<0.001	<0.001		
8/20/2020				<0.001
2/9/2021	<0.001	<0.001	<0.001	
2/10/2021				<0.001
9/8/2021	<0.001	<0.001	<0.001	
9/9/2021				<0.001
2/2/2022			0.0003 (J)	
2/3/2022	<0.001	<0.001		<0.001
8/31/2022	<0.001	<0.001		
9/2/2022			<0.001	<0.001
2/2/2023		<0.001		<0.001
2/3/2023	<0.001		<0.001	
8/9/2023			0.000445 (J)	
8/10/2023	<0.001	<0.001		<0.001
1/25/2024	<0.001	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
12/14/2005	<0.001		
4/5/2006	<0.001		
10/30/2006	<0.001		
5/10/2007	<0.001		
11/17/2007	<0.001		
5/2/2008	<0.001		
10/22/2008	<0.001		
5/13/2009			<0.001
5/14/2009	<0.001	<0.001	
12/1/2009	<0.001		
12/3/2009		<0.001	<0.001
5/26/2010	<0.001	<0.001	<0.001
11/9/2010		<0.001	<0.001
11/10/2010	<0.001		
5/18/2011		<0.001	
5/19/2011			<0.001
5/25/2011	<0.001		
11/11/2011	<0.001	<0.001	<0.001
5/17/2012	<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001	<0.001
5/7/2013		<0.001	<0.001
5/8/2013	<0.001		
11/5/2013	<0.001	<0.001	
11/6/2013			<0.001
5/21/2014	<0.001	<0.001	<0.001
11/17/2014	<0.001		
11/18/2014		<0.001	<0.001
4/7/2015	<0.001	<0.001	<0.001
10/28/2015	<0.001	<0.001	<0.001
6/23/2016	<0.001	<0.001	<0.001
8/31/2016	<0.001	<0.001	<0.001
10/25/2016	<0.001		<0.001
10/26/2016		<0.001	
1/26/2017	<0.001	<0.001	<0.001
4/12/2017	<0.001	<0.001	<0.001
6/21/2017		<0.001	
6/22/2017	<0.001		<0.001
10/25/2017	<0.001		<0.001
10/26/2017		<0.001	
4/10/2018	<0.001		
4/11/2018		<0.001	<0.001
10/17/2018	<0.001	<0.001	<0.001
3/28/2019	<0.001	<0.001	<0.001
8/21/2019	<0.001	<0.001	<0.001
10/9/2019	<0.001	<0.001	<0.001
4/8/2020	<0.001		
4/9/2020		<0.001	<0.001
8/18/2020	<0.001		
8/19/2020			<0.001
8/20/2020		<0.001	
2/10/2021	<0.001	<0.001	<0.001
9/9/2021		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
9/10/2021	<0.001		
2/2/2022		<0.001	<0.001
2/3/2022	<0.001		
8/31/2022	<0.001	<0.001	<0.001
2/2/2023	<0.001	<0.001	<0.001
8/10/2023	<0.001	<0.001	<0.001
1/25/2024	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		11		
8/31/2016			110	31
10/24/2016		10.4		
10/25/2016			150	38.5
1/23/2017		12		25
1/24/2017			78	
4/11/2017		12	78	33
6/20/2017				34
6/21/2017		12	110	
10/25/2017		13	120	28
4/9/2018			49	30
4/10/2018		13		
10/16/2018		12	110	41
3/26/2019			95	
3/27/2019		11		42
10/7/2019				36
10/8/2019		13	190	
4/6/2020				43
4/7/2020		12	61	
6/24/2020	170			
6/25/2020			100	27
6/26/2020		15		
9/29/2020		14	120	29
9/30/2020	210			
2/9/2021		14	110	
2/10/2021	220			
2/11/2021				40
9/7/2021		14	190	
9/8/2021	230			24
2/1/2022		12	73	
2/2/2022	240			48
8/30/2022		14.2		
8/31/2022			165	41.6
9/2/2022	240			
2/2/2023		14.9		
2/3/2023			49	
2/7/2023	254			19.1
8/9/2023	261	16	186	
8/10/2023				49.5
1/24/2024				45.6
1/25/2024	310	13.3	118	
8/20/2024		11.8		
8/21/2024	315		165	
8/22/2024				45.3

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			5.1	
8/31/2016		5.4		
9/1/2016				6.6
10/25/2016		4.47	4.76	5.89
1/24/2017		5.8	5.6	
1/27/2017				7.4
4/11/2017		5.3	4.7	
4/12/2017				6.7
6/20/2017		5.8	5.4	
6/22/2017				7.5
10/25/2017		5.9	6	
10/26/2017				7.8
4/10/2018		5.9	5.3	
4/11/2018				7.4
10/16/2018		5.8	5.6	
10/17/2018				7.1
3/27/2019		5.4	4.5	
3/28/2019				7.3
10/8/2019		6	5.9	
10/9/2019				7.7
4/7/2020		5.5	4	
4/8/2020				7.5
6/23/2020				7.7
6/25/2020		5.7	6.1	
9/29/2020		5.9	6.6	
10/1/2020				8.1
12/1/2020	13			
2/9/2021	9.7	5.8	6.2	7.7
9/8/2021	10	5.8	7.3	
9/10/2021				8.1
2/1/2022	9.6	5.4	6.5	
2/2/2022				8.3
8/30/2022			9.56 (J)	
8/31/2022	10.1	5.91		7.65
2/2/2023	10.2			7.69
2/3/2023		5.79	10.4	
8/9/2023	9.31	5.96		7.85
8/10/2023			12.6	
1/24/2024	9.3	5.9	12.4	
1/25/2024				8.32
8/20/2024	9.12	6.01		
8/21/2024			16.4	7.87

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		21	16	42
9/2/2016	22			
10/25/2016		29.8	13.5	
10/26/2016	23.7			44.3
1/26/2017	23	23	21	
1/27/2017				49
4/11/2017		28	16	
4/12/2017	17			45
6/21/2017	18	22	15	49
10/25/2017				49
10/26/2017	19	21	13	
4/10/2018	24	25	13	
4/11/2018				44
10/16/2018		16		
10/17/2018	21		10	49
3/27/2019	28			47
3/28/2019		41	10	
10/8/2019	24			
10/9/2019		39	10	49
4/8/2020	21	40	8.3	
4/9/2020				46
6/24/2020		47	11	44
6/25/2020	23			
9/29/2020	25	39	12	
9/30/2020				52
2/9/2021	23	38	12	
2/10/2021				52
9/8/2021	27	32	15	
9/9/2021				55
2/2/2022			14	
2/3/2022	22	50		55
8/31/2022	25	42.4		
9/2/2022			23.7	52.4
2/2/2023		66.5		52.4
2/3/2023	20.5		18.8	
8/9/2023			37.4	
8/10/2023	30.9	63.4		52.1
1/25/2024	23.3	71.7	22.6	54
8/21/2024	26.1	69.9	24.2	48.9

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	12	46	5.2
10/25/2016	10.9		4.64
10/26/2016		43.3	
1/26/2017	13	51	5.5
4/12/2017	12	47	4.9
6/21/2017		51	
6/22/2017	13		5.8
10/25/2017	12		6.1
10/26/2017		55	
4/10/2018	12		
4/11/2018		44	6
10/17/2018	11	52	5.8
3/28/2019	11	52	5.6
10/9/2019	11	53	5.7
4/8/2020	11		
4/9/2020		47	5.3
6/23/2020		52	
6/25/2020	11		
6/26/2020			5.6
9/29/2020	11		
10/1/2020		52	5.7
2/10/2021	9.9	48	4.8
9/9/2021		49	4.7
9/10/2021	10		
2/2/2022		47	4.7
2/3/2022	11		
8/31/2022	9.99	43	4.77
2/2/2023	10.2	45.7	4.88
8/10/2023	9.75	44.9	4.75
1/25/2024	10.3	46	4.81
8/21/2024	8.99	43.4	4.65

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
5/6/2009		10.7		
5/7/2009			4.24	
12/3/2009		10.1	2.66	
5/25/2010		7.11	3.29	
6/2/2010				15.1
11/9/2010		8.4		
11/10/2010			3.82	14.8
5/19/2011				28.2 (o)
5/24/2011		9.07		
5/25/2011			4.92	
11/9/2011				32.8 (o)
11/10/2011		10.3	4.48	
5/18/2012		10.1		
5/30/2012			4.72	30.8 (o)
11/9/2012		8.73	5.1	
11/11/2012				24.6 (o)
5/8/2013		8.06		
5/9/2013			3.85	27.2 (o)
11/6/2013		10.2		
11/11/2013			5.26	12.7
5/20/2014		8.2		
5/21/2014			4.47	
5/29/2014				20 (o)
11/18/2014		10	6.4	
11/19/2014				19 (o)
4/7/2015			5.04	
4/14/2015		10.7		13.6
10/28/2015			6.3	
10/29/2015		10.7		
11/4/2015				12.4
6/23/2016		11	5.7	9
8/30/2016		11		
8/31/2016			5.7	5.4
10/24/2016		12		
10/25/2016			7.9	9.3
1/23/2017		11		5.1
1/24/2017			4.4	
4/11/2017		11	4.3	4.1
6/20/2017				4.1
6/21/2017		11	5.5	
10/25/2017		10	5.2	3.8
4/9/2018			3.8	3.9
4/10/2018		9.9		
10/16/2018		11	6	4.3
3/26/2019			4.6	
3/27/2019		11		4
10/7/2019				4
10/8/2019		64 (o)	6.7	
4/6/2020				4.2
4/7/2020		11	3.8	
6/24/2020	6.4			
6/25/2020			5.8	4

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
6/26/2020		12		
9/29/2020		12	5.7	4.1
9/30/2020	5			
2/9/2021		15	6	
2/10/2021	5.1			
2/11/2021				4.6
9/7/2021		14	8.2	
9/8/2021	5.3			4
2/1/2022		12	4.6	
2/2/2022	5.1			4.2
8/30/2022		12.8 (J)		
8/31/2022			6.89	3.92
9/2/2022	4.58			
2/2/2023		13.2		
2/3/2023			3.04	
2/7/2023	4.85			3.88
8/9/2023	4.64	13.3	5.87	
8/10/2023				4.61
1/24/2024				4.33
1/25/2024	5.34	13.1	5.2	
8/20/2024		10.6		
8/21/2024	5.28		6.76	
8/22/2024				4.39

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
12/16/1997		6.2	3.8	
6/30/1998		4.6	2.9	
12/2/1998		3.13	1.76	
6/8/1999		1.56	1.97	
12/7/1999		3.05	1.98	
6/15/2000		3.35	2.08	
12/12/2000		2.42	2.02	
12/5/2001		2.62	2.03	
6/26/2002		3.4	2.52	
12/3/2002		3.04	2.12	
6/11/2003		3.02	2.43	
12/10/2003		2.9	1.93	
6/15/2004		2.05	2.42	
12/14/2004		2.78	2.44	
6/2/2005		3.15	2.79	
12/14/2005		3.38	2.77	
4/5/2006		3.49	2.8	
10/30/2006		2.84	3.09	
5/10/2007		3.68	3.93	
11/17/2007		2.69	<0.021	
5/3/2008		2.85	3.52	
10/22/2008		2.99	3.15	
5/6/2009			3.49	
5/7/2009		2.96		
5/13/2009				3.85
12/1/2009			3.26	
12/3/2009				3.73
12/4/2009		2.97		
5/25/2010			3.62	
5/26/2010				3.7
6/1/2010		3.23		
11/9/2010			3.38	3.6
11/10/2010		2.86		
5/19/2011				3.79
5/24/2011			3.62	
5/25/2011		2.86		
11/10/2011			3.74	
11/11/2011				4.07
11/12/2011		2.83		
5/17/2012				3.84
5/18/2012			3.6	
5/31/2012		2.68		
11/9/2012			3.66	3.99
11/11/2012		2.63		
5/7/2013				3.94
5/8/2013			4.16	
5/13/2013		0.364		
11/6/2013			3.87	3.89
11/12/2013		2.95		
5/20/2014			4.4	3.54
5/29/2014		2.64		
11/17/2014			4.2	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
11/18/2014				4.2
4/7/2015			4.53	4.09
4/14/2015		2.78		
10/28/2015			4.47	3.98
11/3/2015		2.66		
6/23/2016		3.3	4.6	4.3
8/30/2016			4.3	
8/31/2016		2.7		
9/1/2016				4
10/25/2016		3.1	5	4.6
1/24/2017		2.5	5.1	
1/27/2017				3.9
4/11/2017		2.4	4.4	
4/12/2017				3.7
6/20/2017		2.5	5	
6/22/2017				3.9
10/25/2017		2.3	5.3	
10/26/2017				3.7
4/10/2018		2.4	5.1	
4/11/2018				3.8
10/16/2018		2.5	5.3	
10/17/2018				4
3/27/2019		2.5	4.3	
3/28/2019				3.7
10/8/2019		2.6	5.7	
10/9/2019				3.8
4/7/2020		2.9	3.7	
4/8/2020				3.9
6/23/2020				4.2
6/25/2020		2.8	4.2	
9/29/2020		2.7	4.6	
10/1/2020				3.9
12/1/2020	12			
2/9/2021	11	3	5.1	4.7
9/8/2021	11	3	5.3	
9/10/2021				4.6
2/1/2022	12	3.4	5.3	
2/2/2022				4.4
8/30/2022			8.47	
8/31/2022	12.3	2.94		4.2
2/2/2023	9.71			4.1
2/3/2023		2.67	8.74	
8/9/2023	8.91	2.71		4.11
8/10/2023			12.4	
1/24/2024	9.01	2.72	14.9	
1/25/2024				4.36
8/20/2024	8.27	2.66		
8/21/2024			17	3.99

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
5/5/2009	2.61			
5/12/2009		3.96	3.5	8.89
12/4/2009	2.37		1.85	9.43
12/5/2009		3.81		
5/25/2010			1.74	8.49
5/26/2010		3.85		
6/1/2010	3.71			
11/9/2010		4.08	1.18	
11/10/2010	2.69			8.77
5/19/2011				8.11
5/24/2011		3.63	2.51	
5/25/2011	2.44			
11/9/2011	2.3			
11/12/2011		4.03	4.99	12.3 (o)
5/17/2012				8.4
5/30/2012		3.82	6.4	
5/31/2012	2.29			
11/9/2012		3.69	3.37	
11/10/2012	2.46			8.13
5/7/2013				8.11
5/8/2013			5.67	
5/13/2013	6.55	3.5		
11/5/2013				7.82
11/6/2013		3.74	3.62	
11/12/2013	2.86			
5/20/2014			5.82	
5/21/2014		3.74		
5/28/2014	2.75			6.99
11/17/2014		4.4	6.4	
11/19/2014				9
11/20/2014	3.4			
4/7/2015		4.38	5.02	
4/14/2015	2.56			
4/15/2015				8.14
10/28/2015		4.62	4.98	
10/29/2015				8.17
11/3/2015	2.01			
6/23/2016	1.9			
6/24/2016		5	5	8.4
9/1/2016		4.8	4.4	7.8
9/2/2016	2.7			
10/25/2016		5.4	5.1	
10/26/2016	3.3			8.9
1/26/2017	1.6	5.2	4.2	
1/27/2017				7.3
4/11/2017		4.8	3.9	
4/12/2017	1.5			7
6/21/2017	1.6	5.2	4.1	7.2
10/25/2017				7
10/26/2017	1.6	4.7	4	
4/10/2018	1.8	4.8	4.1	
4/11/2018				6.9

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
10/16/2018		4.5		
10/17/2018	2.1		4	7.1
3/27/2019	1.8			6.6
3/28/2019		4.6	3.4	
10/8/2019	9.4 (o)			
10/9/2019		4.7	3.3	6.7
4/8/2020	1.9	5.1	3.7	
4/9/2020				7.3
6/24/2020		5.9	4	7.2
6/25/2020	1.9			
9/29/2020	2.5	5.2	3.4	
9/30/2020				6.9
2/9/2021	2.7	5.7	3.1	
2/10/2021				7.8
9/8/2021	2.9	5.6	2.9	
9/9/2021				8.1
2/2/2022			3	
2/3/2022	2.9	5.9		7.1
8/31/2022	3.01	5.67		
9/2/2022			2.74	6.52
2/2/2023		6.12		6.7
2/3/2023	2.71		2.68	
8/9/2023			2.72	
8/10/2023	2.88	5.85		6.62
1/25/2024	2.83	6.48	2.88	7.26
8/21/2024	2.55	5.71	2.76	6.72

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
12/14/2005	7.52		
4/5/2006	7.38		
10/30/2006	6.9		
5/10/2007	8.88		
11/17/2007	13.5 (o)		
5/2/2008	12.9 (o)		
10/22/2008	7.97		
5/13/2009			3.37
5/14/2009	7.68	6.38	
12/1/2009	6.66		
12/3/2009		5.96	3.49
5/26/2010	6	5.37	3.35
11/9/2010		<0.071 (o)	3.34
11/10/2010	6.07		
5/18/2011		5.4	
5/19/2011			3.25
5/25/2011	5.7		
11/11/2011	6.23	5.58	3.57
5/17/2012	6.06	5.15	3.27
11/9/2012	4.9	5.2	3.45
5/7/2013		5.56	3.35
5/8/2013	5.85		
11/5/2013	5.44	5.24	
11/6/2013			3.45
5/21/2014	5.96	7.34 (o)	3.18
11/17/2014	7		
11/18/2014		6.1	4
4/7/2015	6.08	5.62	4.22
10/28/2015	5.02	5.58	4.87
6/23/2016	5.4	6.2	5.6
8/31/2016	5.1	5.6	5.4
10/25/2016	6.2		6.4
10/26/2016		7.1	
1/26/2017	5.1	5.8	5.3
4/12/2017	4.9	5.6	5.2
6/21/2017		5.8	
6/22/2017	5.1		5.5
10/25/2017	5.1		5.3
10/26/2017		5.5	
4/10/2018	5		
4/11/2018		5.7	5.1
10/17/2018	5.8	6	5.3
3/28/2019	5.1	5.7	4.8
10/9/2019	4.6	5.7	5.2
4/8/2020	4.4		
4/9/2020		7.7	5.6
6/23/2020		7	
6/25/2020	4.6		
6/26/2020			5.4
9/29/2020	4.1		
10/1/2020		6	5.5
2/10/2021	4.5	6.4	5.9

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
9/9/2021		6.2	6.1
9/10/2021	4.8		
2/2/2022		6.3	5.3
2/3/2022	3.1		
8/31/2022	4.59	5.86	5.28 (J)
2/2/2023	4.25	5.6	4.88
8/10/2023	4.2	5.45	4.8
1/25/2024	4.76	5.9	5.15
8/21/2024	4.45	5.59	4.93

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		0.0012 (J)		
8/31/2016			<0.01	<0.01
10/24/2016		0.0011 (J)		
10/25/2016			<0.01	<0.01
1/23/2017		<0.01		0.01
1/24/2017			<0.01	
4/11/2017		0.0011 (J)	<0.01	<0.01
6/20/2017				<0.01
6/21/2017		<0.01	<0.01	
10/25/2017		<0.01	<0.01	<0.01
4/9/2018			<0.01	0.0019 (J)
4/10/2018		0.0013 (J)		
10/16/2018		<0.01	<0.01	<0.01
8/19/2019			0.0016 (J)	
8/20/2019		0.0026		
8/21/2019				<0.01
10/7/2019				<0.01
10/8/2019		<0.01	<0.01	
4/6/2020				<0.01
4/7/2020		0.0015 (J)	<0.01	
8/18/2020		<0.01	<0.01	
8/19/2020				<0.01
8/20/2020	<0.01			
9/29/2020		<0.01	<0.01	<0.01
9/30/2020	<0.01			
2/9/2021		<0.01	<0.01	
2/10/2021	<0.01			
2/11/2021				<0.01
9/7/2021		0.0017 (J)	<0.01	
9/8/2021	<0.01			<0.01
2/1/2022		<0.01	<0.01	
2/2/2022	<0.01			<0.01
8/30/2022		<0.01		
8/31/2022			<0.01	<0.01
9/2/2022	<0.01			
2/2/2023		<0.01		
2/3/2023			<0.01	
2/7/2023	<0.01			<0.01
8/9/2023	<0.01	<0.01	<0.01	
8/10/2023				<0.01
1/24/2024				<0.01
1/25/2024	<0.01	<0.01	<0.01	
8/20/2024		<0.01		
8/21/2024	<0.01		<0.01	
8/22/2024				<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			0.0012 (J)	
8/31/2016		0.003		
9/1/2016				0.0038
10/25/2016		0.0028 (J)	0.0014 (J)	0.0042 (J)
1/24/2017		0.0031	0.0012 (J)	
1/27/2017				0.005
4/11/2017		0.0029	<0.01	
4/12/2017				0.0048
6/20/2017		0.0037	<0.01	
6/22/2017				0.0047
10/25/2017		0.0031	<0.01	
10/26/2017				0.0043
4/10/2018		0.0036	0.0012 (J)	
4/11/2018				0.0051
10/16/2018		0.0035	0.0012 (J)	
10/17/2018				0.0051
8/20/2019		0.0039	0.0032	
8/21/2019				0.0073
10/8/2019		0.0031	<0.01	
10/9/2019				0.006
4/7/2020		0.0023	<0.01	
4/8/2020				0.0046
8/18/2020		0.0027	<0.01	
8/19/2020				0.0049
9/29/2020		0.003	<0.01	
10/1/2020				0.0047
12/1/2020	<0.01			
2/9/2021	<0.01	0.0028	<0.01	0.0046
9/8/2021	<0.01	0.0026	<0.01	
9/10/2021				0.0049
2/1/2022	<0.01	0.0029	<0.01	
2/2/2022				0.005
8/30/2022			<0.01	
8/31/2022	<0.01	0.00358 (J)		0.0055 (J)
2/2/2023	<0.01			0.00534 (J)
2/3/2023		0.0139	<0.01	
8/9/2023	<0.01	<0.01		0.00473 (J)
8/10/2023			<0.01	
1/24/2024	<0.01	0.00308 (J)	<0.01	
1/25/2024				0.00527 (J)
8/20/2024	<0.01	0.0032 (J)		
8/21/2024			<0.01	0.00501 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		0.0017 (J)	<0.01	<0.01
9/2/2016	0.0087			
10/25/2016		0.0023 (J)	<0.01	
10/26/2016	<0.01			<0.01
1/26/2017	<0.01	0.0017 (J)	0.0016 (J)	
1/27/2017				<0.01
4/11/2017		0.0019 (J)	0.0013 (J)	
4/12/2017	<0.01			<0.01
6/21/2017	<0.01	0.0017 (J)	<0.01	<0.01
10/25/2017				<0.01
10/26/2017	<0.01	0.0013 (J)	<0.01	
4/10/2018	<0.01	0.0019 (J)	<0.01	
4/11/2018				<0.01
10/16/2018		0.0013 (J)		
10/17/2018	<0.01		<0.01	<0.01
8/20/2019		0.0025		
8/21/2019	0.0017 (J)		<0.01	<0.01
10/8/2019	<0.01			
10/9/2019		0.0027	0.0021	<0.01
4/8/2020	<0.01	0.0021	<0.01	
4/9/2020				<0.01
8/18/2020			<0.01	
8/19/2020	<0.01	0.0021		
8/20/2020				<0.01
9/29/2020	<0.01	0.002	<0.01	
9/30/2020				<0.01
2/9/2021	<0.01	0.0018 (J)	<0.01	
2/10/2021				<0.01
9/8/2021	0.0027	0.0016 (J)	<0.01	
9/9/2021				<0.01
2/2/2022			<0.01	
2/3/2022	<0.01	0.0018 (J)		<0.01
8/31/2022	<0.01	<0.01		
9/2/2022			<0.01	<0.01
2/2/2023		<0.01		<0.01
2/3/2023	<0.01		<0.01	
8/9/2023			<0.01	
8/10/2023	<0.01	<0.01		<0.01
1/25/2024	<0.01	<0.01	<0.01	<0.01
8/21/2024	<0.01	<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	0.0033	<0.01	0.011
10/25/2016	0.0029 (J)		0.0109
10/26/2016		<0.01	
1/26/2017	0.0033	<0.01	0.011
4/12/2017	0.0036	<0.01	0.0096
6/21/2017		<0.01	
6/22/2017	0.0036		0.011
10/25/2017	0.0028		0.0094
10/26/2017		<0.01	
4/10/2018	0.0038		
4/11/2018		<0.01	0.01
10/17/2018	0.0036	<0.01	0.0096
8/21/2019	0.0046	0.0015 (J)	0.0097
10/9/2019	0.0042	0.0017 (J)	0.0084
4/8/2020	0.0027		
4/9/2020		<0.01	0.0069
8/18/2020	0.0031		
8/19/2020			0.008
8/20/2020		<0.01	
9/29/2020	0.0031		
10/1/2020		<0.01	0.0075
2/10/2021	0.003	<0.01	0.007
9/9/2021		<0.01	0.0071
9/10/2021	0.0032		
2/2/2022		<0.01	0.0068
2/3/2022	0.0043		
8/31/2022	0.00344 (J)	<0.01	0.00766 (J)
2/2/2023	0.00353 (J)	<0.01	0.00753 (J)
8/10/2023	0.00353 (J)	<0.01	0.00775 (J)
1/25/2024	0.00317 (J)	<0.01	0.007 (J)
8/21/2024	<0.01	<0.01	0.00727 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		<0.001		
8/31/2016			<0.001	<0.001
10/24/2016		<0.001		
10/25/2016			<0.001	<0.001
1/23/2017		<0.001		<0.001
1/24/2017			<0.001	
4/11/2017		<0.001	<0.001	<0.001
6/20/2017				<0.001
6/21/2017		<0.001	<0.001	
10/25/2017		<0.001	<0.001	<0.001
4/9/2018			<0.001	<0.001
4/10/2018		<0.001		
10/16/2018		<0.001	<0.001	<0.001
8/19/2019			0.00029 (J)	
8/20/2019		0.00019 (J)		
8/21/2019				0.00022 (J)
10/7/2019				<0.001
10/8/2019		<0.001	0.00011 (J)	
1/15/2020	0.0064			
4/6/2020				<0.001
4/7/2020		0.00029 (J)	<0.001	
6/24/2020	0.0049			
6/25/2020			<0.001	<0.001
6/26/2020		0.00013 (J)		
8/18/2020		0.00019 (J)	<0.001	
8/19/2020				<0.001
8/20/2020	0.005			
9/29/2020		0.00016 (J)	<0.001	<0.001
9/30/2020	0.0046			
2/9/2021		<0.001	<0.001	
2/10/2021	0.0053			
2/11/2021				<0.001
9/7/2021		0.00043 (J)	<0.001	
9/8/2021	0.0048			<0.001
2/1/2022		0.00041 (J)	<0.001	
2/2/2022	0.0042			<0.001
8/30/2022		0.000509 (J)		
8/31/2022			<0.001	<0.001
9/2/2022	0.00411			
2/2/2023		<0.001		
2/3/2023			<0.001	
2/7/2023	0.00343			<0.001
8/9/2023	0.00337	0.000325 (J)	<0.001	
8/10/2023				<0.001
1/24/2024				<0.001
1/25/2024	0.00251	0.000661 (J)	<0.001	
8/20/2024		0.00079 (J)		
8/21/2024	0.00199		<0.001	
8/22/2024				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			<0.001	
8/31/2016		<0.001		
9/1/2016				<0.001
10/25/2016		<0.001	<0.001	<0.001
1/24/2017		<0.001	<0.001	
1/27/2017				<0.001
4/11/2017		<0.001	<0.001	
4/12/2017				<0.001
6/20/2017		<0.001	<0.001	
6/22/2017				<0.001
10/25/2017		<0.001	<0.001	
10/26/2017				<0.001
4/10/2018		<0.001	<0.001	
4/11/2018				<0.001
10/16/2018		<0.001	<0.001	
10/17/2018				<0.001
8/20/2019		0.00018 (J)	0.00012 (J)	
8/21/2019				0.00017 (J)
10/8/2019		<0.001	<0.001	
10/9/2019				0.00019 (J)
4/7/2020		<0.001	0.00014 (J)	
4/8/2020				<0.001
6/23/2020				0.00013 (J)
6/25/2020		<0.001	<0.001	
8/18/2020		0.00022 (J)	<0.001	
8/19/2020				0.00015 (J)
9/29/2020		<0.001	<0.001	
10/1/2020				<0.001
12/1/2020	0.0058			
2/9/2021	0.00088 (J)	<0.001	<0.001	<0.001
9/8/2021	0.00019 (J)	<0.001	<0.001	
9/10/2021				<0.001
2/1/2022	<0.001	<0.001	<0.001	
2/2/2022				<0.001
8/30/2022			<0.001	
8/31/2022	<0.001	<0.001		<0.001
2/2/2023	<0.001			<0.001
2/3/2023		<0.001	0.000448 (J)	
8/9/2023	<0.001	<0.001		<0.001
8/10/2023			<0.001	
1/24/2024	<0.001	<0.001	<0.001	
1/25/2024				<0.001
8/20/2024	<0.001	<0.001		
8/21/2024			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		<0.001	0.037	0.0014 (J)
9/2/2016	0.03			
10/25/2016		<0.001	0.0144	
10/26/2016	0.0036 (J)			0.0013 (J)
1/26/2017	0.011	<0.001	0.022	
1/27/2017				0.0021 (J)
4/11/2017		<0.001	0.026	
4/12/2017	<0.001			0.0015 (J)
6/21/2017	<0.001	<0.001	0.027	0.0018 (J)
10/25/2017				0.0013 (J)
10/26/2017	<0.001	<0.001	0.021	
4/10/2018	0.00045 (J)	<0.001	0.021	
4/11/2018				0.0014 (J)
10/16/2018		<0.001		
10/17/2018	<0.001		0.014	0.0012 (J)
8/20/2019		0.00016 (J)		
8/21/2019	0.00048 (J)		0.018	0.0012
10/8/2019	0.00019 (J)			
10/9/2019		0.00026 (J)	0.017	0.00099
4/8/2020	0.00026 (J)	<0.001	0.016	
4/9/2020				0.00091 (J)
6/24/2020		0.00013 (J)	0.024	0.00115 (JD)
6/25/2020	0.00022 (J)			
8/18/2020			0.03	
8/19/2020	0.0004 (J)	<0.001		
8/20/2020				0.0014 (JD)
9/29/2020	0.0003 (J)	<0.001	0.027	
9/30/2020				0.00125 (JD)
2/9/2021	<0.001	<0.001	0.025	
2/10/2021				0.0011 (J)
9/8/2021	0.004	<0.001	0.032	
9/9/2021				0.0016 (J)
2/2/2022			0.033	
2/3/2022	<0.001	<0.001		0.0013 (J)
8/31/2022	<0.001	<0.001		
9/2/2022			0.0516	0.00111
2/2/2023		<0.001		0.00109
2/3/2023	<0.001		0.0332	
8/9/2023			0.0689	
8/10/2023	0.00439	<0.001		0.0011
1/25/2024	<0.001	<0.001	0.0319	0.00106
8/21/2024	0.0023	<0.001	0.0256	0.00108

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	<0.001	<0.001	<0.001
10/25/2016	<0.001		<0.001
10/26/2016		<0.001	
1/26/2017	<0.001	<0.001	<0.001
4/12/2017	<0.001	<0.001	<0.001
6/21/2017		<0.001	
6/22/2017	<0.001		<0.001
10/25/2017	<0.001		<0.001
10/26/2017		<0.001	
4/10/2018	<0.001		
4/11/2018		<0.001	<0.001
10/17/2018	<0.001	<0.001	<0.001
8/21/2019	8.6E-05 (J)	0.00021 (J)	<0.001
10/9/2019	0.00034 (J)	0.00041 (J)	0.00021 (J)
4/8/2020	<0.001		
4/9/2020		0.00013 (J)	0.00015 (J)
6/23/2020		0.00017 (J)	
6/25/2020	<0.001		
6/26/2020			<0.001
8/18/2020	<0.001		
8/19/2020			0.00013 (J)
8/20/2020		0.00023 (J)	
9/29/2020	<0.001		
10/1/2020		0.00021 (J)	<0.001
2/10/2021	<0.001	0.00015 (J)	<0.001
9/9/2021		<0.001	<0.001
9/10/2021	<0.001		
2/2/2022		0.00032 (J)	<0.001
2/3/2022	<0.001		
8/31/2022	<0.001	<0.001	<0.001
2/2/2023	<0.001	<0.001	<0.001
8/10/2023	<0.001	<0.001	<0.001
1/25/2024	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		1.1		
8/31/2016			0.788	0.949 (U)
10/24/2016		0.808 (U)		
10/25/2016			0.503 (U)	1.13
1/23/2017		0.121 (U)		0.426
1/24/2017			0.369	
4/11/2017		0.378 (U)	0.71	0.604
6/20/2017				0.974
6/21/2017		0.511	0.124 (U)	
10/25/2017		0.587	0.981	0.409 (U)
4/9/2018			0.157 (U)	0.306 (U)
4/10/2018		0.513		
10/16/2018		0.53	0.305 (U)	0.701
8/19/2019			0.204 (U)	
8/20/2019		0.759		
8/21/2019				0.0663 (U)
10/7/2019				0.447 (U)
10/8/2019		0.76	0.398 (U)	
4/6/2020				0.286 (U)
4/7/2020		0.622	-0.0414 (U)	
8/18/2020		0.587	0.38 (U)	
8/19/2020				-0.0549 (U)
8/20/2020	0.624 (U)			
9/29/2020		0.765	0.403 (U)	0.134 (U)
9/30/2020	0.532			
2/9/2021		1.16	0.394 (U)	
2/10/2021	0.932			
2/11/2021				0.413 (U)
9/7/2021		0.385	0.475	
9/8/2021	0.528			0.188 (U)
2/1/2022		0.615	0.328 (U)	
2/2/2022	0.369 (U)			0.381 (U)
8/30/2022		0.804		
8/31/2022			0.596	0.345
9/2/2022	0.947			
2/2/2023		4.25		
2/3/2023			1.27 (U)	
2/7/2023	1.16 (U)			1.51 (U)
8/9/2023	2.55	1.45	1.43 (U)	
8/10/2023				0.641 (U)
1/24/2024				1.34 (U)
1/25/2024	1.05 (U)	1.53	0.0289 (U)	
8/20/2024		<1.61		
8/21/2024	<2.27		<1.51	
8/22/2024				<1.85

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			0.505 (U)	
8/31/2016		0.226 (U)		
9/1/2016				0.153 (U)
10/25/2016		0.273 (U)	0.177 (U)	0.328 (U)
1/24/2017		0.11 (U)	0.107 (U)	
1/27/2017				-0.0761 (U)
4/11/2017		0.358 (U)	-0.0587 (U)	
4/12/2017				0.112 (U)
6/20/2017		0.265 (U)	0.503	
6/22/2017				0.414
10/25/2017		0.5	0.512	
10/26/2017				0.334 (U)
4/10/2018		0.323	0.262 (U)	
4/11/2018				0.17 (U)
10/16/2018		0.798	0.989	
10/17/2018				0.38 (U)
8/20/2019		0.352 (U)	-0.0925 (U)	
8/21/2019				0.352 (U)
10/8/2019		0.419 (U)	0.348 (U)	
10/9/2019				-0.38 (U)
4/7/2020		0.0354 (U)	0.198 (U)	
4/8/2020				-0.0401 (U)
8/18/2020		0.132 (U)	1.12	
8/19/2020				-0.0271 (U)
9/29/2020		-0.0479 (U)	-0.146 (U)	
10/1/2020				0.172 (U)
12/1/2020	-0.0123 (U)			
2/9/2021	0.0311 (U)	-0.187 (U)	-0.312 (U)	0.163 (U)
9/8/2021	0.539	0.188 (U)	0.558	
9/10/2021				0.0831 (U)
2/1/2022	0.149 (U)	-0.0119 (U)	0.147 (U)	
2/2/2022				0.338 (U)
8/30/2022			0.546	
8/31/2022	0.161	0.805		0.5
2/2/2023	0.206 (U)			2.32 (U)
2/3/2023		1.51 (U)	2.97	
8/9/2023	0.251 (U)	0.426 (U)		2.22
8/10/2023			1.63	
1/24/2024	2.29	2.24	2.12	
1/25/2024				0.699 (U)
8/20/2024	2.87	2.88		
8/21/2024			2.59	<1.96

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		0.568	-0.081 (U)	0.495 (U)
9/2/2016	2.11			
10/25/2016		1.57	0.675 (U)	
10/26/2016	2.45			0.606 (U)
1/26/2017	0.276 (U)	0.255 (U)	0.18 (U)	
1/27/2017				0.641
4/11/2017		0.334 (U)	0.547	
4/12/2017	0.387 (U)			-0.0936 (U)
6/21/2017	0.194 (U)	0.518	0.38	0.5
10/25/2017				0.345 (U)
10/26/2017	0.519	0.79	1.48	
4/10/2018	0.604	0.394	0.39	
4/11/2018				0.331 (U)
10/16/2018		0.0598 (U)		
10/17/2018	0.46 (U)		0.781	0.62
8/20/2019		0.227 (U)		
8/21/2019	0.491		-0.0366 (U)	0.693
10/8/2019	0.421 (U)			
10/9/2019		-0.0245 (U)	0.118 (U)	0.0684 (U)
4/8/2020	0.309 (U)	0.28 (U)	0.402 (U)	
4/9/2020				0.419 (U)
8/18/2020			0.423	
8/19/2020	0.538	0.306 (U)		
8/20/2020				0.191 (U)
9/29/2020	0.394 (U)	-0.0246 (U)	0.175 (U)	
9/30/2020				0.0811 (U)
2/9/2021	0.669	0.46	0.332 (U)	
2/10/2021				0.568
9/8/2021	1.62	-0.108 (U)	-0.015 (U)	
9/9/2021				0.669
2/2/2022			0.107 (U)	
2/3/2022	0.609	0.712		0.503
8/31/2022	0.51	0.493		
9/2/2022			1.75	2.67
2/2/2023		1.31 (U)		2.04
2/3/2023	0.376 (U)		0.751 (U)	
8/9/2023			1.05 (U)	
8/10/2023	2.75	0.34 (U)		1.65 (U)
1/25/2024	2.03	0.505 (U)	1.2 (U)	0.334 (U)
8/21/2024	<2.17	1.55 (D)	2.51	<2.2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	-0.106 (U)	0.218 (U)	0.279 (U)
10/25/2016	0.518 (U)		0.393 (U)
10/26/2016		0.335 (U)	
1/26/2017	0.37	0.345 (U)	0.0879 (U)
4/12/2017	0.316 (U)	0.37 (U)	0.219 (U)
6/21/2017		0.144 (U)	
6/22/2017	0.229 (U)		0.552
10/25/2017	0.281 (U)		0.388 (U)
10/26/2017		0.51	
4/10/2018	0.492		
4/11/2018		0.362	0.322
10/17/2018	0.495 (U)	0.385 (U)	0.327 (U)
8/21/2019	0.0805 (U)	0.125 (U)	0.0554 (U)
10/9/2019	0.552	-0.164 (U)	-0.238 (U)
4/8/2020	0.366 (U)		
4/9/2020		0.255 (U)	0.334 (U)
8/18/2020	0.376 (U)		
8/19/2020			0.124 (U)
8/20/2020		0.14 (U)	
9/29/2020	0.334 (U)		
10/1/2020		0.512 (U)	0.501
2/10/2021	0.412	0.384	0.515
9/9/2021		0.616	0.57
9/10/2021	0.861		
2/2/2022		0.271 (U)	0.73 (U)
2/3/2022	0.12 (U)		
8/31/2022	0.804	0.618	0.0403
2/2/2023	1.76 (U)	0.844 (U)	0.0399 (U)
8/10/2023	1.27 (U)	0.68 (U)	0.492 (U)
1/25/2024	0.388 (U)	1.96	0.921 (U)
8/21/2024	2.53	<1.73	1.6 (D)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		<0.2		
8/31/2016			<0.1	0.12 (J)
10/24/2016		0.1 (J)		
10/25/2016			0.08 (J)	0.53
1/23/2017		<0.2		0.4
1/24/2017			<0.1	
4/11/2017		<0.2	<0.1	0.31
6/20/2017				0.27
6/21/2017		<0.2	<0.1	
10/25/2017		<0.2	<0.1	0.29
4/9/2018			<0.1	0.25
4/10/2018		<0.2		
10/16/2018		0.1 (J)	<0.1	0.33
3/26/2019			<0.1	
3/27/2019		0.031 (J)		0.15 (J)
8/19/2019			<0.1	
8/20/2019		0.049 (J)		
8/21/2019				0.35
10/7/2019				0.12 (J)
10/8/2019		0.27 (J)	0.033 (J)	
4/6/2020				0.28
4/7/2020		0.082 (J)	0.086 (J)	
6/24/2020	0.041 (J)			
6/25/2020			0.03 (J)	0.17
6/26/2020		0.051 (J)		
8/18/2020		0.041 (J)	<0.1	
8/19/2020				0.12
8/20/2020	<0.1			
9/29/2020		0.06 (J)	0.032 (J)	0.13
9/30/2020	0.028 (J)			
2/9/2021		0.07 (J)	0.036 (J)	
2/10/2021	0.028 (J)			
2/11/2021				0.25
9/7/2021		0.11	0.075 (J)	
9/8/2021	0.034 (J)			0.2
2/1/2022		0.065 (J)	0.032 (J)	
2/2/2022	0.055 (J)			0.19
8/30/2022		0.167		
8/31/2022			0.135	0.155
9/2/2022	0.059 (J)			
2/2/2023		0.221		
2/3/2023			<0.1	
2/7/2023	0.038 (J)			0.275
8/9/2023	0.23	0.271	0.239	
8/10/2023				0.254
1/24/2024				0.327
1/25/2024	0.105	0.241	0.175	
8/20/2024		0.0426 (J)		
8/21/2024	0.0693 (J)		0.0387 (J)	
8/22/2024				0.21

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			<0.1	
8/31/2016		<0.1		
9/1/2016				<0.1
10/25/2016		0.14 (J)	0.09 (J)	0.1 (J)
1/24/2017		<0.1	<0.1	
1/27/2017				<0.1
4/11/2017		<0.1	<0.1	
4/12/2017				<0.1
6/20/2017		<0.1	<0.1	
6/22/2017				<0.1
10/25/2017		<0.1	<0.1	
10/26/2017				<0.1
4/10/2018		<0.1	<0.1	
4/11/2018				<0.1
10/16/2018		0.1 (J)	<0.1	
10/17/2018				<0.1
3/27/2019		0.034 (J)	0.026 (J)	
3/28/2019				0.03 (J)
8/20/2019		0.053 (J)	0.047 (J)	
8/21/2019				0.047 (J)
10/8/2019		0.056 (J)	0.05 (J)	
10/9/2019				0.053 (J)
4/7/2020		0.098 (J)	0.072 (J)	
4/8/2020				0.071 (J)
6/23/2020				0.04 (J)
6/25/2020		0.06 (J)	0.042 (J)	
8/18/2020		<0.1	<0.1	
8/19/2020				<0.1
9/29/2020		0.065 (J)	0.051 (J)	
10/1/2020				0.048 (J)
12/1/2020	<0.1			
2/9/2021	0.057 (J)	0.084 (J)	0.055 (J)	0.051 (J)
9/8/2021	0.1	0.1	0.1	
9/10/2021				0.067 (J)
2/1/2022	0.054 (J)	0.086 (J)	0.059 (J)	
2/2/2022				0.063 (J)
8/30/2022			0.155	
8/31/2022	0.164	0.184		<0.1
2/2/2023	0.125			0.134
2/3/2023		0.155 (J)	<0.1	
8/9/2023	0.0732 (J)	0.316		0.111
8/10/2023			0.128	
1/24/2024	0.121	0.146	0.117	
1/25/2024				0.252
8/20/2024	0.0399 (J)	0.0574 (J)		
8/21/2024			0.0365 (J)	0.063 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		<0.1	<0.1	0.083 (J)
9/2/2016	0.21			
10/25/2016		0.08 (J)	0.08 (J)	
10/26/2016	0.21 (J)			0.32 (o)
1/26/2017	0.097 (J)	<0.1	<0.1	
1/27/2017				0.097 (J)
4/11/2017		<0.1	<0.1	
4/12/2017	<0.2			0.088 (J)
6/21/2017	<0.2	<0.1	<0.1	0.096 (J)
10/25/2017				0.092 (J)
10/26/2017	<0.2	<0.1	<0.1	
4/10/2018	<0.2	<0.1	<0.1	
4/11/2018				0.09 (J)
10/16/2018		<0.1		
10/17/2018	0.1 (J)		<0.1	0.11 (J)
3/27/2019	0.05 (J)			0.05 (J)
3/28/2019		<0.1	<0.1	
8/20/2019		0.033 (J)		
8/21/2019	0.1 (J)		0.031 (J)	0.079 (J)
10/8/2019	0.33 (J)			
10/9/2019		0.031 (J)	0.03 (J)	0.068 (J)
4/8/2020	0.12	0.051 (J)	0.053 (J)	
4/9/2020				0.11
6/24/2020		0.038 (J)	<0.1	0.094 (J)
6/25/2020	0.067 (J)			
8/18/2020			<0.1	
8/19/2020	0.081 (J)	<0.1		
8/20/2020				<0.1
9/29/2020	0.089 (J)	0.026 (J)	0.029 (J)	
9/30/2020				0.082 (J)
2/9/2021	0.094 (J)	0.056 (J)	<0.1	
2/10/2021				0.12
9/8/2021	0.15	0.044 (J)	0.055 (J)	
9/9/2021				0.17
2/2/2022			0.028 (J)	
2/3/2022	0.068 (J)	0.027 (J)		0.078 (J)
8/31/2022	0.169	<0.1		
9/2/2022			0.082 (J)	0.141
2/2/2023		<0.1		0.176
2/3/2023	0.136 (J)		<0.1	
8/9/2023			0.137	
8/10/2023	0.131	0.0335 (J)		0.129
1/25/2024	0.225	0.153	<0.1	0.296
8/21/2024	0.0719 (J)	<0.1	<0.1	0.0683 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	<0.1	0.11 (J)	<0.1
10/25/2016	0.02 (J)		0.2 (J)
10/26/2016		0.43 (o)	
1/26/2017	<0.1	0.13 (J)	<0.1
4/12/2017	<0.1	0.13 (J)	<0.1
6/21/2017		0.14 (J)	
6/22/2017	<0.1		<0.1
10/25/2017	<0.1		<0.1
10/26/2017		0.13 (J)	
4/10/2018	<0.1		
4/11/2018		0.13 (J)	<0.1
10/17/2018	<0.1	0.16 (J)	<0.1
3/28/2019	<0.1	0.089 (J)	<0.1
8/21/2019	<0.1	0.12 (J)	0.03 (J)
10/9/2019	0.032 (J)	0.085 (J)	0.038 (J)
4/8/2020	0.062 (J)		
4/9/2020		0.16	0.066 (J)
6/23/2020		0.12	
6/25/2020	<0.1		
6/26/2020			0.027 (J)
8/18/2020	<0.1		
8/19/2020			<0.1
8/20/2020		0.054 (J)	
9/29/2020	0.027 (J)		
10/1/2020		0.14	0.041 (J)
2/10/2021	0.033 (J)	0.17	0.051 (J)
9/9/2021		0.18	0.06 (J)
9/10/2021	0.032 (J)		
2/2/2022		0.19	0.043 (J)
2/3/2022	0.074 (J)		
8/31/2022	<0.1	0.172	0.147
2/2/2023	<0.1	0.217	0.182
8/10/2023	<0.1	0.141	0.079 (J)
1/25/2024	0.193	0.295	0.222
8/21/2024	<0.1	0.139	0.0405 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
5/6/2009		<0.002		
5/7/2009			<0.002	
12/3/2009		<0.002	<0.002	
5/25/2010		<0.002	<0.002	
6/2/2010				<0.002
11/9/2010		<0.002		
11/10/2010			<0.002	<0.002
5/19/2011				<0.002
5/24/2011		<0.002		
5/25/2011			<0.002	
11/9/2011				<0.002
11/10/2011		<0.002	<0.002	
5/18/2012		<0.002		
5/30/2012			<0.002	<0.002
11/9/2012		<0.002	<0.002	
11/11/2012				<0.002
5/8/2013		<0.002		
5/9/2013			<0.002	<0.002
11/6/2013		<0.002		
11/11/2013			<0.002	<0.002
5/20/2014		<0.002		
5/21/2014			<0.002	
5/29/2014				<0.002
11/18/2014		<0.002	<0.002	
11/19/2014				<0.002
4/7/2015			<0.002	
4/14/2015		<0.002		<0.002
10/28/2015			<0.002	
10/29/2015		<0.002		
11/4/2015				<0.002
6/23/2016		<0.002	<0.002	<0.002
8/30/2016		<0.002		
8/31/2016			<0.002	<0.002
10/24/2016		0.0002 (J)		
10/25/2016			<0.002	<0.002
1/23/2017		<0.002		0.0013
1/24/2017			<0.002	
4/11/2017		<0.002	<0.002	<0.002
6/20/2017				<0.002
6/21/2017		<0.002	<0.002	
10/25/2017		<0.002	<0.002	<0.002
4/9/2018			<0.002	<0.002
4/10/2018		<0.002		
10/16/2018		<0.002	<0.002	<0.002
3/26/2019			<0.002	
3/27/2019		<0.002		<0.002
8/19/2019			<0.002	
8/20/2019		<0.002		
8/21/2019				0.00019 (J)
10/7/2019				<0.002
10/8/2019		<0.002	0.00013 (J)	
4/6/2020				<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
4/7/2020		<0.002	<0.002	
8/18/2020		<0.002	<0.002	
8/19/2020				<0.002
8/20/2020	<0.002			
9/29/2020		<0.002	<0.002	<0.002
9/30/2020	<0.002			
2/9/2021		<0.002	<0.002	
2/10/2021	<0.002			
2/11/2021				<0.002
9/7/2021		<0.002	<0.002	
9/8/2021	<0.002			<0.002
2/1/2022		<0.002	<0.002	
2/2/2022	<0.002			<0.002
8/30/2022		<0.002		
8/31/2022			<0.002	<0.002
9/2/2022	<0.002			
2/2/2023		<0.002		
2/3/2023			<0.002	
2/7/2023	<0.002			<0.002
8/9/2023	<0.002	<0.002	<0.002	
8/10/2023				<0.002
1/24/2024				<0.002
1/25/2024	<0.002	<0.002	<0.002	
8/20/2024		<0.002		
8/21/2024	<0.002		<0.002	
8/22/2024				<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
12/16/1997		0.162 (o)	<0.002	
6/30/1998		0.013	<0.002	
12/2/1998		0.01	0.002	
6/8/1999		0.004	<0.002	
12/7/1999		0.004	<0.002	
6/15/2000		0.004	<0.002	
12/12/2000		0.00378	<0.002	
12/5/2001		0.003	<0.002	
6/26/2002		0.00815	0.00539	
12/3/2002		0.008	<0.002	
6/11/2003		<0.002	<0.002	
12/10/2003		<0.002	<0.002	
6/15/2004		<0.002	<0.002	
12/14/2004		<0.002	0.013 (o)	
6/2/2005		<0.002	<0.002	
12/14/2005		<0.002	<0.002	
4/5/2006		<0.002	<0.002	
10/30/2006		<0.002	<0.002	
5/10/2007		<0.002	<0.002	
11/17/2007		<0.002	<0.002	
5/3/2008		<0.002	<0.002	
10/22/2008		<0.002	<0.002	
5/6/2009			<0.002	
5/7/2009		<0.002		
5/13/2009				<0.002
12/1/2009			<0.002	
12/3/2009				<0.002
12/4/2009		<0.002		
5/25/2010			<0.002	
5/26/2010				<0.002
6/1/2010		<0.002		
11/9/2010			<0.002	<0.002
11/10/2010		<0.002		
5/19/2011				<0.002
5/24/2011			<0.002	
5/25/2011		<0.002		
11/10/2011			<0.002	
11/11/2011				<0.002
11/12/2011		<0.002		
5/17/2012				<0.002
5/18/2012			<0.002	
5/31/2012		0.0005 (J)		
11/9/2012			<0.002	<0.002
11/11/2012		<0.002		
5/7/2013				<0.002
5/8/2013			<0.002	
5/13/2013		<0.002		
11/6/2013			<0.002	<0.002
11/12/2013		<0.002		
5/20/2014			<0.002	<0.002
5/29/2014		<0.002		
11/17/2014			<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
11/18/2014				<0.002
4/7/2015			<0.002	<0.002
4/14/2015		<0.002		
10/28/2015			<0.002	<0.002
11/3/2015		<0.002		
6/23/2016		<0.002	<0.002	<0.002
8/30/2016			<0.002	
8/31/2016		<0.002		
9/1/2016				<0.002
10/25/2016		<0.002	<0.002	<0.002
1/24/2017		<0.002	<0.002	
1/27/2017				<0.002
4/11/2017		<0.002	<0.002	
4/12/2017				<0.002
6/20/2017		<0.002	<0.002	
6/22/2017				<0.002
10/25/2017		<0.002	<0.002	
10/26/2017				<0.002
4/10/2018		<0.002	<0.002	
4/11/2018				<0.002
10/16/2018		<0.002	<0.002	
10/17/2018				<0.002
3/27/2019		<0.002	<0.002	
3/28/2019				<0.002
8/20/2019		0.00014 (J)	0.00014 (J)	
8/21/2019				<0.002
10/8/2019		0.001	0.00016 (J)	
10/9/2019				<0.002
4/7/2020		<0.002	<0.002	
4/8/2020				0.031
8/18/2020		0.00019 (J)	0.00013 (J)	
8/19/2020				0.00013 (J)
9/29/2020		<0.002	<0.002	
10/1/2020				<0.002
12/1/2020	<0.002			
2/9/2021	<0.002	<0.002	<0.002	<0.002
9/8/2021	<0.002	<0.002	<0.002	
9/10/2021				<0.002
2/1/2022	<0.002	<0.002	<0.002	
2/2/2022				<0.002
8/30/2022			<0.002	
8/31/2022	<0.002	<0.002		<0.002
2/2/2023	<0.002			<0.002
2/3/2023		<0.002	<0.002	
8/9/2023	<0.002	<0.002		<0.002
8/10/2023			<0.002	
1/24/2024	<0.002	<0.002	<0.002	
1/25/2024				<0.002
8/20/2024	<0.002	<0.002		
8/21/2024			<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
5/5/2009	<0.002			
5/12/2009		<0.002	<0.002	<0.002
12/4/2009	<0.002		<0.002	<0.002
12/5/2009		<0.002		
5/25/2010			<0.002	<0.002
5/26/2010		<0.002		
6/1/2010	<0.002			
11/9/2010		<0.002	<0.002	
11/10/2010	<0.002			<0.002
5/19/2011				<0.002
5/24/2011		<0.002	<0.002	
5/25/2011	<0.002			
11/9/2011	<0.002			
11/12/2011		<0.002	<0.002	<0.002
5/17/2012				<0.002
5/30/2012		<0.002	<0.002	
5/31/2012	0.0008 (J)			
11/9/2012		<0.002	<0.002	
11/10/2012	<0.002			<0.002
5/7/2013				<0.002
5/8/2013			<0.002	
5/13/2013	0.025 (o)	<0.002		
11/5/2013				<0.002
11/6/2013		<0.002	<0.002	
11/12/2013	<0.002			
5/20/2014			<0.002	
5/21/2014		<0.002		
5/28/2014	<0.002			<0.002
11/17/2014		<0.002	<0.002	
11/19/2014				<0.002
11/20/2014	<0.002			
4/7/2015		<0.002	<0.002	
4/14/2015	<0.002			
4/15/2015				<0.002
10/28/2015		<0.002	<0.002	
10/29/2015				<0.002
11/3/2015	<0.002			
6/23/2016	<0.002			
6/24/2016		<0.002	<0.002	<0.002
9/1/2016		<0.002	<0.002	<0.002
9/2/2016	0.0056			
10/25/2016		<0.002	<0.002	
10/26/2016	0.0003 (J)			0.0002 (J)
1/26/2017	<0.002	<0.002	<0.002	
1/27/2017				<0.002
4/11/2017		<0.002	<0.002	
4/12/2017	<0.002			<0.002
6/21/2017	<0.002	<0.002	<0.002	<0.002
10/25/2017				<0.002
10/26/2017	<0.002	<0.002	<0.002	
4/10/2018	<0.002	<0.002	<0.002	
4/11/2018				<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
10/16/2018		<0.002		
10/17/2018	0.0016		<0.002	<0.002
3/27/2019	<0.002			<0.002
3/28/2019		<0.002	<0.002	
8/20/2019		<0.002		
8/21/2019	<0.002		<0.002	<0.002
10/8/2019	<0.002			
10/9/2019		<0.002	<0.002	<0.002
4/8/2020	<0.002	<0.002	<0.002	
4/9/2020				<0.002
8/18/2020			<0.002	
8/19/2020	<0.002	<0.002		
8/20/2020				0.00028 (J)
9/29/2020	<0.002	<0.002	<0.002	
9/30/2020				0.0002 (J)
2/9/2021	<0.002	<0.002	<0.002	
2/10/2021				<0.002
9/8/2021	0.0016	<0.002	0.00022 (J)	
9/9/2021				0.00031 (J)
2/2/2022			<0.002	
2/3/2022	<0.002	0.00021 (J)		<0.002
8/31/2022	<0.002	<0.002		
9/2/2022			<0.002	<0.002
2/2/2023		<0.002		<0.002
2/3/2023	<0.002		<0.002	
8/9/2023			<0.002	
8/10/2023	0.000841 (J)	<0.002		<0.002
1/25/2024	<0.002	<0.002	<0.002	<0.002
8/21/2024	0.000948 (J)	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
12/14/2005	<0.002		
4/5/2006	<0.002		
10/30/2006	<0.002		
5/10/2007	0.0032		
11/17/2007	<0.002		
5/2/2008	0.008 (o)		
10/22/2008	<0.002		
5/13/2009			<0.002
5/14/2009	0.00083	<0.002	
12/1/2009	<0.002		
12/3/2009		<0.002	<0.002
5/26/2010	<0.002	<0.002	<0.002
11/9/2010		<0.002	<0.002
11/10/2010	<0.002		
5/18/2011		<0.002	
5/19/2011			<0.002
5/25/2011	<0.002		
11/11/2011	<0.002	<0.002	<0.002
5/17/2012	<0.002	<0.002	<0.002
11/9/2012	<0.002	<0.002	<0.002
5/7/2013		<0.002	<0.002
5/8/2013	<0.002		
11/5/2013	<0.002	<0.002	
11/6/2013			<0.002
5/21/2014	<0.002	<0.002	<0.002
11/17/2014	<0.002		
11/18/2014		<0.002	<0.002
4/7/2015	<0.002	<0.002	<0.002
10/28/2015	<0.002	<0.002	<0.002
6/23/2016	<0.002	<0.002	<0.002
8/31/2016	<0.002	<0.002	<0.002
10/25/2016	<0.002		<0.002
10/26/2016		<0.002	
1/26/2017	<0.002	<0.002	<0.002
4/12/2017	<0.002	<0.002	<0.002
6/21/2017		<0.002	
6/22/2017	<0.002		<0.002
10/25/2017	<0.002		<0.002
10/26/2017		<0.002	
4/10/2018	<0.002		
4/11/2018		<0.002	<0.002
10/17/2018	<0.002	<0.002	<0.002
3/28/2019	<0.002	<0.002	<0.002
8/21/2019	<0.002	<0.002	<0.002
10/9/2019	<0.002	0.00019 (J)	0.00016 (J)
4/8/2020	<0.002		
4/9/2020		<0.002	<0.002
8/18/2020	<0.002		
8/19/2020			<0.002
8/20/2020		<0.002	
9/29/2020	<0.002		
10/1/2020		<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
2/10/2021	<0.002	<0.002	<0.002
9/9/2021		<0.002	<0.002
9/10/2021	<0.002		
2/2/2022		0.00024 (J)	<0.002
2/3/2022	<0.002		
8/31/2022	<0.002	<0.002	<0.002
2/2/2023	<0.002	<0.002	<0.002
8/10/2023	<0.002	<0.002	<0.002
1/25/2024	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		0.0052		
8/31/2016			0.0053	0.0053
10/24/2016		<0.05 (o)		
10/25/2016			0.0048 (J)	<0.01
1/23/2017		0.0039 (J)		0.0043 (J)
1/24/2017			0.0032 (J)	
4/11/2017		0.004 (J)	0.0036 (J)	<0.01
6/20/2017				0.0042 (J)
6/21/2017		0.0041 (J)	0.0052	
10/25/2017		0.0056	0.0059	0.0061
4/9/2018			0.0056	0.0052
4/10/2018		0.007		
10/16/2018		0.0045 (J)	0.0057	0.0052
8/19/2019			0.0058	
8/20/2019		0.0053		
8/21/2019				<0.01
10/7/2019				0.007
10/8/2019		0.0078	0.0099	
4/6/2020				<0.01
4/7/2020		0.0036 (J)	0.0036 (J)	
6/24/2020	0.013			
6/25/2020			0.0067	0.0071
6/26/2020		0.0061		
8/18/2020		0.0039 (J)	0.0042 (J)	
8/19/2020				<0.01
8/20/2020	0.012			
9/29/2020		0.0048 (J)	0.0052	0.0044 (J)
9/30/2020	0.012			
2/9/2021		0.0051	0.0054	
2/10/2021	0.014			
2/11/2021				<0.01
9/7/2021		0.0042 (J)	0.0059	
9/8/2021	0.013			<0.01
2/1/2022		0.0047 (J)	0.0045 (J)	
2/2/2022	0.014			0.0032 (J)
8/30/2022		0.00493 (J)		
8/31/2022			0.00609 (J)	0.00399 (J)
9/2/2022	0.0117			
2/2/2023		0.00499 (J)		
2/3/2023			0.00436 (J)	
2/7/2023	0.0133			0.00426 (J)
8/9/2023	0.013	0.00479 (J)	0.00536 (J)	
8/10/2023				<0.01
1/24/2024				0.00304 (J)
1/25/2024	0.0136	0.00332 (J)	0.00566 (J)	
8/20/2024		0.00366 (J)		
8/21/2024	0.0165		0.00639 (J)	
8/22/2024				0.00312 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			<0.01	
8/31/2016		<0.01		
9/1/2016				<0.01
10/25/2016		<0.01	<0.01	<0.01
1/24/2017		<0.01	<0.01	
1/27/2017				<0.01
4/11/2017		<0.01	<0.01	
4/12/2017				<0.01
6/20/2017		<0.01	<0.01	
6/22/2017				<0.01
10/25/2017		<0.01	<0.01	
10/26/2017				<0.01
4/10/2018		<0.01	<0.01	
4/11/2018				0.0015 (J)
10/16/2018		0.0017 (J)	<0.01	
10/17/2018				0.0011 (J)
8/20/2019		<0.01	<0.01	
8/21/2019				<0.01
10/8/2019		0.0047 (J)	0.0055	
10/9/2019				0.0055
4/7/2020		<0.01	<0.01	
4/8/2020				<0.01
6/23/2020				<0.01
6/25/2020		<0.01	<0.01	
8/18/2020		<0.01	<0.01	
8/19/2020				<0.01
9/29/2020		<0.01	<0.01	
10/1/2020				<0.01
12/1/2020	<0.01			
2/9/2021	<0.01	<0.01	<0.01	<0.01
9/8/2021	<0.01	<0.01	<0.01	
9/10/2021				<0.01
2/1/2022	0.0027 (J)	<0.01	<0.01	
2/2/2022				0.0012 (J)
8/30/2022			<0.01	
8/31/2022	<0.01	<0.01		<0.01
2/2/2023	<0.01			<0.01
2/3/2023		<0.01	<0.01	
8/9/2023	<0.01	<0.01		<0.01
8/10/2023			<0.01	
1/24/2024	<0.01	<0.01	<0.01	
1/25/2024				<0.01
8/20/2024	<0.01	<0.01		
8/21/2024			<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		<0.01	<0.01	0.0033 (J)
9/2/2016	0.0045 (J)			
10/25/2016		<0.01	<0.01	
10/26/2016	0.0025 (J)			0.0037 (J)
1/26/2017	<0.01	<0.01	<0.01	
1/27/2017				0.0048 (J)
4/11/2017		<0.01	<0.01	
4/12/2017	<0.01			0.0039 (J)
6/21/2017	<0.01	<0.01	<0.01	0.0037 (J)
10/25/2017				0.0047 (J)
10/26/2017	<0.01	<0.01	<0.01	
4/10/2018	0.0029 (J)	0.0031 (J)	0.0023 (J)	
4/11/2018				0.0062
10/16/2018		0.0016 (J)		
10/17/2018	<0.01		0.0014 (J)	0.0049 (J)
8/20/2019		<0.01		
8/21/2019	<0.01		<0.01	0.0036 (J)
10/8/2019	0.004 (J)			
10/9/2019		0.0076	0.0071	0.013
4/8/2020	<0.01	<0.01	<0.01	
4/9/2020				<0.005
6/24/2020		<0.01	<0.01	0.0047 (J)
6/25/2020	0.004 (J)			
8/18/2020			<0.01	
8/19/2020	<0.01	<0.01		
8/20/2020				<0.005
9/29/2020	<0.01	<0.01	<0.01	
9/30/2020				0.0048 (J)
2/9/2021	<0.01	<0.01	<0.01	
2/10/2021				0.0041 (J)
9/8/2021	<0.01	<0.01	<0.01	
9/9/2021				0.0047 (J)
2/2/2022			0.0014 (J)	
2/3/2022	0.002 (J)	0.002 (J)		0.0046 (J)
8/31/2022	<0.01	<0.01		
9/2/2022			<0.01	0.0038 (J)
2/2/2023		<0.01		0.00391 (J)
2/3/2023	<0.01		<0.01	
8/9/2023			<0.01	
8/10/2023	<0.01	<0.01		0.0043 (J)
1/25/2024	<0.01	<0.01	<0.01	0.00385 (J)
8/21/2024	<0.01	<0.01	<0.01	0.00449 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	<0.01	0.0039 (J)	<0.01
10/25/2016	0.0024 (J)		<0.01
10/26/2016		0.0025 (J)	
1/26/2017	0.0033 (J)	0.0035 (J)	<0.01
4/12/2017	<0.01	<0.005	<0.01
6/21/2017		<0.005	
6/22/2017	<0.01		<0.01
10/25/2017	0.005		<0.01
10/26/2017		0.0041 (J)	
4/10/2018	0.005		
4/11/2018		0.0041 (J)	<0.01
10/17/2018	0.0025 (J)	0.0037 (J)	<0.01
8/21/2019	0.0034 (J)	<0.005	<0.01
10/9/2019	0.0083	0.0077	0.0061
4/8/2020	<0.01		
4/9/2020		<0.005	<0.01
6/23/2020		0.0042 (J)	
6/25/2020	0.0046 (J)		
6/26/2020			<0.01
8/18/2020	<0.01		
8/19/2020			<0.01
8/20/2020		<0.005	
9/29/2020	<0.01		
10/1/2020		0.0035 (J)	<0.01
2/10/2021	<0.01	<0.005	<0.01
9/9/2021		0.0037 (J)	<0.01
9/10/2021	<0.01		
2/2/2022		0.0039 (J)	<0.01
2/3/2022	0.0031 (J)		
8/31/2022	0.00308 (J)	0.00345 (J)	<0.01
2/2/2023	<0.01	0.00337 (J)	<0.01
8/10/2023	<0.01	0.00333 (J)	<0.01
1/25/2024	<0.01	0.00315 (J)	<0.01
8/21/2024	<0.01	0.00349 (J)	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		<0.0002		
8/31/2016			<0.0002	<0.0002
10/24/2016		<0.0002		
10/25/2016			<0.0002	<0.0002
1/23/2017		<0.0002		<0.0002
1/24/2017			<0.0002	
4/11/2017		<0.0002	<0.0002	<0.0002
6/20/2017				<0.0002
6/21/2017		<0.0002	<0.0002	
10/25/2017		<0.0002	<0.0002	<0.0002
4/9/2018			<0.0002	<0.0002
4/10/2018		7.2E-05 (J)		
10/16/2018		<0.0002	<0.0002	<0.0002
8/19/2019			<0.0002	
8/20/2019		<0.0002		
8/21/2019				<0.0002
4/6/2020				<0.0002
4/7/2020		<0.0002	<0.0002	
8/18/2020		<0.0002	<0.0002	
8/19/2020				<0.0002
8/20/2020	<0.0002			
9/7/2021		<0.0002	<0.0002	
9/8/2021	<0.0002			<0.0002
2/1/2022		<0.0002	<0.0002	
2/2/2022	<0.0002			<0.0002
8/30/2022		<0.0002		
8/31/2022			<0.0002	<0.0002
9/2/2022	<0.0002			
2/2/2023		<0.0002		
2/3/2023			<0.0002	
2/7/2023	<0.0002			<0.0002
8/9/2023	<0.0002	<0.0002	<0.0002	
8/10/2023				<0.0002
1/24/2024				<0.0002
1/25/2024	<0.0002	<0.0002	<0.0002	
8/20/2024		<0.0002		
8/21/2024	<0.0002		<0.0002	
8/22/2024				<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			<0.0002	
8/31/2016		<0.0002		
9/1/2016				<0.0002
10/25/2016		<0.0002	<0.0002	<0.0002
1/24/2017		<0.0002	<0.0002	
1/27/2017				7.7E-05 (J)
4/11/2017		<0.0002	<0.0002	
4/12/2017				<0.0002
6/20/2017		<0.0002	<0.0002	
6/22/2017				<0.0002
10/25/2017		<0.0002	<0.0002	
10/26/2017				<0.0002
4/10/2018		<0.0002	7E-05 (J)	
4/11/2018				<0.0002
10/16/2018		<0.0002	<0.0002	
10/17/2018				<0.0002
8/20/2019		<0.0002	<0.0002	
8/21/2019				<0.0002
4/7/2020		0.00016 (J)	<0.0002	
4/8/2020				<0.0002
8/18/2020		<0.0002	<0.0002	
8/19/2020				<0.0002
12/1/2020	<0.0002			
2/9/2021	<0.0002			
9/8/2021	<0.0002	<0.0002	<0.0002	
9/10/2021				<0.0002
2/1/2022	<0.0002	<0.0002	<0.0002	
2/2/2022				<0.0002
8/30/2022			<0.0002	
8/31/2022	<0.0002	<0.0002		<0.0002
2/2/2023	<0.0002			<0.0002
2/3/2023		<0.0002	<0.0002	
8/9/2023	<0.0002	<0.0002		<0.0002
8/10/2023			<0.0002	
1/24/2024	<0.0002	<0.0002	<0.0002	
1/25/2024				<0.0002
8/20/2024	<0.0002	<0.0002		
8/21/2024			<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		8.8E-05 (J)	<0.0002	<0.0002
9/2/2016	<0.0002			
10/25/2016		<0.0002	<0.0002	
10/26/2016	<0.0002			<0.0002
1/26/2017	<0.0002	7.9E-05 (J)	<0.0002	
1/27/2017				7.4E-05 (J)
4/11/2017		<0.0002	<0.0002	
4/12/2017	<0.0002			<0.0002
6/21/2017	<0.0002	0.00011 (J)	<0.0002	<0.0002
10/25/2017				<0.0002
10/26/2017	<0.0002	9.4E-05 (J)	<0.0002	
4/10/2018	7.1E-05 (J)	9.9E-05 (J)	<0.0002	
4/11/2018				<0.0002
10/16/2018		7E-05 (J)		
10/17/2018	<0.0002		<0.0002	<0.0002
8/20/2019		<0.0002		
8/21/2019	<0.0002		<0.0002	<0.0002
4/8/2020	<0.0002	<0.0002	<0.0002	
4/9/2020				<0.0002
8/18/2020			<0.0002	
8/19/2020	<0.0002	<0.0002		
8/20/2020				<0.0002
9/8/2021	<0.0002	<0.0002	<0.0002	
9/9/2021				<0.0002
2/2/2022			<0.0002	
2/3/2022	<0.0002	<0.0002		<0.0002
8/31/2022	<0.0002	<0.0002		
9/2/2022			<0.0002	<0.0002
2/2/2023		<0.0002		<0.0002
2/3/2023	<0.0002		<0.0002	
8/9/2023			<0.0002	
8/10/2023	<0.0002	<0.0002		<0.0002
1/25/2024	<0.0002	<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	<0.0002	<0.0002	<0.0002
10/25/2016	<0.0002		<0.0002
10/26/2016		<0.0002	
1/26/2017	<0.0002	8.1E-05 (J)	<0.0002
4/12/2017	<0.0002	<0.0002	<0.0002
6/21/2017		<0.0002	
6/22/2017	<0.0002		<0.0002
10/25/2017	<0.0002		<0.0002
10/26/2017		<0.0002	
4/10/2018	7E-05 (J)		
4/11/2018		<0.0002	<0.0002
10/17/2018	<0.0002	<0.0002	<0.0002
8/21/2019	<0.0002	<0.0002	<0.0002
4/8/2020	<0.0002		
4/9/2020		<0.0002	<0.0002
8/18/2020	<0.0002		
8/19/2020			<0.0002
8/20/2020		<0.0002	
9/9/2021		<0.0002	<0.0002
9/10/2021	<0.0002		
2/2/2022		<0.0002	<0.0002
2/3/2022	<0.0002		
8/31/2022	<0.0002	<0.0002	<0.0002
2/2/2023	<0.0002	<0.0002	<0.0002
8/10/2023	<0.0002	<0.0002	<0.0002
1/25/2024	<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		<0.015		
8/31/2016			<0.001	0.004 (J)
10/24/2016		<0.015		
10/25/2016			<0.001	<0.015
1/23/2017		<0.015		<0.015
1/24/2017			<0.001	
4/11/2017		<0.015	<0.001	<0.015
6/20/2017				<0.015
6/21/2017		<0.015	<0.001	
10/25/2017		<0.015	0.0018 (J)	<0.015
4/9/2018			<0.001	<0.015
4/10/2018		<0.015		
10/16/2018		<0.015	<0.001	<0.015
8/19/2019			<0.001	
8/20/2019		<0.015		
8/21/2019				0.002 (J)
10/7/2019				0.00067 (J)
10/8/2019		<0.015	<0.001	
4/6/2020				0.00084 (J)
4/7/2020		<0.015	<0.001	
6/24/2020	0.00079 (J)			
6/25/2020			<0.001	<0.015
6/26/2020		<0.015		
8/18/2020		<0.015	<0.001	
8/19/2020				0.00065 (J)
8/20/2020	<0.001			
9/29/2020		<0.015	<0.001	<0.015
9/30/2020	0.00073 (J)			
2/9/2021		<0.015	<0.001	
2/10/2021	<0.001			
2/11/2021				<0.015
9/7/2021		<0.015	<0.001	
9/8/2021	<0.001			<0.015
2/1/2022		<0.015	<0.001	
2/2/2022	<0.001			<0.015
8/30/2022		0.000274		
8/31/2022			<0.001	0.000862 (J)
9/2/2022	0.000288			
2/2/2023		0.000357 (J)		
2/3/2023			<0.001	
2/7/2023	0.000328 (J)			0.000201 (J)
8/9/2023	<0.001	0.000299 (J)	<0.001	
8/10/2023				0.000738 (J)
1/24/2024				0.000781 (J)
1/25/2024	0.000274 (J)	0.000272 (J)	<0.001	
8/20/2024		0.000249 (J)		
8/21/2024	0.000218 (J)		<0.001	
8/22/2024				0.000727 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			<0.001	
8/31/2016		<0.001		
9/1/2016				<0.001
10/25/2016		<0.001	<0.001	<0.001
1/24/2017		<0.001	<0.001	
1/27/2017				<0.001
4/11/2017		<0.001	<0.001	
4/12/2017				<0.001
6/20/2017		<0.001	<0.001	
6/22/2017				<0.001
10/25/2017		0.00093 (J)	<0.001	
10/26/2017				<0.001
4/10/2018		<0.001	<0.001	
4/11/2018				<0.001
10/16/2018		<0.001	<0.001	
10/17/2018				<0.001
8/20/2019		<0.001	<0.001	
8/21/2019				<0.001
10/8/2019		<0.001	<0.001	
10/9/2019				<0.001
4/7/2020		<0.001	<0.001	
4/8/2020				<0.001
6/23/2020				<0.001
6/25/2020		<0.001	<0.001	
8/18/2020		<0.001	<0.001	
8/19/2020				<0.001
9/29/2020		<0.001	<0.001	
10/1/2020				<0.001
12/1/2020	<0.001			
2/9/2021	<0.001	<0.001	<0.001	<0.001
9/8/2021	<0.001	<0.001	<0.001	
9/10/2021				<0.001
2/1/2022	<0.001	<0.001	<0.001	
2/2/2022				<0.001
8/30/2022			<0.001	
8/31/2022	<0.001	<0.001		<0.001
2/2/2023	<0.001			<0.001
2/3/2023		0.000393 (J)	0.000302 (J)	
8/9/2023	<0.001	<0.001		<0.001
8/10/2023			<0.001	
1/24/2024	<0.001	0.000236 (J)	<0.001	
1/25/2024				<0.001
8/20/2024	<0.001	<0.001		
8/21/2024			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		<0.001	<0.001	<0.001
9/2/2016	0.0015 (J)			
10/25/2016		<0.001	<0.001	
10/26/2016	<0.015			<0.001
1/26/2017	<0.015	<0.001	<0.001	
1/27/2017				<0.001
4/11/2017		<0.001	<0.001	
4/12/2017	<0.015			<0.001
6/21/2017	<0.015	<0.001	<0.001	<0.001
10/25/2017				<0.001
10/26/2017	<0.015	<0.001	<0.001	
4/10/2018	0.00097 (J)	<0.001	<0.001	
4/11/2018				<0.001
10/16/2018		<0.001		
10/17/2018	<0.015		<0.001	<0.001
8/20/2019		<0.001		
8/21/2019	0.0017 (J)		<0.001	<0.001
10/8/2019	0.0011 (J)			
10/9/2019		<0.001	<0.001	<0.001
4/8/2020	0.00075 (J)	<0.001	<0.001	
4/9/2020				<0.001
6/24/2020		<0.001	<0.001	<0.001
6/25/2020	0.00086 (J)			
8/18/2020			<0.001	
8/19/2020	0.0016 (J)	<0.001		
8/20/2020				<0.001
9/29/2020	0.0019 (J)	<0.001	<0.001	
9/30/2020				<0.001
2/9/2021	0.0012 (J)	<0.001	<0.001	
2/10/2021				<0.001
9/8/2021	0.0017 (J)	<0.001	<0.001	
9/9/2021				<0.001
2/2/2022			<0.001	
2/3/2022	0.0011 (J)	<0.001		<0.001
8/31/2022	0.00179	<0.001		
9/2/2022			<0.001	<0.001
2/2/2023		<0.001		0.000288 (J)
2/3/2023	0.000959 (J)		<0.001	
8/9/2023			<0.001	
8/10/2023	0.00212	<0.001		<0.001
1/25/2024	0.000948 (J)	<0.001	<0.001	<0.001
8/21/2024	0.00192	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	<0.001	0.034	<0.001
10/25/2016	<0.001		<0.001
10/26/2016		0.0377	
1/26/2017	<0.001	0.04	<0.001
4/12/2017	<0.001	0.035	<0.001
6/21/2017		0.038	
6/22/2017	<0.001		<0.001
10/25/2017	<0.001		<0.001
10/26/2017		0.041	
4/10/2018	<0.001		
4/11/2018		0.037	<0.001
10/17/2018	<0.001	0.036	<0.001
8/21/2019	<0.001	0.051	<0.001
10/9/2019	<0.001	0.049	<0.001
4/8/2020	<0.001		
4/9/2020		0.039	<0.001
6/23/2020		0.043	
6/25/2020	<0.001		
6/26/2020			<0.001
8/18/2020	<0.001		
8/19/2020			<0.001
8/20/2020		0.042	
9/29/2020	<0.001		
10/1/2020		0.043	<0.001
2/10/2021	<0.001	0.041	<0.001
9/9/2021		0.043	<0.001
9/10/2021	<0.001		
2/2/2022		0.042	<0.001
2/3/2022	<0.001		
8/31/2022	<0.001	0.0437	<0.001
2/2/2023	<0.001	0.0428	<0.001
8/10/2023	<0.001	0.0424	<0.001
1/25/2024	<0.001	0.0446	<0.001
8/21/2024	<0.001	0.0377	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH (SU) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		6.82 (o)		
8/31/2016			6.67 (o)	7.55 (o)
10/24/2016		5.99		
10/25/2016			5.8	6.92
1/23/2017		5.94		6.76
1/24/2017			5.82	
4/11/2017		5.88	5.78	6.72
6/20/2017				6.66
6/21/2017		5.73	5.67	
10/25/2017		6.13	5.72	6.77
4/9/2018			5.78	6.6
4/10/2018		5.95		
10/16/2018		5.94	5.74	6.63
3/26/2019			5.96	
3/27/2019		6		6.83
8/19/2019			5.59	
8/20/2019		5.89		
8/21/2019				6.94
10/7/2019				6.69
10/8/2019		5.93	5.74	
1/15/2020	6.36			
4/6/2020				6.65
4/7/2020		5.91	5.84	
6/24/2020	5.78			
6/25/2020			5.8	6.38
6/26/2020		5.94		
8/18/2020		6.48	6.15	
8/19/2020				6.62
8/20/2020	5.77			
9/29/2020		5.88	5.75	6.8
9/30/2020	5.94			
2/9/2021		5.92	5.79	
2/10/2021	5.64			
2/11/2021				7.02
9/7/2021		5.89	5.71	
9/8/2021	5.52			7.04
2/1/2022		5.97	5.86	
2/2/2022	6.17			6.41
8/30/2022		5.88		
8/31/2022			5.53	6.8
9/2/2022	5.65			
2/2/2023		5.86		
2/3/2023			5.84	
2/7/2023	5.64			6.25
8/9/2023	5.62	6.13	5.94	
8/10/2023				6.43
1/24/2024				6.84
1/25/2024	5.59	5.85	5.76	
8/20/2024		5.96		
8/21/2024	5.62		5.79	6.8

Time Series

Constituent: pH (SU) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			6.07	
8/31/2016		6.09		6.16
10/25/2016		5.92	5.96	6.02
1/24/2017		5.98	5.89	
1/27/2017				5.98
4/11/2017		5.82	5.78	
4/12/2017				5.87
6/20/2017		5.8	5.69	
6/22/2017				5.68
10/25/2017		5.89	6.11	
10/26/2017				6.07
4/10/2018		5.85	5.58	
4/11/2018				5.72
10/16/2018		6.03	5.86	
10/17/2018				5.9
3/27/2019		6.1	5.97	
3/28/2019				6.05
8/20/2019		5.83	5.8	
8/21/2019				5.82
10/8/2019		5.96	5.93	
10/9/2019				5.94
4/7/2020		5.9	5.86	
4/8/2020				5.95
6/23/2020				5.95
6/25/2020		5.75	5.87	
8/18/2020		6.47	6.18	
8/19/2020				7.06
9/29/2020		6.02	6	
10/1/2020				5.83
12/1/2020	5.85			
2/9/2021	5.69	5.94	5.88	5.94
2/11/2021		5.94	5.87	
9/8/2021	5.8	5.97	5.93	
9/10/2021				6.01
2/1/2022	5.77	5.93	5.83	
2/2/2022				5.95
8/30/2022			5.88	
8/31/2022	5.65	5.96		5.96
2/2/2023	5.62			5.86
2/3/2023		6.07	5.93	
8/9/2023	5.7	5.83		5.99
8/10/2023			5.61	
1/24/2024	5.7	6.03	5.81	
1/25/2024				5.9
8/20/2024	5.71	6.05		
8/21/2024			5.72	5.96

Time Series

Constituent: pH (SU) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		5.49	5.52	6.19
9/2/2016	6.54			
10/25/2016	6.25	5.29	5.45	
10/26/2016	6.23			6.03
1/26/2017	6.4	5.29	5.43	
1/27/2017				6.01
4/11/2017		5.21	5.33	
4/12/2017	6.1			5.97
6/21/2017	6.11	5.21	5.3	5.9
10/25/2017				5.97
10/26/2017	6.2	5.2	5.29	
4/10/2018	6.17	5.34	5.46	
4/11/2018				5.87
10/16/2018		5.47		
10/17/2018	6.34		5.32	5.9
3/27/2019	6.6			6.06
3/28/2019		5.31	5.36	
8/20/2019		5.35		
8/21/2019	6.3		5.07	5.94
10/8/2019	6.38			
10/9/2019		5.22	5.27	6.01
4/8/2020	6.26	5.07	5.02	
4/9/2020				5.98
6/24/2020		5.2	5.11	5.91
6/25/2020	6.32			
8/18/2020			5.07	
8/19/2020	6.47	5.24		
8/20/2020				6.43
9/29/2020	7.11	5.5	5.75	
9/30/2020				5.98
2/9/2021	6.43	5.24	5.17	
2/10/2021				5.99
2/11/2021		5.23		6.03
9/8/2021	6.48	5.32	5.15	
9/9/2021				6.04
2/2/2022			5.15	
2/3/2022	6.39	5.26		6
8/31/2022	6.46	5.18		
9/2/2022			5.11	6.03
2/2/2023		5.18		6.12
2/3/2023	6.73		5.22	
8/9/2023			4.99	
8/10/2023	6.36	5.15		6.09
1/25/2024	6.24	5.22	5.13	6.08
8/21/2024	6.26	5.24	5.15	6

Time Series

Constituent: pH (SU) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	5.98	6.62	6.1
10/25/2016	5.81		5.92
10/26/2016		6.44	
1/26/2017	5.73	6.34	5.82
4/12/2017	5.65	6.36	5.79
6/21/2017		6.28	
6/22/2017	5.69		5.64
10/25/2017	5.99		5.7
10/26/2017		6.47	
4/10/2018	5.6		
4/11/2018		6.34	5.69
10/17/2018	5.67	6.2	5.81
3/28/2019	5.85		5.97
3/29/2019		6.55	
8/21/2019	5.77	6.36	5.76
10/9/2019	5.76	6.47	5.9
4/8/2020	5.75		
4/9/2020		6.42	5.9
6/23/2020		6.37	
6/25/2020	5.75		
6/26/2020			5.85
8/18/2020	6.7		
8/19/2020			7.21
8/20/2020		6.34	
9/29/2020	5.92		
10/1/2020		6.44	5.78
2/10/2021	5.77	6.45	5.91
2/11/2021			5.95
9/9/2021		6.4	5.91
9/10/2021	5.83		
2/2/2022		6.43	5.95
2/3/2022	5.74		
8/31/2022	5.98	6.38	5.98
2/2/2023	5.85	6.53	6
8/10/2023	5.69	6.63	6.1
1/25/2024	5.74	6.51	5.96
8/21/2024	5.74	6.51	5.97

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
5/6/2009		0.0054		
5/7/2009			0.0059	
12/3/2009		0.006	0.0057	
5/25/2010		<0.005	<0.005	
6/2/2010				<0.005
11/9/2010		<0.005		
11/10/2010			<0.005	<0.005
5/19/2011				<0.005
5/24/2011		<0.005		
5/25/2011			<0.005	
11/9/2011				<0.005
11/10/2011		<0.005	<0.005	
5/18/2012		<0.005		
5/30/2012			<0.005	<0.005
11/9/2012		<0.005	<0.005	
11/11/2012				<0.005
5/8/2013		<0.005		
5/9/2013			<0.005	<0.005
11/6/2013		<0.005		
11/11/2013			<0.005	<0.005
5/20/2014		<0.005		
5/21/2014			<0.005	
5/29/2014				<0.005
11/18/2014		<0.005	0.0083	
11/19/2014				<0.005
4/7/2015			<0.005	
4/14/2015		<0.005		<0.005
10/28/2015			0.023	
10/29/2015		<0.005		
11/4/2015				<0.005
6/23/2016		<0.005	0.0096	<0.005
8/30/2016		<0.005		
8/31/2016			0.017	0.00077 (J)
10/24/2016		<0.005		
10/25/2016			0.0257	<0.005
1/23/2017		<0.005		0.00037 (J)
1/24/2017			0.0097	
4/11/2017		<0.005	0.0079	<0.005
6/20/2017				0.00044 (J)
6/21/2017		0.00025 (J)	0.019	
10/25/2017		0.00027 (J)	0.022	0.00038 (J)
4/9/2018			0.0063	<0.005
4/10/2018		0.00033 (J)		
10/16/2018		<0.005	0.021	<0.005
3/26/2019			0.015	
3/27/2019		<0.005		<0.005
8/19/2019			0.034	
8/20/2019		<0.005		
8/21/2019				<0.005
10/7/2019				<0.005
10/8/2019		<0.005	0.03	
4/6/2020				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
4/7/2020		<0.005	0.0094	
8/18/2020		<0.005	0.019	
8/19/2020				<0.005
8/20/2020	<0.005			
9/29/2020		<0.005	0.021	<0.005
9/30/2020	<0.005			
2/9/2021		<0.005	0.019	
2/10/2021	<0.005			
2/11/2021				<0.005
9/7/2021		<0.005	0.032	
9/8/2021	<0.005			<0.005
2/1/2022		<0.005	0.013	
2/2/2022	0.0011 (J)			<0.005
8/30/2022		<0.005		
8/31/2022			0.0259	<0.005
9/2/2022	<0.005			
2/2/2023		<0.005		
2/3/2023			0.00739	
2/7/2023	<0.005			<0.005
8/9/2023	<0.005	<0.005	0.0279	
8/10/2023				<0.005
1/24/2024				<0.005
1/25/2024	0.00276 (J)	<0.005	0.0173	
8/20/2024		<0.005		
8/21/2024	0.00323 (J)		0.0209	
8/22/2024				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
12/16/1997		<0.005	<0.005	
6/30/1998		<0.005	<0.005	
12/2/1998		<0.005	<0.005	
6/8/1999		<0.005	<0.005	
12/7/1999		<0.005	<0.005	
6/15/2000		<0.005	<0.005	
12/12/2000		<0.005	<0.005	
12/5/2001		<0.005	<0.005	
6/26/2002		<0.005	<0.005	
12/3/2002		<0.005	<0.005	
6/11/2003		<0.005	<0.005	
12/10/2003		<0.005	<0.005	
6/15/2004		<0.005	<0.005	
12/14/2004		<0.005	<0.005	
6/2/2005		<0.005	<0.005	
12/14/2005		<0.005	<0.005	
4/5/2006		<0.005	<0.005	
10/30/2006		<0.005	<0.005	
5/10/2007		<0.005	<0.005	
11/17/2007		<0.005	<0.005	
5/3/2008		<0.005	<0.005	
10/22/2008		<0.005	<0.005	
5/6/2009			0.0047	
5/7/2009		0.0049		
5/13/2009				0.005
12/1/2009			0.0046	
12/3/2009				0.0057
12/4/2009		<0.005		
5/25/2010			<0.005	
5/26/2010				<0.005
6/1/2010		<0.005		
11/9/2010			<0.005	<0.005
11/10/2010		<0.005		
5/19/2011				<0.005
5/24/2011			<0.005	
5/25/2011		<0.005		
11/10/2011			<0.005	
11/11/2011				<0.005
11/12/2011		<0.005		
5/17/2012				<0.005
5/18/2012			<0.005	
5/31/2012		<0.005		
11/9/2012			<0.005	<0.005
11/11/2012		<0.005		
5/7/2013				<0.005
5/8/2013			<0.005	
5/13/2013		<0.005		
11/6/2013			<0.005	<0.005
11/12/2013		<0.005		
5/20/2014			<0.005	<0.005
5/29/2014		<0.005		
11/17/2014			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
11/18/2014				<0.005
4/7/2015			<0.005	<0.005
4/14/2015		<0.005		
10/28/2015			<0.005	<0.005
11/3/2015		<0.005		
6/23/2016		<0.005	<0.005	<0.005
8/30/2016			<0.005	
8/31/2016		<0.005		
9/1/2016				<0.005
10/25/2016		<0.005	<0.005	<0.005
1/24/2017		<0.005	<0.005	
1/27/2017				<0.005
4/11/2017		<0.005	<0.005	
4/12/2017				<0.005
6/20/2017		<0.005	<0.005	
6/22/2017				<0.005
10/25/2017		0.00032 (J)	0.00027 (J)	
10/26/2017				<0.005
4/10/2018		<0.005	<0.005	
4/11/2018				<0.005
10/16/2018		<0.005	<0.005	
10/17/2018				<0.005
3/27/2019		<0.005	<0.005	
3/28/2019				<0.005
8/20/2019		<0.005	<0.005	
8/21/2019				<0.005
10/8/2019		<0.005	<0.005	
10/9/2019				<0.005
4/7/2020		<0.005	<0.005	
4/8/2020				<0.005
8/18/2020		<0.005	<0.005	
8/19/2020				<0.005
9/29/2020		<0.005	<0.005	
10/1/2020				<0.005
12/1/2020	<0.005			
2/9/2021	<0.005	<0.005	<0.005	<0.005
9/8/2021	<0.005	<0.005	<0.005	
9/10/2021				0.0017 (J)
2/1/2022	<0.005	<0.005	<0.005	
2/2/2022				<0.005
8/30/2022			<0.005	
8/31/2022	<0.005	<0.005		<0.005
2/2/2023	<0.005			<0.005
2/3/2023		<0.005	<0.005	
8/9/2023	<0.005	<0.005		<0.005
8/10/2023			<0.005	
1/24/2024	<0.005	<0.005	<0.005	
1/25/2024				<0.005
8/20/2024	<0.005	<0.005		
8/21/2024			<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
5/5/2009	0.0041			
5/12/2009		0.0062	0.0059	0.0039
12/4/2009	<0.005		<0.005	<0.005
12/5/2009		<0.005		
5/25/2010			<0.005	<0.005
5/26/2010		<0.005		
6/1/2010	<0.005			
11/9/2010		<0.005	<0.005	
11/10/2010	<0.005			<0.005
5/19/2011				<0.005
5/24/2011		<0.005	<0.005	
5/25/2011	<0.005			
11/9/2011	<0.005			
11/12/2011		<0.005	<0.005	<0.005
5/17/2012				0.0006 (J)
5/30/2012		0.0016 (J)	<0.005	
5/31/2012	<0.005			
11/9/2012		<0.005	<0.005	
11/10/2012	<0.005			<0.005
5/7/2013				<0.005
5/8/2013			<0.005	
5/13/2013	<0.005	<0.005		
11/5/2013				<0.005
11/6/2013		<0.005	<0.005	
11/12/2013	<0.005			
5/20/2014			<0.005	
5/21/2014		<0.005		
5/28/2014	<0.005			<0.005
11/17/2014		<0.005	<0.005	
11/19/2014				<0.005
11/20/2014	<0.005			
4/7/2015		<0.005	<0.005	
4/14/2015	<0.005			
4/15/2015				<0.005
10/28/2015		<0.005	<0.005	
10/29/2015				<0.005
11/3/2015	<0.005			
6/23/2016	<0.005			
6/24/2016		0.0014	<0.005	<0.005
9/1/2016		0.0014	<0.005	<0.005
9/2/2016	0.0005 (J)			
10/25/2016		0.0015 (J)	<0.005	
10/26/2016	<0.005			<0.005
1/26/2017	<0.005	0.00071 (J)	<0.005	
1/27/2017				<0.005
4/11/2017		0.0011 (J)	<0.005	
4/12/2017	<0.005			<0.005
6/21/2017	<0.005	0.00075 (J)	<0.005	<0.005
10/25/2017				<0.005
10/26/2017	0.0004 (J)	0.0012 (J)	<0.005	
4/10/2018	0.00044 (J)	0.0013	<0.005	
4/11/2018				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
10/16/2018		0.00072 (J)		
10/17/2018	<0.005		<0.005	<0.005
3/27/2019	<0.005			<0.005
3/28/2019		0.0017	<0.005	
8/20/2019		<0.005		
8/21/2019	<0.005		<0.005	<0.005
10/8/2019	<0.005			
10/9/2019		0.0018 (J)	<0.005	<0.005
4/8/2020	<0.005	0.0022 (J)	<0.005	
4/9/2020				<0.005
8/18/2020			<0.005	
8/19/2020	<0.005	0.0029 (J)		
8/20/2020				<0.005
9/29/2020	<0.005	0.0025 (J)	<0.005	
9/30/2020				<0.005
2/9/2021	<0.005	0.0019 (J)	<0.005	
2/10/2021				<0.005
9/8/2021	<0.005	0.0024 (J)	<0.005	
9/9/2021				<0.005
2/2/2022			0.00076 (J)	
2/3/2022	<0.005	0.0032 (J)		<0.005
8/31/2022	<0.005	0.00287 (J)		
9/2/2022			<0.005	<0.005
2/2/2023		0.00466 (J)		<0.005
2/3/2023	<0.005		<0.005	
8/9/2023			0.00231 (J)	
8/10/2023	<0.005	0.00421 (J)		<0.005
1/25/2024	<0.005	0.00555	<0.005	<0.005
8/21/2024	<0.005	0.00497 (J)	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
12/14/2005	<0.005		
4/5/2006	<0.005		
10/30/2006	<0.005		
5/10/2007	<0.005		
11/17/2007	<0.005		
5/2/2008	<0.005		
10/22/2008	<0.005		
5/13/2009			0.0049
5/14/2009	0.0046	0.0035	
12/1/2009	0.0019		
12/3/2009		<0.005	0.0045
5/26/2010	<0.005	<0.005	<0.005
11/9/2010		<0.005	<0.005
11/10/2010	<0.005		
5/18/2011		<0.005	
5/19/2011			<0.005
5/25/2011	<0.005		
11/11/2011	<0.005	<0.005	<0.005
5/17/2012	<0.005	<0.005	<0.005
11/9/2012	<0.005	<0.005	<0.005
5/7/2013		<0.005	<0.005
5/8/2013	<0.005		
11/5/2013	<0.005	<0.005	
11/6/2013			<0.005
5/21/2014	<0.005	<0.005	<0.005
11/17/2014	<0.005		
11/18/2014		<0.005	<0.005
4/7/2015	<0.005	<0.005	<0.005
10/28/2015	<0.005	<0.005	<0.005
6/23/2016	0.00029 (J)	<0.005	<0.005
8/31/2016	<0.005	<0.005	0.00024 (J)
10/25/2016	<0.005		<0.005
10/26/2016		<0.005	
1/26/2017	<0.005	<0.005	<0.005
4/12/2017	<0.005	<0.005	<0.005
6/21/2017		<0.005	
6/22/2017	<0.005		<0.005
10/25/2017	<0.005		0.00029 (J)
10/26/2017		<0.005	
4/10/2018	<0.005		
4/11/2018		<0.005	<0.005
10/17/2018	<0.005	<0.005	<0.005
3/28/2019	<0.005	<0.005	<0.005
8/21/2019	<0.005	<0.005	<0.005
10/9/2019	<0.005	<0.005	<0.005
4/8/2020	<0.005		
4/9/2020		<0.005	<0.005
8/18/2020	<0.005		
8/19/2020			<0.005
8/20/2020		<0.005	
9/29/2020	<0.005		
10/1/2020		<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
2/10/2021	<0.005	<0.005	<0.005
9/9/2021		<0.005	<0.005
9/10/2021	0.0028 (J)		
2/2/2022		<0.005	<0.005
2/3/2022	<0.005		
8/31/2022	<0.005	<0.005	<0.005
2/2/2023	<0.005	<0.005	<0.005
8/10/2023	<0.005	<0.005	<0.005
1/25/2024	<0.005	<0.005	<0.005
8/21/2024	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
5/6/2009		<0.001		
5/7/2009			<0.001	
12/3/2009		<0.001	<0.001	
5/25/2010		<0.001	<0.001	
6/2/2010				<0.001
11/9/2010		<0.001		
11/10/2010			<0.001	<0.001
5/19/2011				<0.001
5/24/2011		<0.001		
5/25/2011			<0.001	
5/18/2012		0.0001 (J)		
5/30/2012			<0.001	<0.001
11/9/2012		<0.001	<0.001	
11/11/2012				<0.001
5/8/2013		<0.001		
5/9/2013			<0.001	<0.001
11/6/2013		<0.001		
11/11/2013			<0.001	<0.001
5/20/2014		<0.001		
5/21/2014			<0.001	
5/29/2014				<0.001
11/18/2014		<0.001	<0.001	
11/19/2014				<0.001
4/7/2015			<0.001	
4/14/2015		<0.001		<0.001
10/28/2015			<0.001	
10/29/2015		<0.001		
11/4/2015				<0.001
6/23/2016		<0.001	<0.001	<0.001
10/24/2016		<0.001		
10/25/2016			<0.001	<0.001
4/11/2017		<0.001	<0.001	<0.001
10/25/2017		<0.001	0.00013 (J)	<0.001
4/9/2018			<0.001	<0.001
4/10/2018		<0.001		
10/16/2018		<0.001	<0.001	<0.001
3/26/2019			<0.001	
3/27/2019		<0.001		<0.001
10/7/2019				0.00022 (J)
10/8/2019		<0.001	0.00047 (J)	
4/6/2020				<0.001
4/7/2020		<0.001	<0.001	
9/29/2020		<0.001	<0.001	<0.001
9/30/2020	<0.001			
2/9/2021		<0.001	<0.001	
2/10/2021	<0.001			
2/11/2021				<0.001
9/7/2021		<0.001	<0.001	
9/8/2021	<0.001			<0.001
2/1/2022		<0.001	<0.001	
2/2/2022	<0.001			<0.001
8/30/2022		<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/31/2022			<0.001	<0.001
9/2/2022	<0.001			
2/2/2023		<0.001		
2/3/2023			<0.001	
2/7/2023	<0.001			<0.001
8/9/2023	<0.001	<0.001	<0.001	
8/10/2023				<0.001
1/24/2024				<0.001
1/25/2024	<0.001	<0.001	<0.001	
8/20/2024		<0.001		
8/21/2024	<0.001		<0.001	
8/22/2024				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 10/3/2024 12:14 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
12/16/1997		0.035 (o)	<0.001	
6/30/1998		<0.001	<0.001	
12/2/1998		<0.001	<0.001	
6/8/1999		<0.001	<0.001	
12/7/1999		<0.001	<0.001	
6/15/2000		<0.001	<0.001	
12/12/2000		0.0051	<0.001	
12/5/2001		<0.001	<0.001	
6/26/2002		<0.001	<0.001	
12/3/2002		<0.001	<0.001	
6/11/2003		<0.001	<0.001	
12/10/2003		0.003	0.002 (o)	
6/15/2004		<0.001	<0.001	
12/14/2004		<0.001	<0.001	
6/2/2005		<0.001	<0.001	
12/14/2005		<0.001	<0.001	
4/5/2006		<0.001	<0.001	
10/30/2006		0.002	<0.001	
5/10/2007		0.0017	<0.001	
11/17/2007		<0.001	<0.001	
5/3/2008		<0.001	<0.001	
10/22/2008		<0.001	<0.001	
5/6/2009			<0.001	
5/7/2009		<0.001		
5/13/2009				0.0009
12/1/2009			<0.001	
12/3/2009				0.00083
12/4/2009		<0.001		
5/25/2010			<0.001	
5/26/2010				<0.001
6/1/2010		<0.001		
11/9/2010			<0.001	<0.001
11/10/2010		<0.001		
5/19/2011				<0.001
5/24/2011			<0.001	
5/25/2011		<0.001		
5/17/2012				<0.001
5/18/2012			<0.001	
5/31/2012		<0.001		
11/9/2012			<0.001	<0.001
11/11/2012		<0.001		
5/7/2013				<0.001
5/8/2013			<0.001	
5/13/2013		<0.001		
11/6/2013			<0.001	<0.001
11/12/2013		<0.001		
5/20/2014			<0.001	<0.001
5/29/2014		<0.001		
11/17/2014			<0.001	
11/18/2014				<0.001
4/7/2015			<0.001	<0.001
4/14/2015		<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
10/28/2015			<0.001	<0.001
11/3/2015		<0.001		
6/23/2016		<0.001	<0.001	<0.001
10/25/2016		<0.001	<0.001	<0.001
4/11/2017		<0.001	<0.001	
4/12/2017				<0.001
10/25/2017		<0.001	<0.001	
10/26/2017				<0.001
4/10/2018		<0.001	<0.001	
4/11/2018				<0.001
10/16/2018		<0.001	<0.001	
10/17/2018				<0.001
3/27/2019		<0.001	<0.001	
3/28/2019				<0.001
10/8/2019		0.00019 (J)	0.0003 (J)	
10/9/2019				<0.001
4/7/2020		<0.001	<0.001	
4/8/2020				<0.001
9/29/2020		<0.001	<0.001	
10/1/2020				<0.001
12/1/2020	<0.001 (D)			
2/9/2021	<0.001	<0.001	<0.001	<0.001
9/8/2021	<0.001	<0.001	<0.001	
9/10/2021				<0.001
2/1/2022	<0.001	<0.001	<0.001	
2/2/2022				<0.001
8/30/2022			<0.001	
8/31/2022	<0.001	<0.001		<0.001
2/2/2023	<0.001			<0.001
2/3/2023		<0.001	<0.001	
8/9/2023	<0.001	<0.001		<0.001
8/10/2023			<0.001	
1/24/2024	<0.001	<0.001	<0.001	
1/25/2024				<0.001
8/20/2024	<0.001	<0.001		
8/21/2024			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
5/5/2009	<0.001			
5/12/2009		0.0011	0.0011	<0.001
12/4/2009	0.00098		0.0014	0.0008
12/5/2009		0.0004		
5/25/2010			<0.001	<0.001
5/26/2010		<0.001		
6/1/2010	<0.001			
11/9/2010		<0.001	<0.001	
11/10/2010	<0.001			<0.001
5/19/2011				<0.001
5/24/2011		<0.001	<0.001	
5/25/2011	<0.001			
5/17/2012				<0.001
5/30/2012		<0.001	<0.001	
5/31/2012	<0.001			
11/9/2012		<0.001	<0.001	
11/10/2012	<0.001			<0.001
5/7/2013				<0.001
5/8/2013			<0.001	
5/13/2013	<0.001	<0.001		
11/5/2013				<0.001
11/6/2013		<0.001	<0.001	
11/12/2013	<0.001			
5/20/2014			<0.001	
5/21/2014		<0.001		
5/28/2014	<0.001			<0.001
11/17/2014		<0.001	<0.001	
11/19/2014				<0.001
11/20/2014	<0.001			
4/7/2015		<0.001	<0.001	
4/14/2015	<0.001			
4/15/2015				<0.001
10/28/2015		<0.001	<0.001	
10/29/2015				<0.001
11/3/2015	<0.001			
6/23/2016	<0.001			
6/24/2016		<0.001	<0.001	<0.001
10/25/2016		<0.001	<0.001	
10/26/2016	<0.001			<0.001
4/11/2017		<0.001	<0.001	
4/12/2017	<0.001			<0.001
10/25/2017				<0.001
10/26/2017	0.00037 (J)	0.00026 (J)	<0.001	
4/10/2018	<0.001	<0.001	<0.001	
4/11/2018				<0.001
10/16/2018		<0.001		
10/17/2018	<0.001		<0.001	<0.001
3/27/2019	<0.001			<0.001
3/28/2019		<0.001	<0.001	
10/8/2019	0.00018 (J)			
10/9/2019		<0.001	<0.001	<0.001
4/8/2020	<0.001	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
4/9/2020				<0.001
9/29/2020	<0.001	<0.001	<0.001	
9/30/2020				<0.001
2/9/2021	<0.001	<0.001	<0.001	
2/10/2021				<0.001
9/8/2021	<0.001	<0.001	<0.001	
9/9/2021				<0.001
2/2/2022			<0.001	
2/3/2022	<0.001	<0.001		<0.001
8/31/2022	<0.001	<0.001		
9/2/2022			<0.001	<0.001
2/2/2023		<0.001		<0.001
2/3/2023	<0.001		<0.001	
8/9/2023			<0.001	
8/10/2023	<0.001	<0.001		<0.001
1/25/2024	<0.001	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
12/14/2005	<0.001		
4/5/2006	<0.001		
10/30/2006	<0.001		
5/10/2007	0.0011		
11/17/2007	<0.001		
5/2/2008	<0.001		
10/22/2008	<0.001		
5/13/2009			0.0024 (o)
5/14/2009	<0.001	<0.001	
12/1/2009	<0.001		
12/3/2009		<0.001	0.0007
5/26/2010	<0.001	<0.001	<0.001
11/9/2010		<0.001	<0.001
11/10/2010	<0.001		
5/18/2011		<0.001	
5/19/2011			<0.001
5/25/2011	<0.001		
5/17/2012	<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001	<0.001
5/7/2013		<0.001	<0.001
5/8/2013	<0.001		
11/5/2013	<0.001	<0.001	
11/6/2013			<0.001
5/21/2014	<0.001	<0.001	<0.001
11/17/2014	<0.001		
11/18/2014		<0.001	<0.001
4/7/2015	<0.001	<0.001	<0.001
10/28/2015	<0.001	<0.001	<0.001
6/23/2016	<0.001	<0.001	<0.001
10/25/2016	<0.001		<0.001
10/26/2016		<0.001	
4/12/2017	<0.001	<0.001	<0.001
10/25/2017	<0.001		<0.001
10/26/2017		<0.001	
4/10/2018	<0.001		
4/11/2018		<0.001	<0.001
10/17/2018	<0.001	<0.001	<0.001
3/28/2019	<0.001	<0.001	<0.001
10/9/2019	<0.001	<0.001	<0.001
4/8/2020	<0.001		
4/9/2020		<0.001	<0.001
9/29/2020	<0.001		
10/1/2020		<0.001	<0.001
2/10/2021	<0.001	<0.001	<0.001
9/9/2021		<0.001	<0.001
9/10/2021	<0.001		
2/2/2022		<0.001	<0.001
2/3/2022	<0.001		
8/31/2022	<0.001	<0.001	<0.001
2/2/2023	<0.001	<0.001	<0.001
8/10/2023	<0.001	<0.001	<0.001
1/25/2024	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/21/2024	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
5/6/2009		16.6		
5/7/2009			21.4	
12/3/2009		12.3	11.6	
5/25/2010		6.44	12.3	
6/2/2010				129
11/9/2010		6.83		
11/10/2010			10.6	140
5/19/2011				269
5/24/2011		8.55		
5/25/2011			11.9	
11/9/2011				308
11/10/2011		9.74	100	
5/18/2012		8.72		
5/30/2012			61.3	296
11/9/2012		5.9	202	
11/11/2012				225
5/8/2013		5.66		
5/9/2013			33.4	268
11/6/2013		9.04		
11/11/2013			316	132
5/20/2014		7.25		
5/21/2014			162	
5/29/2014				216
11/18/2014		10	370	
11/19/2014				160
4/7/2015			235	
4/14/2015		9.61		105
10/28/2015			737	
10/29/2015		10.2		
11/4/2015				74.4
6/23/2016		9.8	380	18
8/30/2016		9.5		
8/31/2016			600	19
10/24/2016		11		
10/25/2016			820	42
1/23/2017		11		12
1/24/2017			370	
4/11/2017		9.1	340	7.1
6/20/2017				8.5
6/21/2017		10	540	
10/25/2017		11	580	9.1
4/9/2018			230	11
4/10/2018		9.5		
10/16/2018		10	520	14
3/26/2019			430	
3/27/2019		9.1		15
10/7/2019				12
10/8/2019		55	950	
4/6/2020				10
4/7/2020		8	270	
6/24/2020	860			
6/25/2020			410	3.3

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
6/26/2020		9		
9/29/2020		8.3	540	4.1
9/30/2020	790			
2/9/2021		11	520	
2/10/2021	1000			
2/11/2021				10
9/7/2021		9	870	
9/8/2021	1100			3
2/1/2022		7.8	360	
2/2/2022	1000			8.6
8/30/2022		7.11		
8/31/2022			855	2.58
9/2/2022	1080			
2/2/2023		6.71		
2/3/2023			209	
2/7/2023	1110			2.52
8/9/2023	1140	6.19	784	
8/10/2023				14.4
1/24/2024				8.23
1/25/2024	1330	7.05	537	
8/20/2024		5.98		
8/21/2024	1310		741	
8/22/2024				5.41

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
12/16/1997		<1	2	
6/30/1998		<1	<1	
12/2/1998		0.654	0.709	
6/8/1999		1.46	<1	
12/7/1999		0.399	0.531	
6/15/2000		0.601	0.733	
12/12/2000		0.45	0.621	
12/5/2001		0.094	0.274	
6/26/2002		4.95	0.505	
12/3/2002		0.911	0.515	
6/11/2003		1.85	0.508	
12/10/2003		0.77	0.578	
6/15/2004		1.3	1.23	
12/14/2004		1.02	1.22	
6/2/2005		0.834	0.908	
12/14/2005		<1	0.825	
4/5/2006		<1	1.06	
10/30/2006		0.865	0.996	
5/10/2007		1.03	1.01	
11/17/2007		0.818	1.72	
5/3/2008		0.941	1.2	
10/22/2008		<1	<1	
5/6/2009			0.807	
5/7/2009		0.46		
5/13/2009				0.984
12/1/2009			0.644	
12/3/2009				0.544
12/4/2009		1.06		
5/25/2010			0.509	
5/26/2010				0.37
6/1/2010		5.56		
11/9/2010			0.348	0.299
11/10/2010		0.241		
5/19/2011				0.502
5/24/2011			0.532	
5/25/2011		0.383		
11/10/2011			0.209	
11/11/2011				0.172
11/12/2011		<1		
5/17/2012				0.438
5/18/2012			0.471	
5/31/2012		0.426		
11/9/2012			0.589	0.537
11/11/2012		0.455 (J)		
5/7/2013				0.437
5/8/2013			0.504	
5/13/2013		2.61		
11/6/2013			<1	<1
11/12/2013		<1		
5/20/2014			0.5 (J)	0
5/29/2014		1.41		
11/17/2014			<1	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
11/18/2014				<1
4/7/2015			0.469	0.464
4/14/2015		0.377		
10/28/2015			0.28	0.293
11/3/2015		0.215		
6/23/2016		<1	<1	<1
8/30/2016			<1	
8/31/2016		<1		
9/1/2016				<1
10/25/2016		0.3 (J)	0.4 (J)	0.38 (J)
1/24/2017		<1	<1	
1/27/2017				<1
4/11/2017		<1	<1	
4/12/2017				<1
6/20/2017		<1	<1	
6/22/2017				<1
10/25/2017		<1	<1	
10/26/2017				<1
4/10/2018		<1	<1	
4/11/2018				<1
10/16/2018		<1	<1	
10/17/2018				<1
3/27/2019		0.38 (J)	0.55 (J)	
3/28/2019				0.38 (J)
10/8/2019		0.7 (J)	0.7 (J)	
10/9/2019				0.59 (J)
4/7/2020		0.67 (J)	<1	
4/8/2020				<1
6/23/2020				<1
6/25/2020		1.6	<1	
9/29/2020		<1	<1	
10/1/2020				<1
12/1/2020	7.5			
2/9/2021	8.5	<1	<1	1.3
9/8/2021	6.8	<1	<1	
9/10/2021				<1
2/1/2022	6.8	1.4	0.77 (J)	
2/2/2022				<1
8/30/2022			0.519	
8/31/2022	6.94	0.399 (J)		0.494
2/2/2023	6.22			0.529
2/3/2023		0.448	0.5	
8/9/2023	6.34	0.419		0.541
8/10/2023			0.581	
1/24/2024	5.18	0.371 (J)	0.525	
1/25/2024				0.519
8/20/2024	5.37	0.406		
8/21/2024			0.536	0.492

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
5/5/2009	2.89			
5/12/2009		57.9	42.6	173
12/4/2009	3.13		58.4	195
12/5/2009		72.1		
5/25/2010			79.4	199
5/26/2010		70.3		
6/1/2010	14.5			
11/9/2010		74.8	111	
11/10/2010	5.04			189
5/19/2011				186
5/24/2011		87.2	171	
5/25/2011	4.57			
11/9/2011	4.15			
11/12/2011		97.9	182	49.9
5/17/2012				177
5/30/2012		103	194	
5/31/2012	4.05			
11/9/2012		140	842 (o)	
11/10/2012	5.68			184
5/7/2013				195
5/8/2013			173	
5/13/2013	2.45	160		
11/5/2013				178
11/6/2013		146	471 (o)	
11/12/2013	11.8			
5/20/2014			145	
5/21/2014		217		
5/28/2014	14.6			201
11/17/2014		97	110	
11/19/2014				150
11/20/2014	12			
4/7/2015		125	145	
4/14/2015	8.71			
4/15/2015				195
10/28/2015		106	82.7	
10/29/2015				147
11/3/2015	5.14			
6/23/2016	6.9			
6/24/2016		170	79	200
9/1/2016		130	94	200
9/2/2016	6.1			
10/25/2016		200	73	
10/26/2016	22			200
1/26/2017	5.1	130	110	
1/27/2017				200
4/11/2017		150	77	
4/12/2017	4			190
6/21/2017	4.6	130	75	200
10/25/2017				190
10/26/2017	5.4	110	61	
4/10/2018	6.7	130	58	
4/11/2018				200

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
10/16/2018		84		
10/17/2018	6.8		47	190
3/27/2019	7.2			190
3/28/2019		220	59	
10/8/2019	31			
10/9/2019		210	57	180
4/8/2020	5.9	200	47	
4/9/2020				190
6/24/2020		310	67	190
6/25/2020	5.6			
9/29/2020	7.7	200	66	
9/30/2020				170
2/9/2021	7.1	190	73	
2/10/2021				220
9/8/2021	6.2	160	79	
9/9/2021				190
2/2/2022			74	
2/3/2022	5.6	250		200
8/31/2022	5.64	243		
9/2/2022			151	198
2/2/2023		348		195
2/3/2023	4.35		118	
8/9/2023			237	
8/10/2023	6.91	328		194
1/25/2024	4.79	372	142	208
8/21/2024	4.47	350	143	199

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
12/14/2005	133		
4/5/2006	140		
10/30/2006	157		
5/10/2007	111		
11/17/2007	114		
5/2/2008	104		
10/22/2008	129		
5/13/2009			0.938
5/14/2009	157	109	
12/1/2009	142		
12/3/2009		107	0.422
5/26/2010	120	109	0.262
11/9/2010		100	<0.17
11/10/2010	100		
5/18/2011		110	
5/19/2011			0.359
5/25/2011	88.8		
11/11/2011	96.6	107	<0.17
5/17/2012	88.9	98	0.398
11/9/2012	70.1	90.4	0.545
5/7/2013		96.2	0.797
5/8/2013	80.5		
11/5/2013	71.6	86.9	
11/6/2013			0.86
5/21/2014	80.4	106	1.02
11/17/2014	71		
11/18/2014		99	1.2
4/7/2015	70.6	82.3	1.14
10/28/2015	12.2	78	1.02
6/23/2016	61	78	1
8/31/2016	57	72	1.1
10/25/2016	56		4.7 (o)
10/26/2016		77	
1/26/2017	57	75	1.1
4/12/2017	47	69	0.9 (J)
6/21/2017		73	
6/22/2017	49		0.99 (J)
10/25/2017	49		0.95 (J)
10/26/2017		72	
4/10/2018	46		
4/11/2018		69	0.9 (J)
10/17/2018	42	67	0.95 (J)
3/28/2019	45	66	1
10/9/2019	42	63	1.5
4/8/2020	39		
4/9/2020		59	1.1
6/23/2020		62	
6/25/2020	42		
6/26/2020			0.94 (J)
9/29/2020	38		
10/1/2020		57	0.82 (J)
2/10/2021	43	60	1.7

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
9/9/2021		58	1.2
9/10/2021	39		
2/2/2022		59	1.4
2/3/2022	21		
8/31/2022	36.3	54.1	1.31
2/2/2023	35	53.2	1.46
8/10/2023	34.5	52.3	1.45
1/25/2024	35.2	52.7	1.49
8/21/2024	32.1	48.7	1.42

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		<0.002		
8/31/2016			<0.002	<0.002
10/24/2016		<0.002		
10/25/2016			<0.002	<0.002
1/23/2017		<0.002		<0.002
1/24/2017			<0.002	
4/11/2017		<0.002	<0.002	<0.002
6/20/2017				<0.002
6/21/2017		<0.002	<0.002	
10/25/2017		<0.002	<0.002	<0.002
4/9/2018			<0.002	<0.002
4/10/2018		<0.002		
10/16/2018		<0.002	<0.002	<0.002
8/19/2019			<0.002	
8/20/2019		<0.002		
8/21/2019				<0.002
10/7/2019				<0.002
10/8/2019		<0.002	<0.002	
4/6/2020				<0.002
4/7/2020		<0.002	<0.002	
8/18/2020		<0.002	<0.002	
8/19/2020				<0.002
8/20/2020	0.00022 (J)			
9/29/2020		<0.002	<0.002	0.00019 (J)
9/30/2020	<0.002			
2/9/2021		<0.002	<0.002	
2/10/2021	<0.002			
2/11/2021				<0.002
9/7/2021		<0.002	<0.002	
9/8/2021	<0.002			<0.002
2/1/2022		<0.002	<0.002	
2/2/2022	<0.002			<0.002
8/30/2022		<0.002		
8/31/2022			<0.002	<0.002
9/2/2022	<0.002			
2/2/2023		<0.002		
2/3/2023			<0.002	
2/7/2023	<0.002			<0.002
8/9/2023	<0.002	<0.002	<0.002	
8/10/2023				<0.002
1/24/2024				<0.002
1/25/2024	<0.002	<0.002	<0.002	
8/20/2024		<0.002		
8/21/2024	<0.002		<0.002	
8/22/2024				<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			<0.002	
8/31/2016		<0.002		
9/1/2016				<0.002
10/25/2016		<0.002	<0.002	<0.002
1/24/2017		<0.002	<0.002	
1/27/2017				<0.002
4/11/2017		<0.002	<0.002	
4/12/2017				<0.002
6/20/2017		<0.002	<0.002	
6/22/2017				<0.002
10/25/2017		<0.002	<0.002	
10/26/2017				<0.002
4/10/2018		<0.002	<0.002	
4/11/2018				<0.002
10/16/2018		<0.002	<0.002	
10/17/2018				<0.002
8/20/2019		0.0002 (J)	0.00023 (J)	
8/21/2019				<0.002
10/8/2019		<0.002	<0.002	
10/9/2019				<0.002
4/7/2020		<0.002	0.00015 (J)	
4/8/2020				<0.002
8/18/2020		0.00036 (J)	0.00021 (J)	
8/19/2020				<0.002
9/29/2020		<0.002	0.00019 (J)	
10/1/2020				<0.002
12/1/2020	<0.002			
2/9/2021	<0.002	<0.002	<0.002	<0.002
9/8/2021	<0.002	<0.002	<0.002	
9/10/2021				<0.002
2/1/2022	<0.002	<0.002	<0.002	
2/2/2022				<0.002
8/30/2022			<0.002	
8/31/2022	<0.002	<0.002		<0.002
2/2/2023	<0.002			<0.002
2/3/2023		<0.002	<0.002	
8/9/2023	<0.002	<0.002		<0.002
8/10/2023			<0.002	
1/24/2024	<0.002	<0.002	<0.002	
1/25/2024				<0.002
8/20/2024	<0.002	<0.002		
8/21/2024			<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		<0.002	<0.002	<0.002
9/2/2016	9.5E-05 (J)			
10/25/2016		<0.002	<0.002	
10/26/2016	<0.002			<0.002
1/26/2017	<0.002	<0.002	<0.002	
1/27/2017				<0.002
4/11/2017		<0.002	<0.002	
4/12/2017	<0.002			<0.002
6/21/2017	<0.002	<0.002	<0.002	<0.002
10/25/2017				<0.002
10/26/2017	<0.002	<0.002	<0.002	
4/10/2018	<0.002	<0.002	<0.002	
4/11/2018				<0.002
10/16/2018		<0.002		
10/17/2018	<0.002		<0.002	<0.002
8/20/2019		<0.002		
8/21/2019	<0.002		<0.002	<0.002
10/8/2019	<0.002			
10/9/2019		<0.002	<0.002	<0.002
4/8/2020	<0.002	<0.002	<0.002	
4/9/2020				<0.002
8/18/2020			<0.002	
8/19/2020	<0.002	0.00027 (J)		
8/20/2020				<0.002
9/29/2020	<0.002	0.00025 (J)	<0.002	
9/30/2020				<0.002
2/9/2021	<0.002	<0.002	<0.002	
2/10/2021				<0.002
9/8/2021	<0.002	0.00025 (J)	0.00063 (J)	
9/9/2021				0.00028 (J)
2/2/2022			<0.002	
2/3/2022	<0.002	<0.002		<0.002
8/31/2022	<0.002	<0.002		
9/2/2022			<0.002	<0.002
2/2/2023		<0.002		<0.002
2/3/2023	<0.002		<0.002	
8/9/2023			<0.002	
8/10/2023	<0.002	<0.002		<0.002
1/25/2024	<0.002	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	<0.002	<0.002	<0.002
10/25/2016	<0.002		<0.002
10/26/2016		<0.002	
1/26/2017	<0.002	<0.002	<0.002
4/12/2017	<0.002	<0.002	<0.002
6/21/2017		<0.002	
6/22/2017	<0.002		<0.002
10/25/2017	<0.002		<0.002
10/26/2017		<0.002	
4/10/2018	<0.002		
4/11/2018		<0.002	<0.002
10/17/2018	<0.002	<0.002	<0.002
8/21/2019	<0.002	<0.002	<0.002
10/9/2019	<0.002	<0.002	<0.002
4/8/2020	<0.002		
4/9/2020		<0.002	<0.002
8/18/2020	<0.002		
8/19/2020			<0.002
8/20/2020		<0.002	
9/29/2020	<0.002		
10/1/2020		<0.002	<0.002
2/10/2021	<0.002	<0.002	<0.002
9/9/2021		<0.002	<0.002
9/10/2021	<0.002		
2/2/2022		<0.002	<0.002
2/3/2022	<0.002		
8/31/2022	<0.002	<0.002	<0.002
2/2/2023	<0.002	<0.002	<0.002
8/10/2023	<0.002	<0.002	<0.002
1/25/2024	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)
8/30/2016		100		
8/31/2016			1000	330
10/24/2016		136		
10/25/2016			1280	459
1/23/2017		16		340
1/24/2017			590	
4/11/2017		120	610	300
6/20/2017				210
6/21/2017		140	880	
10/25/2017		120	900	280
4/9/2018			440	280
4/10/2018		130		
10/16/2018		150	910	48
3/26/2019			750	
3/27/2019		110		330
10/7/2019				230
10/8/2019		130	1500	
4/6/2020				280
4/7/2020		120	480	
9/29/2020		130	880	210
9/30/2020	1300			
2/9/2021		140	890	
2/10/2021	1500			
2/11/2021				290
9/7/2021		140	1500	
9/8/2021	1700			170
2/1/2022		130	600	
2/2/2022	1600			310
8/30/2022		139		
8/31/2022			1290	177
9/2/2022	1610			
2/2/2023		128		
2/3/2023			377	
2/7/2023	1690			144
8/9/2023	1820	110	1240	
8/10/2023				301
1/24/2024				304
1/25/2024	1920	117	815	
8/20/2024		120		
8/21/2024	1860		1250	
8/22/2024				309

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-24 (bg)	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-10
8/30/2016			58	
8/31/2016		80		
9/1/2016				100
10/25/2016		65	34	65
1/24/2017		70	120	
1/27/2017				86
4/11/2017		64	76	
4/12/2017				110
6/20/2017		52	36	
6/22/2017				82
10/25/2017		72	64	
10/26/2017				38
4/10/2018		86	60	
4/11/2018				50
10/16/2018		74	54	
10/17/2018				120
3/27/2019		69	61	
3/28/2019				82
10/8/2019		66	68	
10/9/2019				92
4/7/2020		64	65	
4/8/2020				82
9/29/2020		62	61	
10/1/2020				93
12/1/2020	120			
2/9/2021	110	62	73	81
9/8/2021	120	79	86	
9/10/2021				100
2/1/2022	120	75	76	
2/2/2022				96
8/30/2022			81	
8/31/2022	122	65		69
2/2/2023	90			84
2/3/2023		63	76	
8/9/2023	88	50		72
8/10/2023			105	
1/24/2024	121	81	107	
1/25/2024				88
8/20/2024	95	80		
8/21/2024			127	90

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016		240	220	450
9/2/2016	150			
10/25/2016		304	114	
10/26/2016	125			404
1/26/2017	86	170	170	
1/27/2017				460
4/11/2017		260	160	
4/12/2017	140			430
6/21/2017	120	230	140	430
10/25/2017				380
10/26/2017	96	170	120	
4/10/2018	130	260	110	
4/11/2018				430
10/16/2018		140		
10/17/2018	160		140	470
3/27/2019	150			430
3/28/2019		370	120	
10/8/2019	130			
10/9/2019		350	120	420
4/8/2020	130	350	91	
4/9/2020				440
9/29/2020	130	340	140	
9/30/2020				390
2/9/2021	140	310	160 (D)	
2/10/2021				460
9/8/2021	150	280	150	
9/9/2021				480
2/2/2022			150	
2/3/2022	150	400		450
8/31/2022	125	375		
9/2/2022			240	444
2/2/2023		545		446
2/3/2023	117		174	
8/9/2023			360	
8/10/2023	142	537		444
1/25/2024	129	547	219	446
8/21/2024	168	601	235	460

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/3/2024 12:15 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016	150	310	74
10/25/2016	171		67
10/26/2016		283	
1/26/2017	120	300	84
4/12/2017	150	310	88
6/21/2017		300	
6/22/2017	130		76
10/25/2017	130		60
10/26/2017		270	
4/10/2018	140		
4/11/2018		240	24
10/17/2018	180	120	96
3/28/2019	130	290	77
10/9/2019	130	290	75
4/8/2020	130		
4/9/2020		270	70
9/29/2020	140		
10/1/2020		270	55
2/10/2021	110	270	71
9/9/2021		270	70
9/10/2021	130		
2/2/2022		260	67
2/3/2022	120		
8/31/2022	101	248	63
2/2/2023	106	249	77
8/10/2023	101	234	50
1/25/2024	97	240	53
8/21/2024	119	266	74

FIGURE B.

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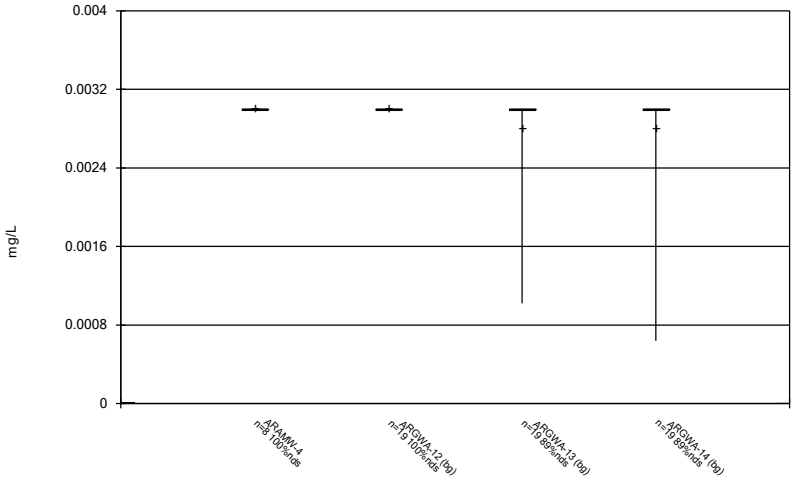
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/3/2024 12:16 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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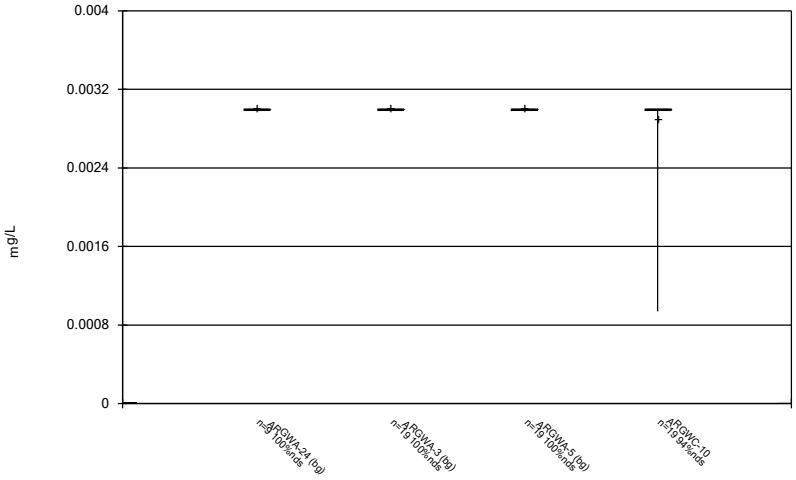
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/3/2024 12:16 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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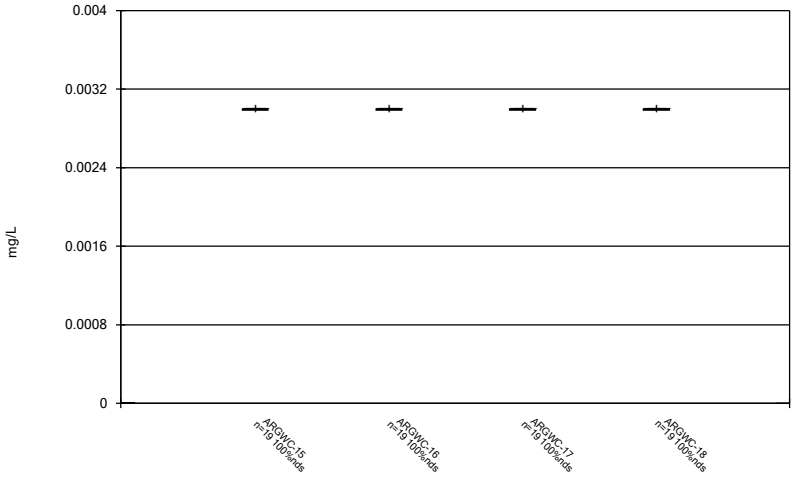
Box & Whiskers Plot



Constituent: Antimony Analysis Run 10/3/2024 12:16 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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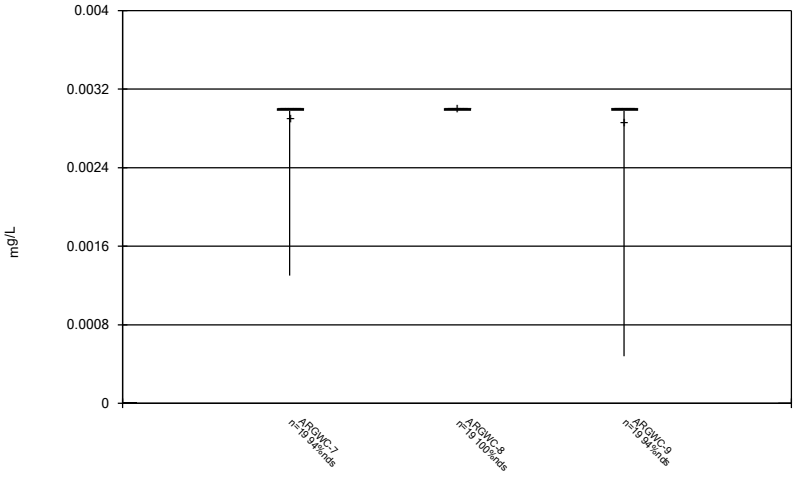
Box & Whiskers Plot



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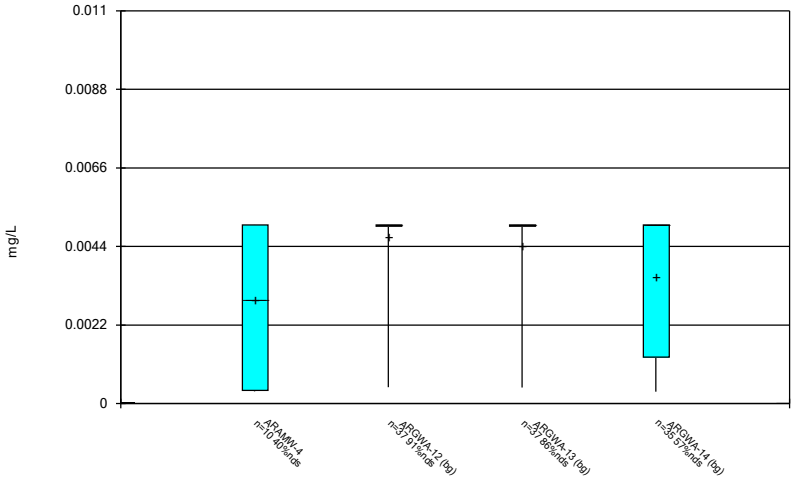
Box & Whiskers Plot



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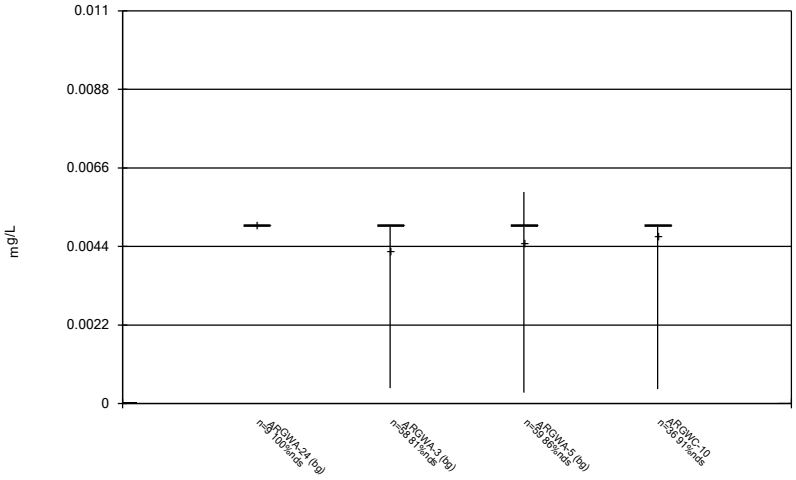

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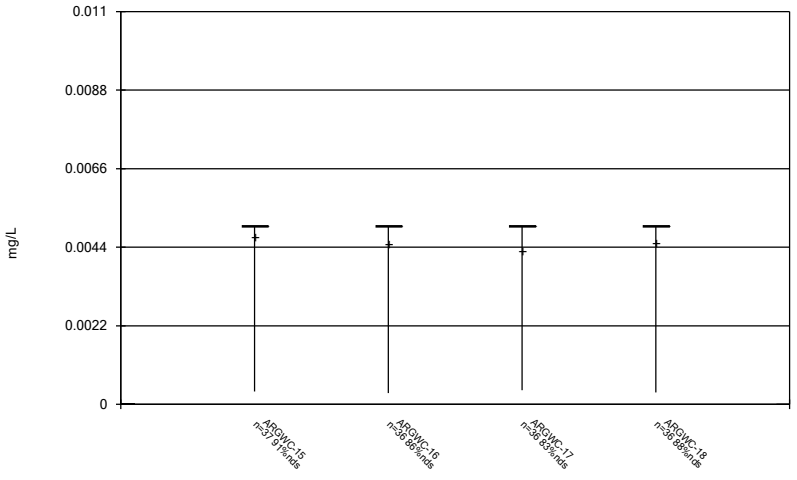

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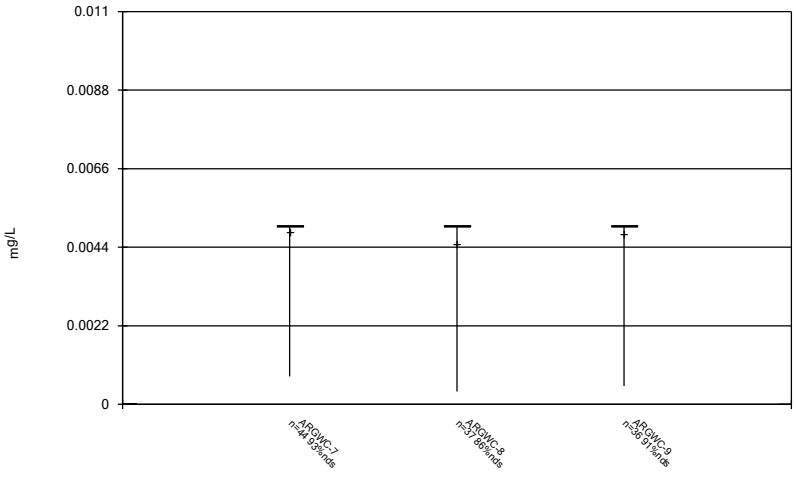

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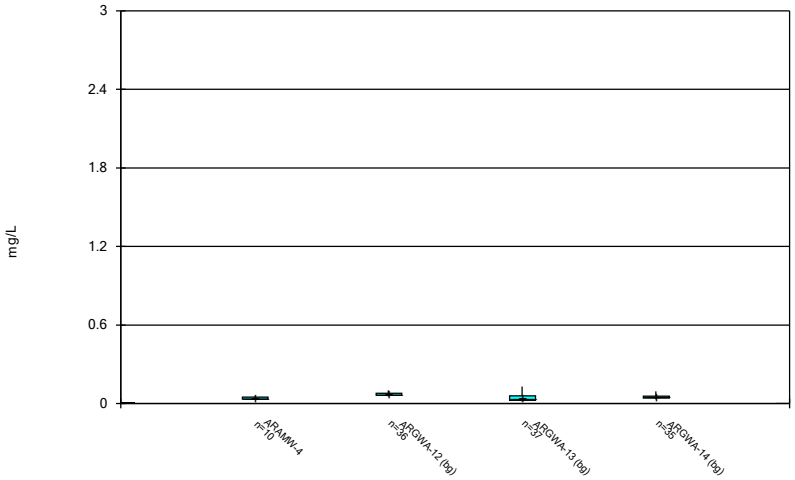

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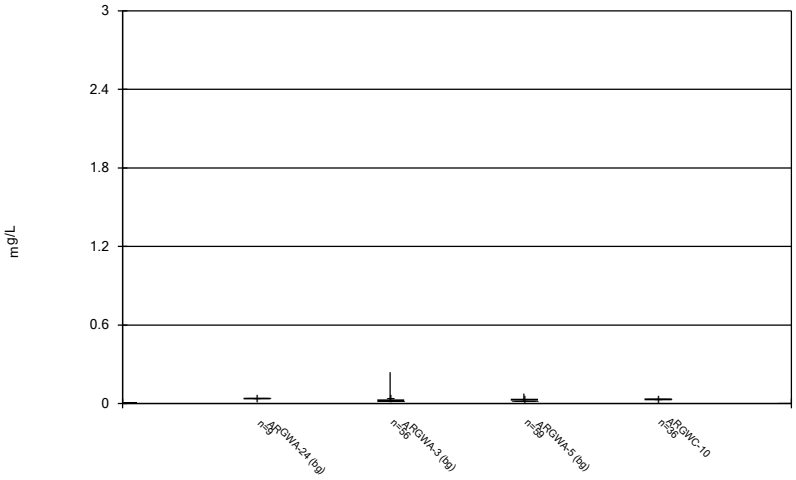

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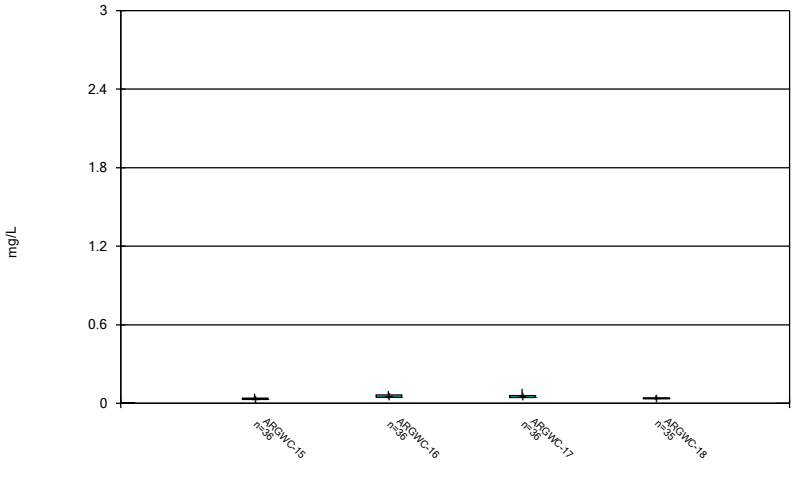

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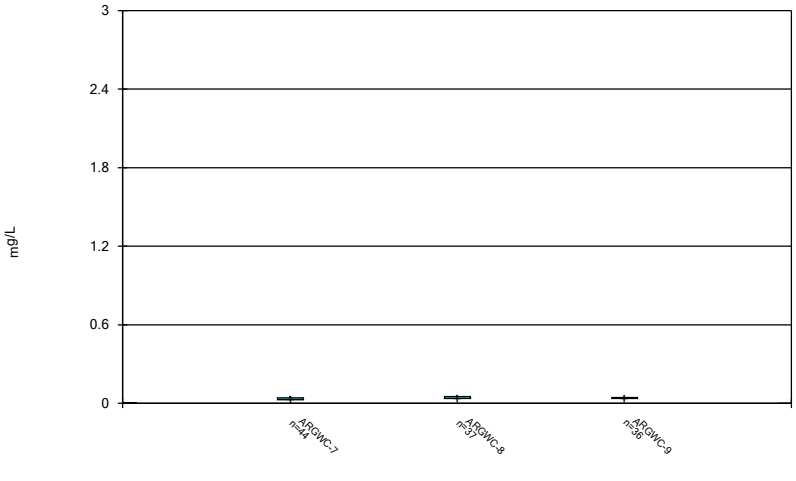

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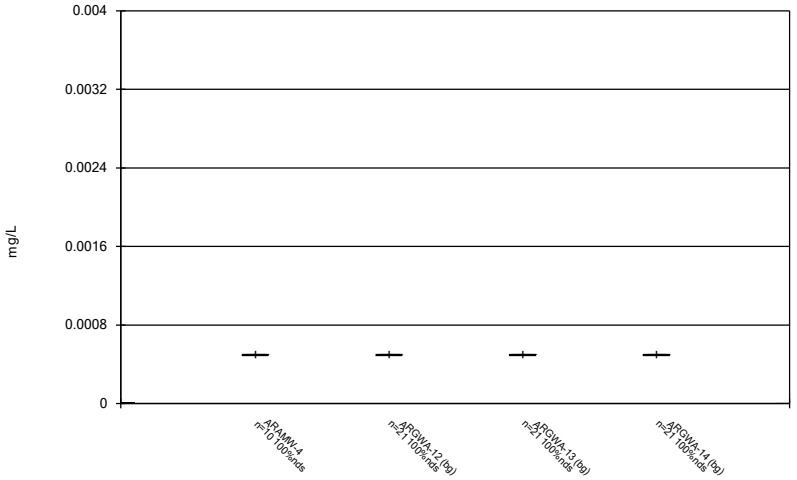

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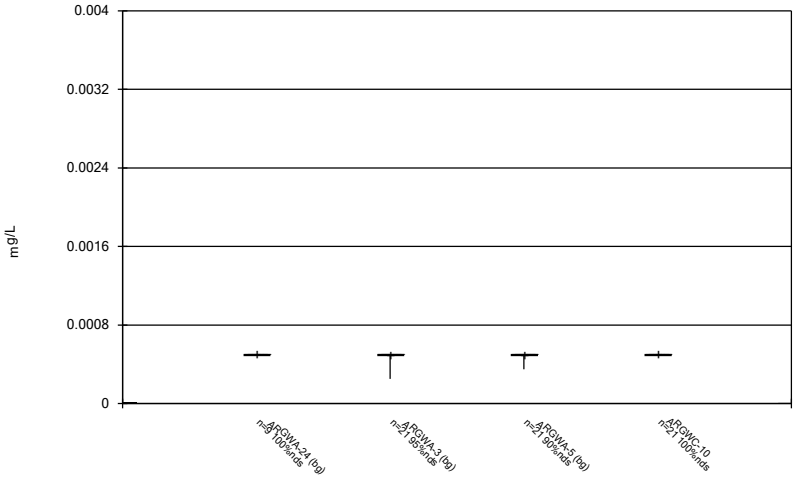
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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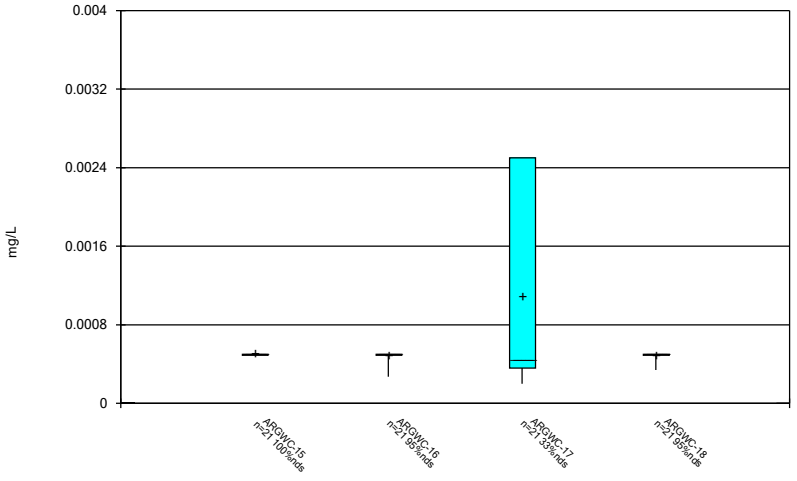
Box & Whiskers Plot



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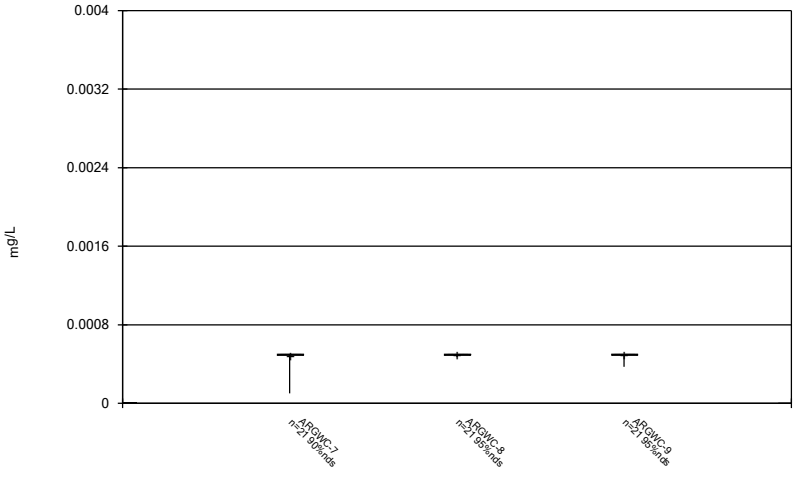

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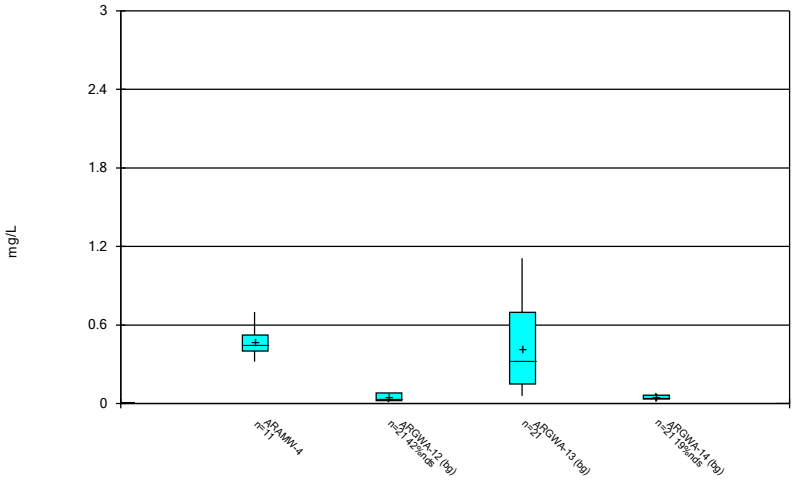

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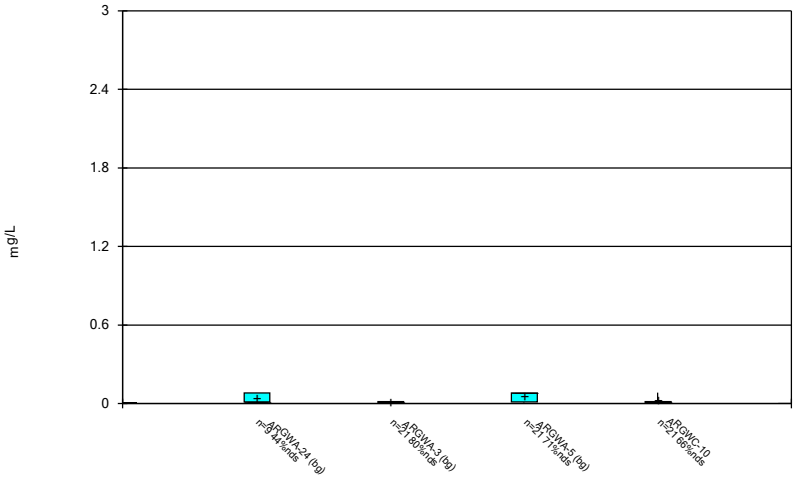

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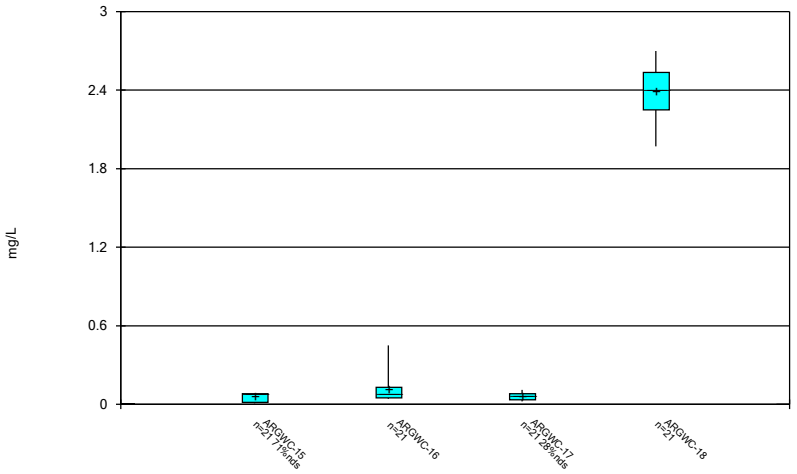

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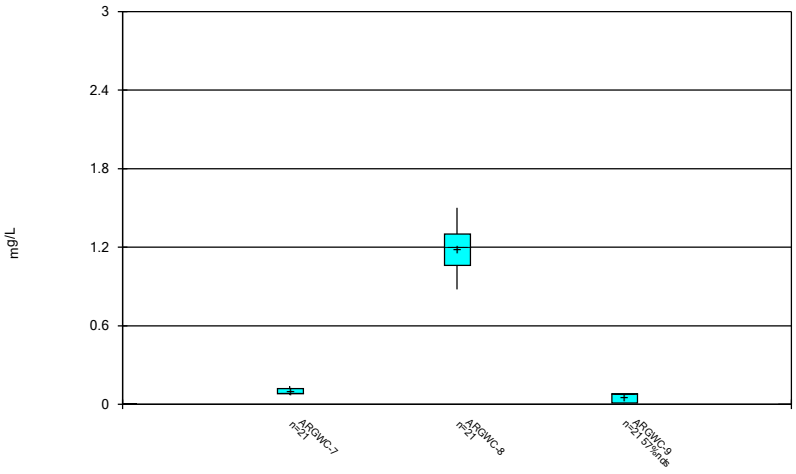

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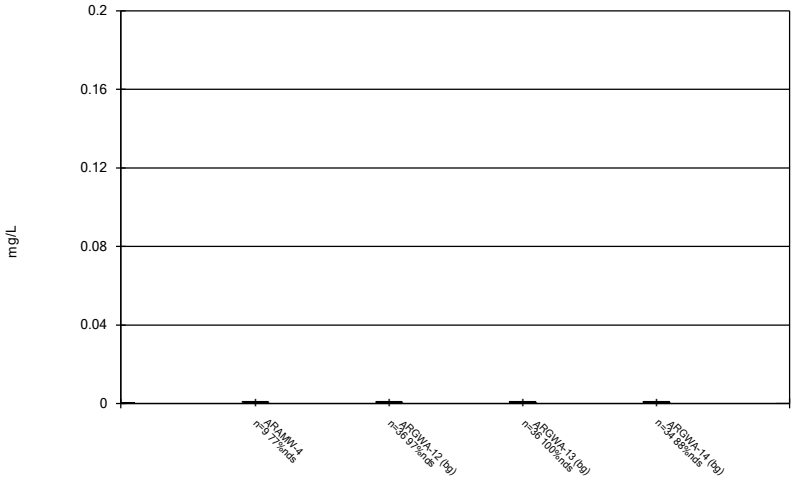

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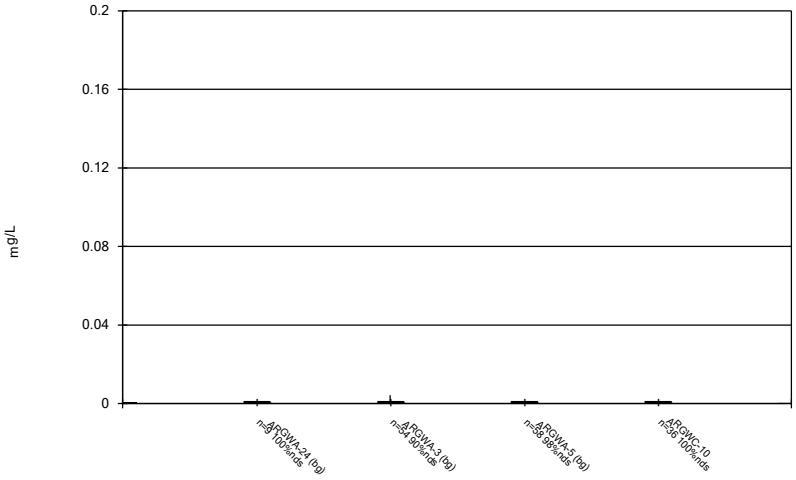

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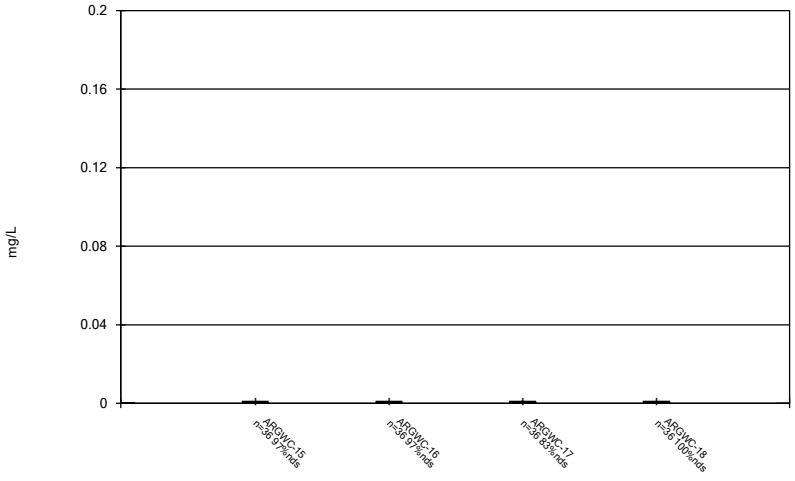

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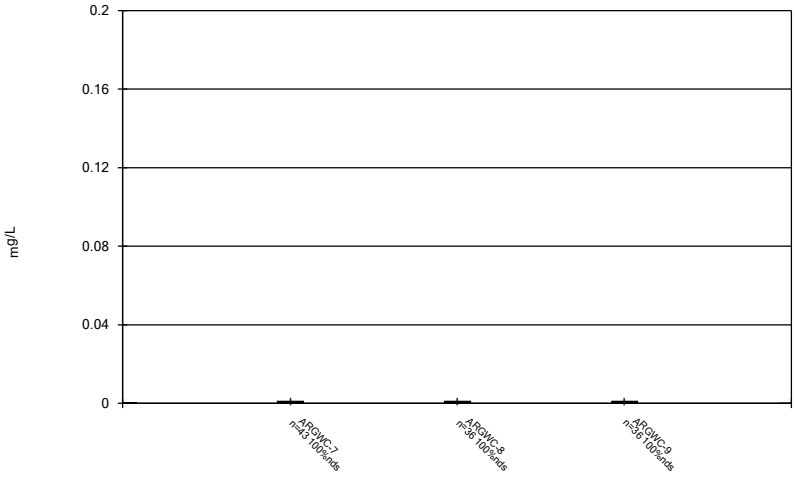

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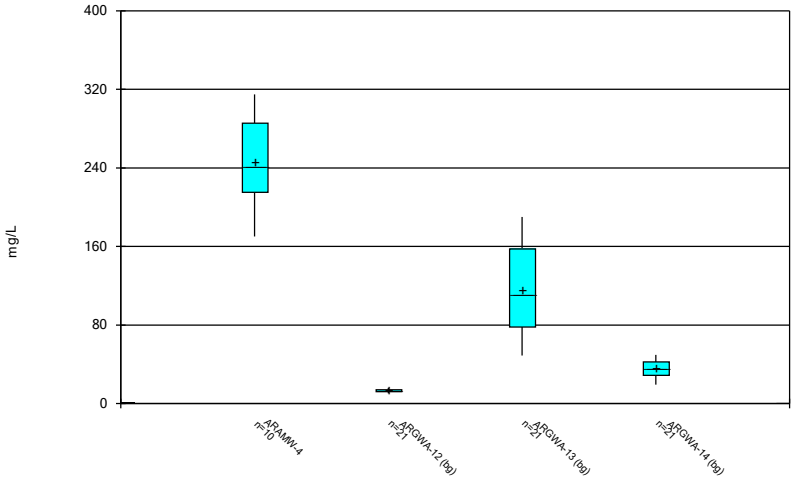

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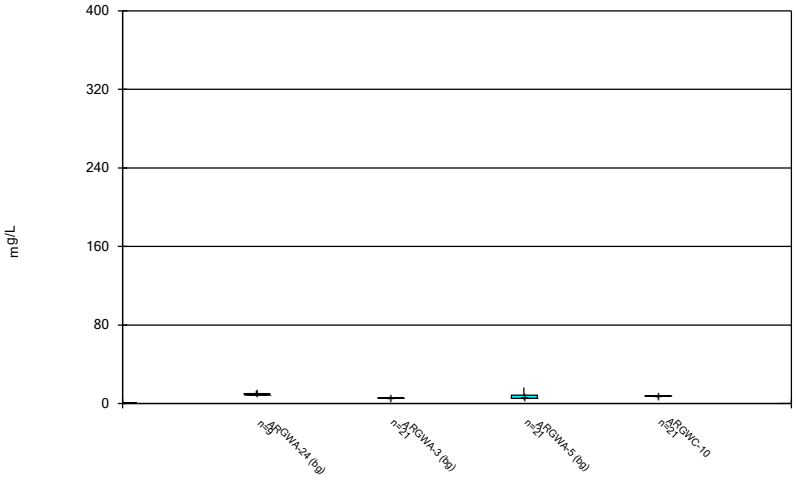
Box & Whiskers Plot



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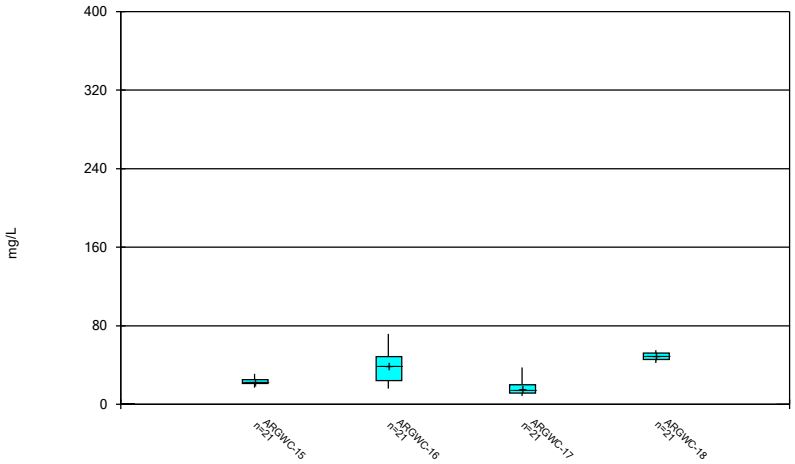

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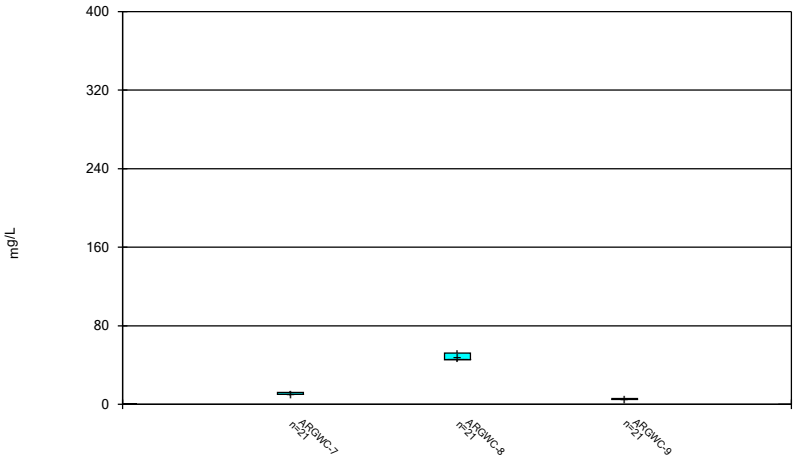

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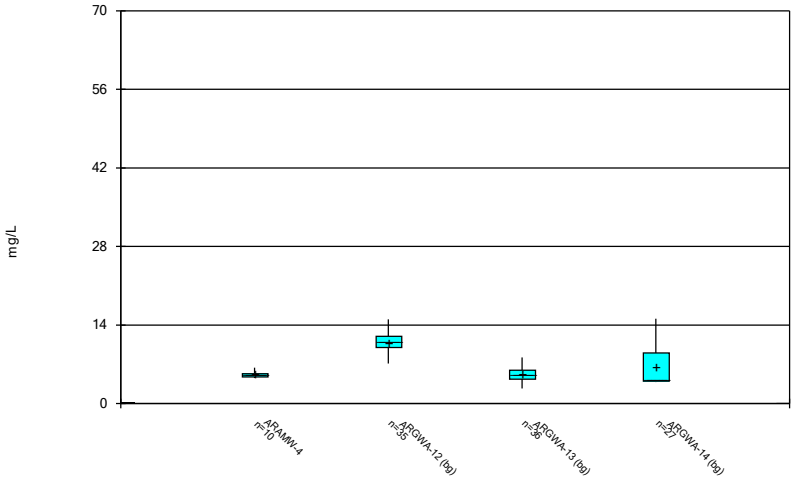

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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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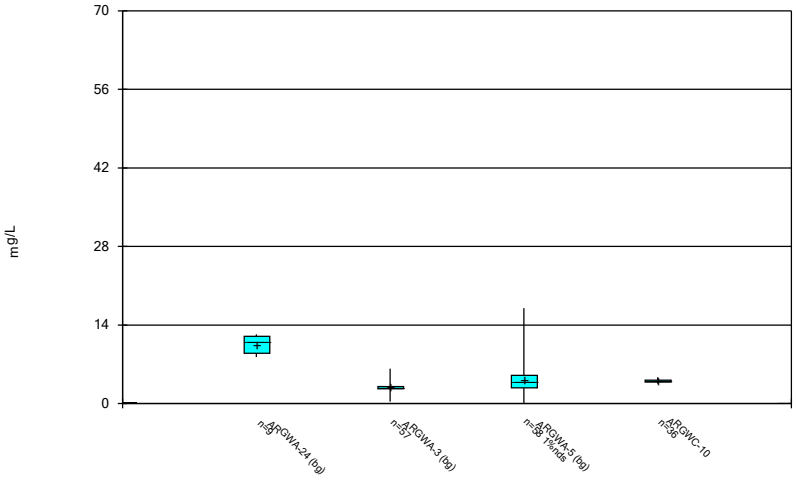

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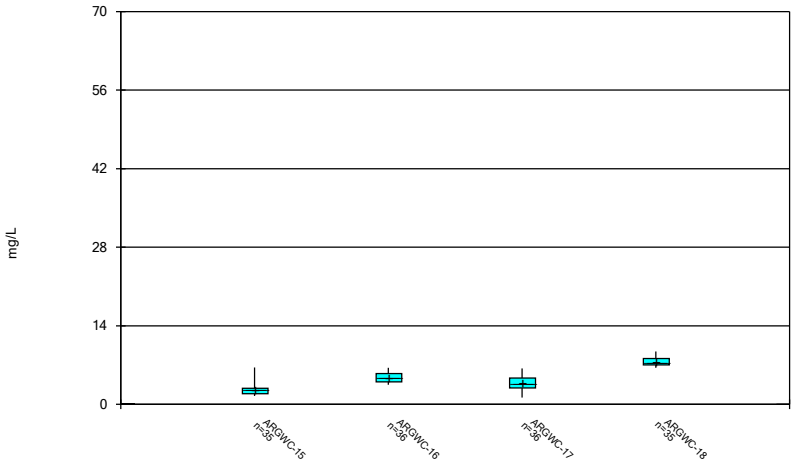

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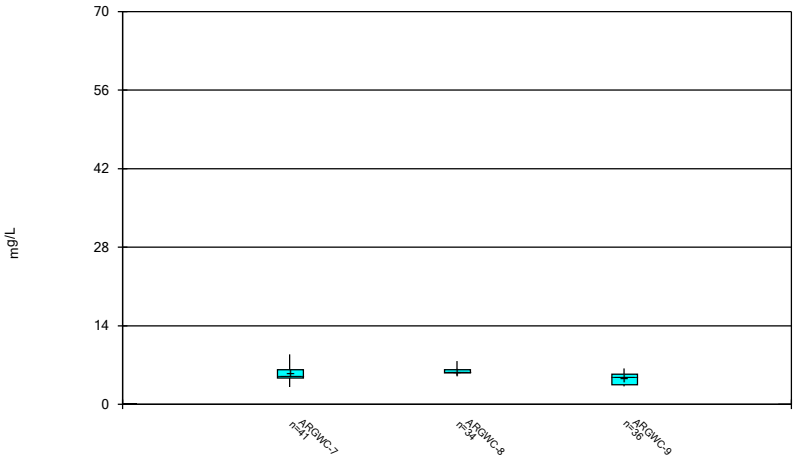

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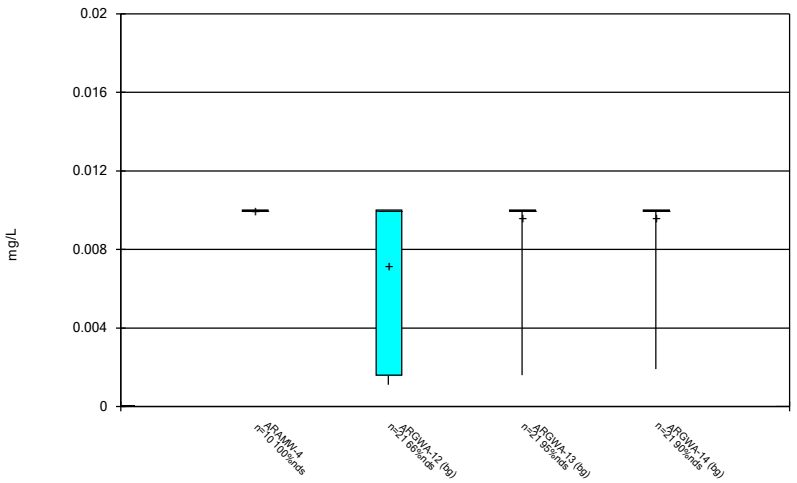

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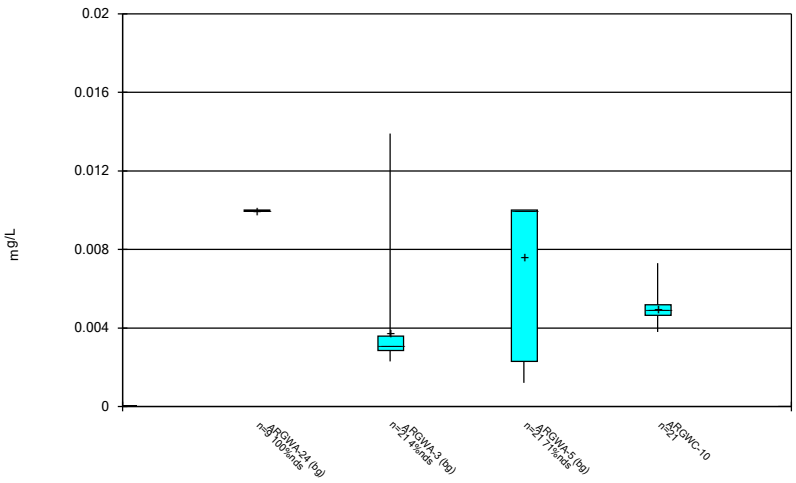
Box & Whiskers Plot



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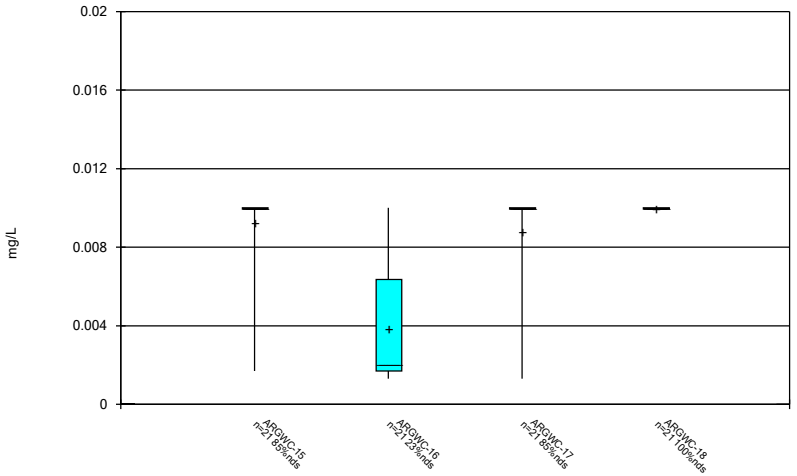

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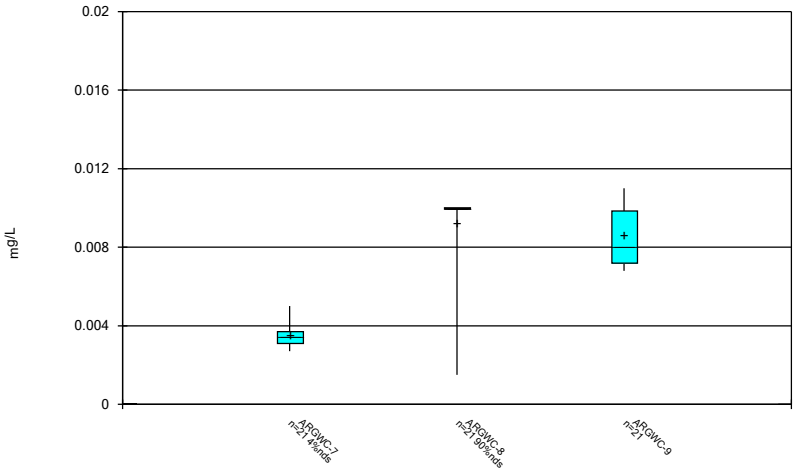

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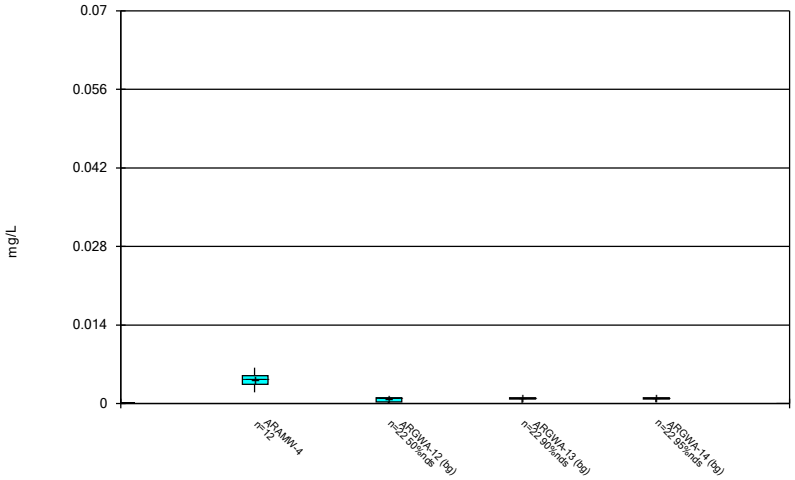

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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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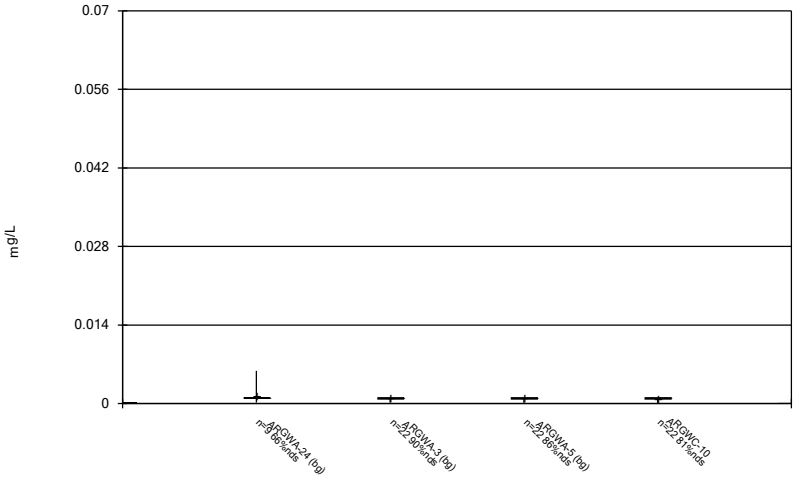
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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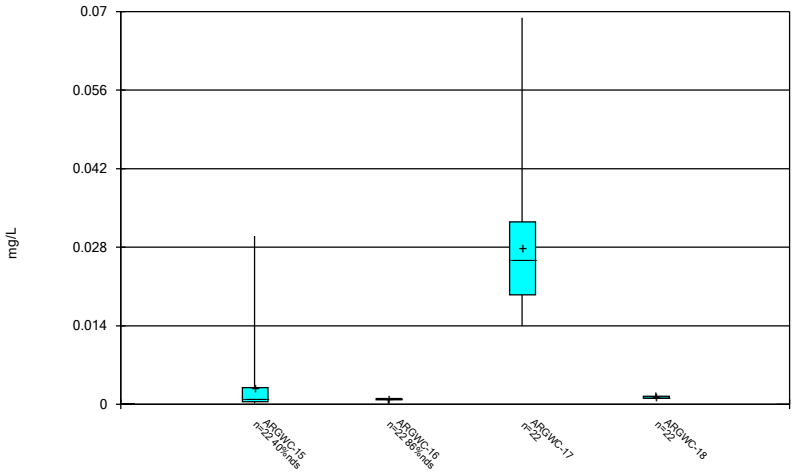
Box & Whiskers Plot



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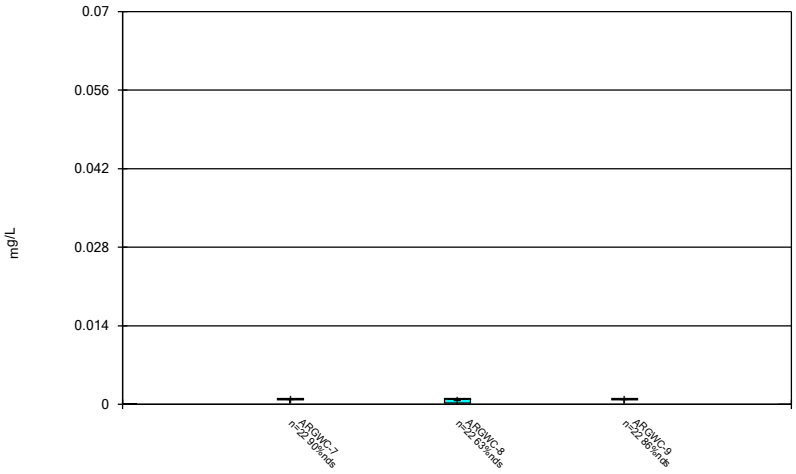

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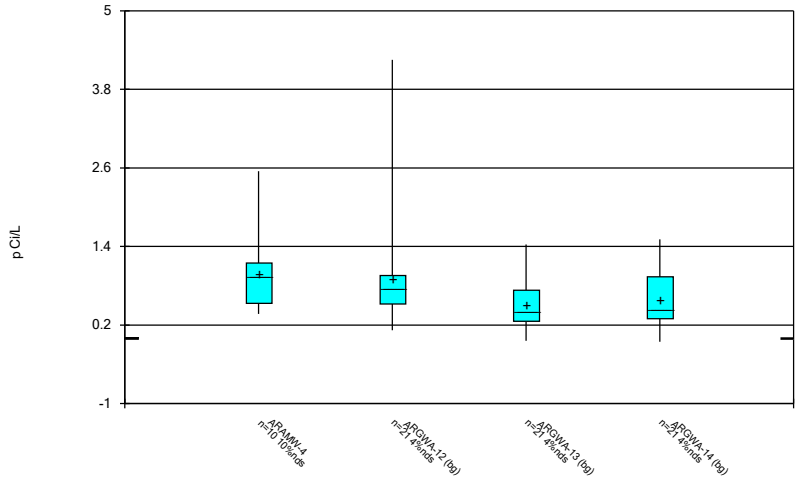

Constituent: Combined Radium 226 + 228 Analysis Run 10/3/2024 12:16 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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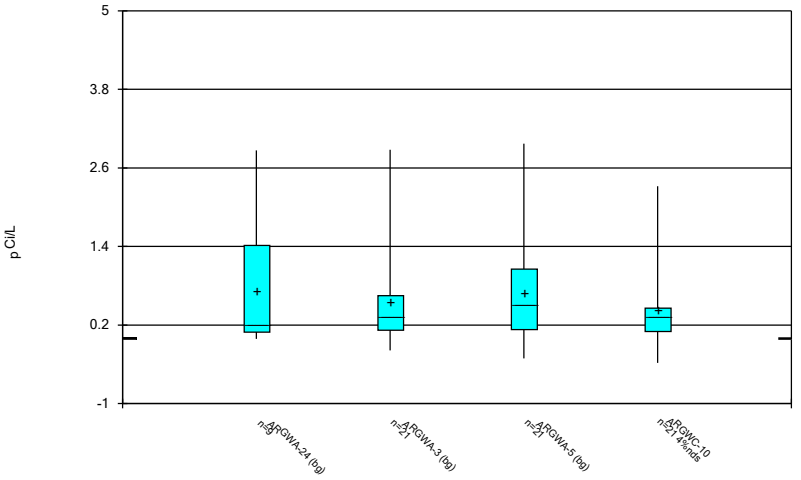
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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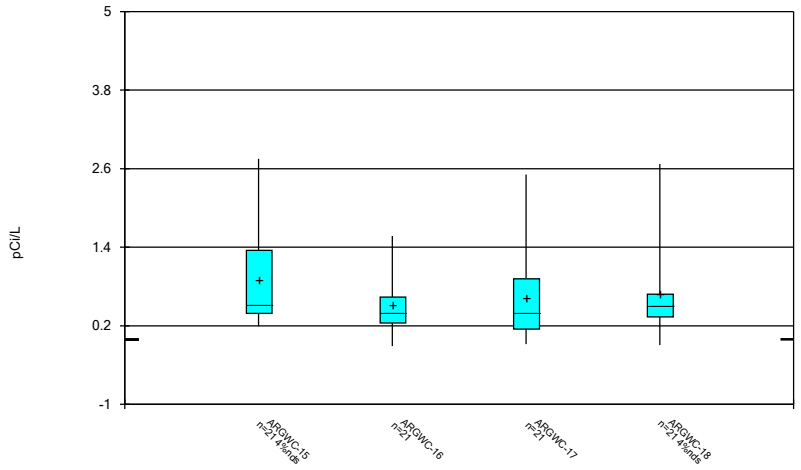
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/3/2024 12:16 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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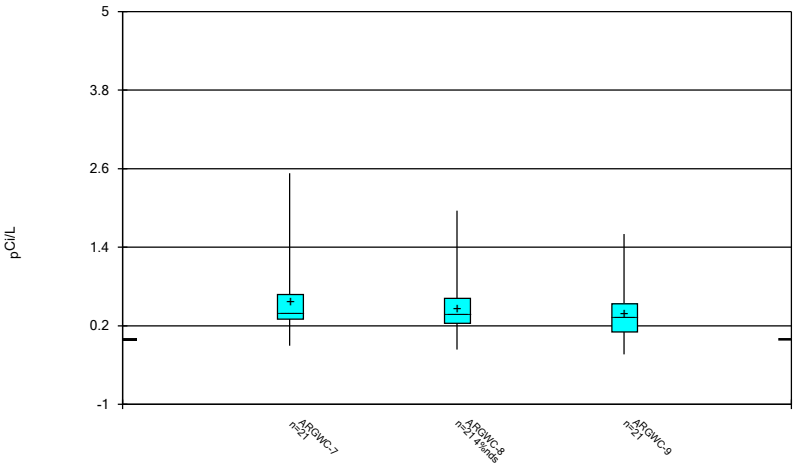
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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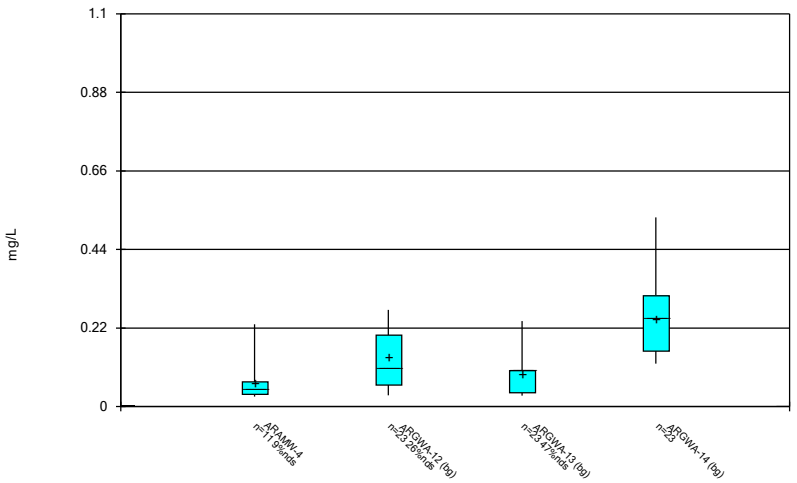
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 10/3/2024 12:16 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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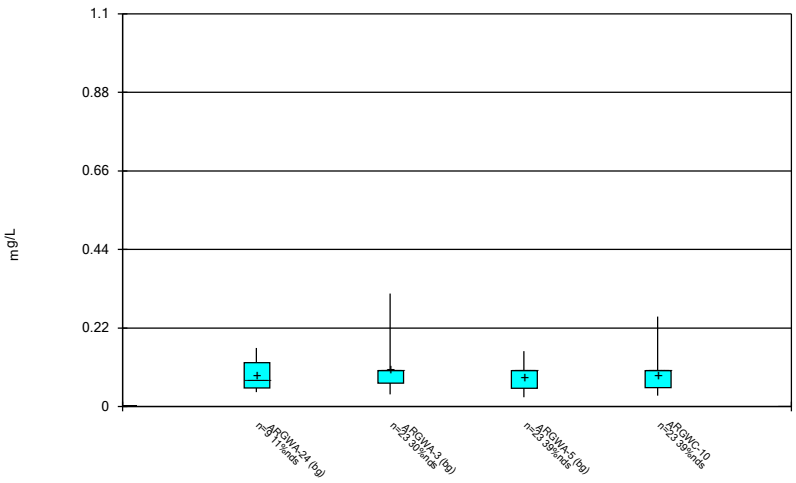
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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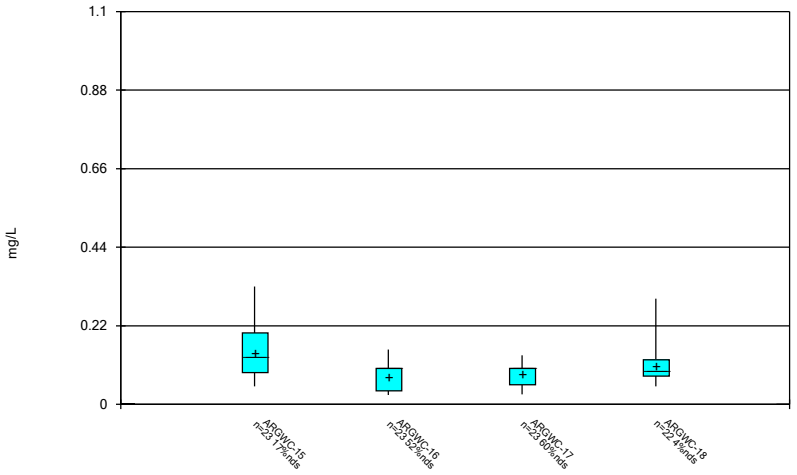
Box & Whiskers Plot



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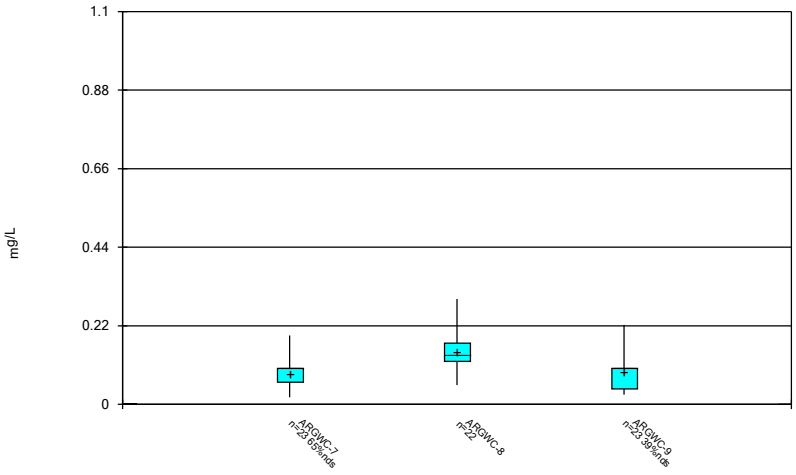
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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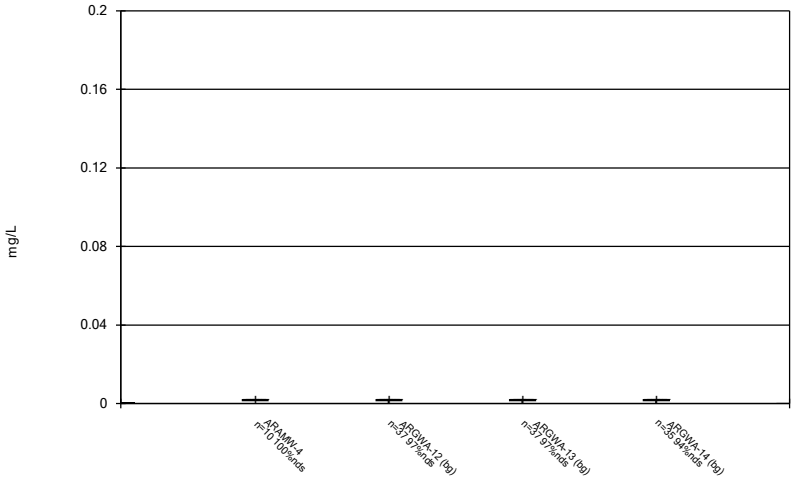
Box & Whiskers Plot



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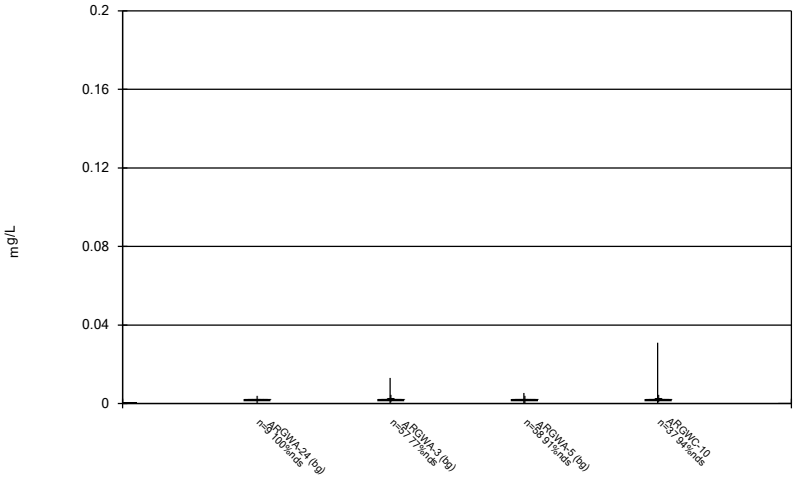
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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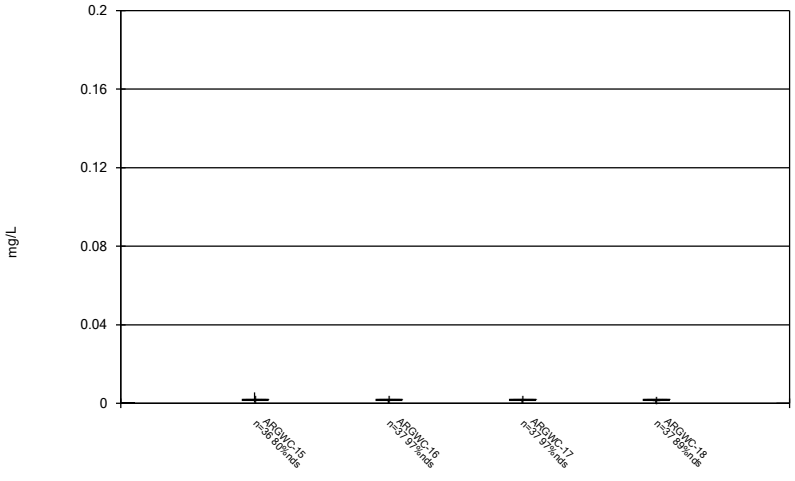
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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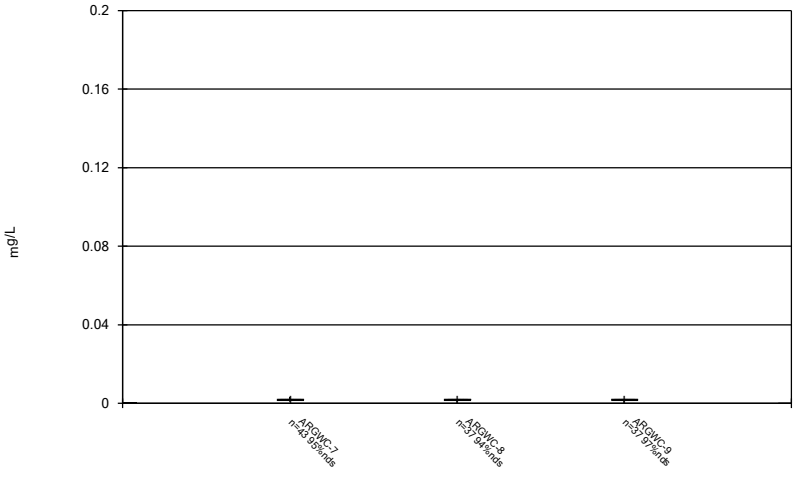

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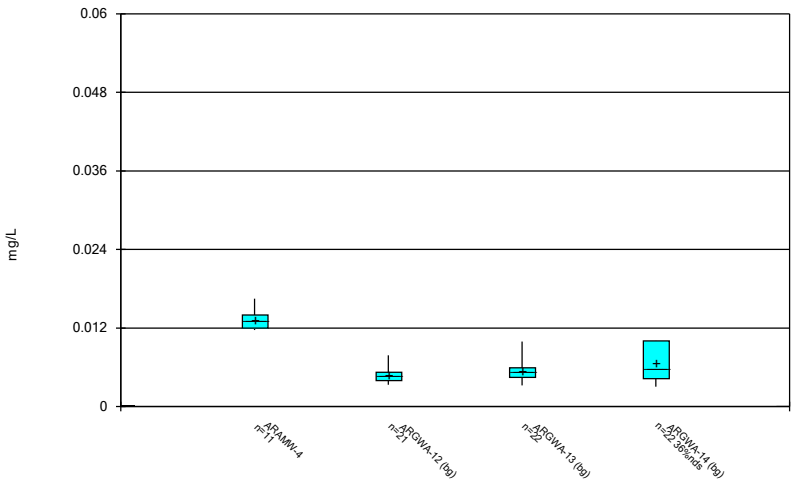
Box & Whiskers Plot



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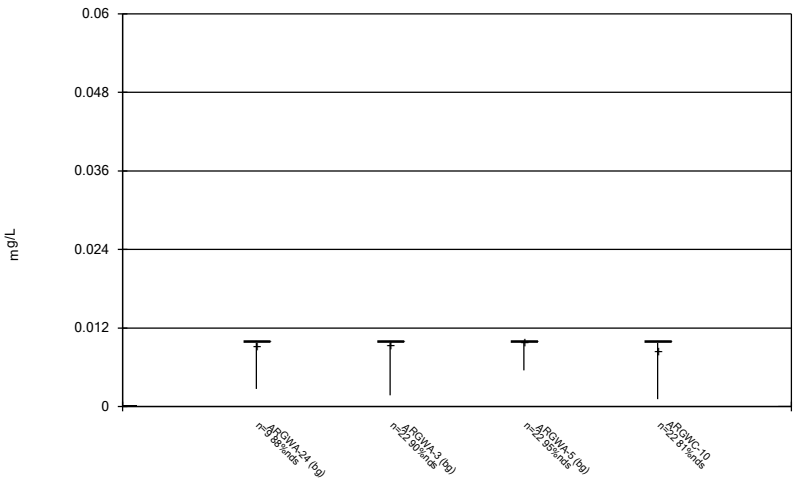
Box & Whiskers Plot



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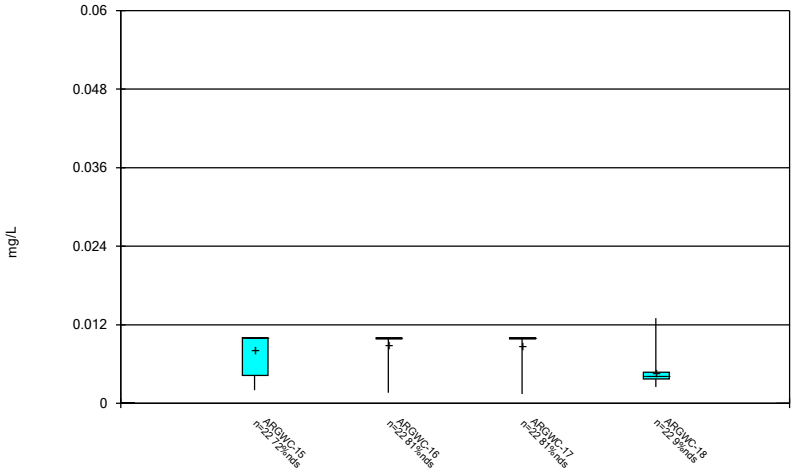

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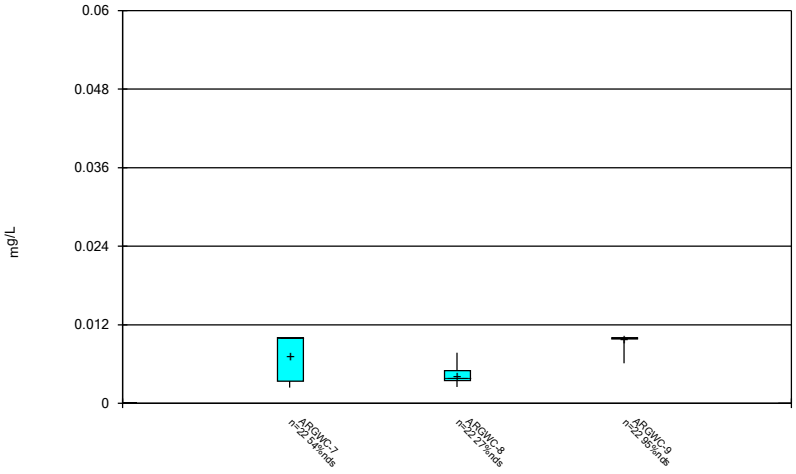

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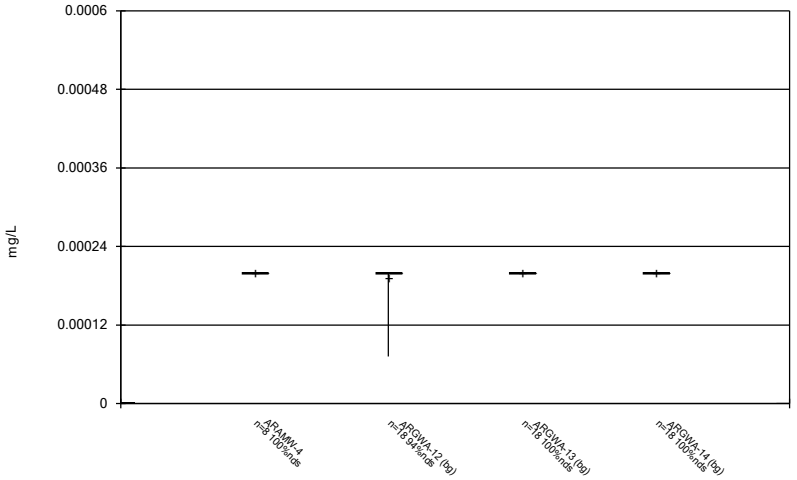

Constituent: Mercury Analysis Run 10/3/2024 12:17 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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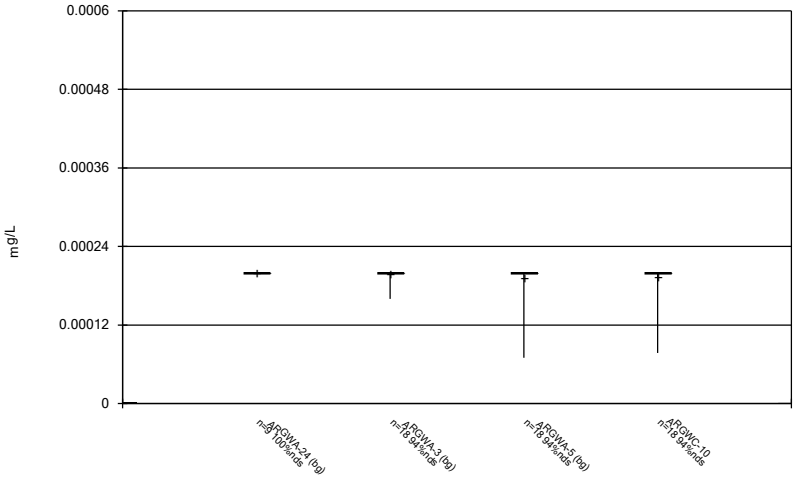
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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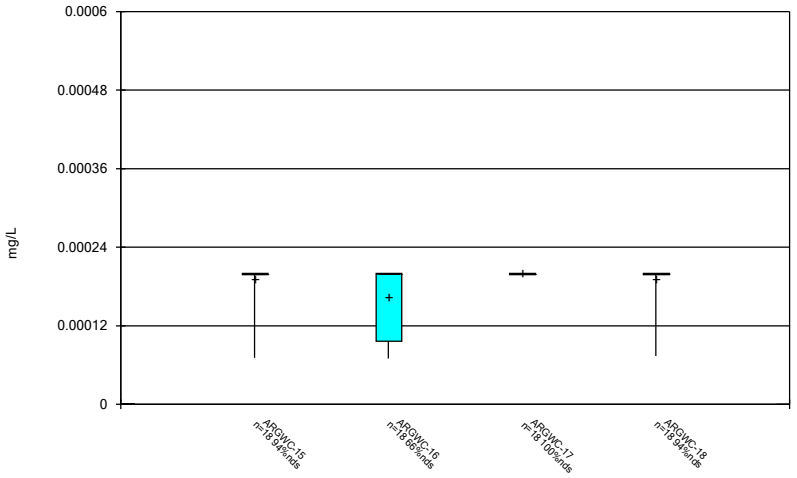
Box & Whiskers Plot



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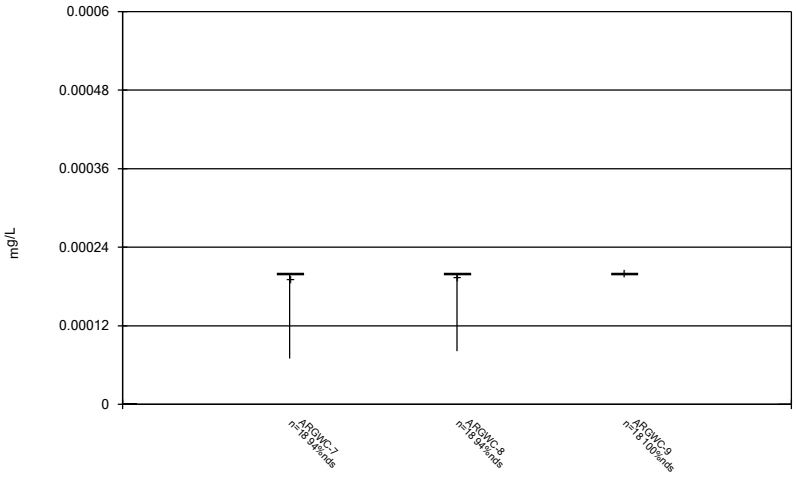

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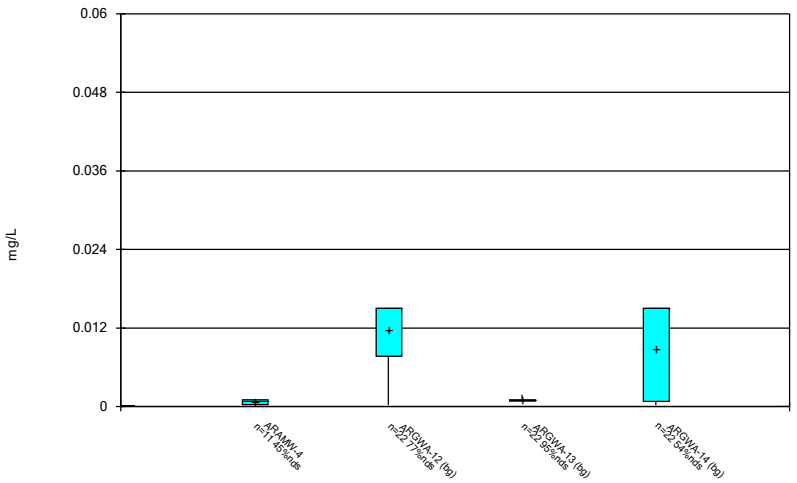
Box & Whiskers Plot



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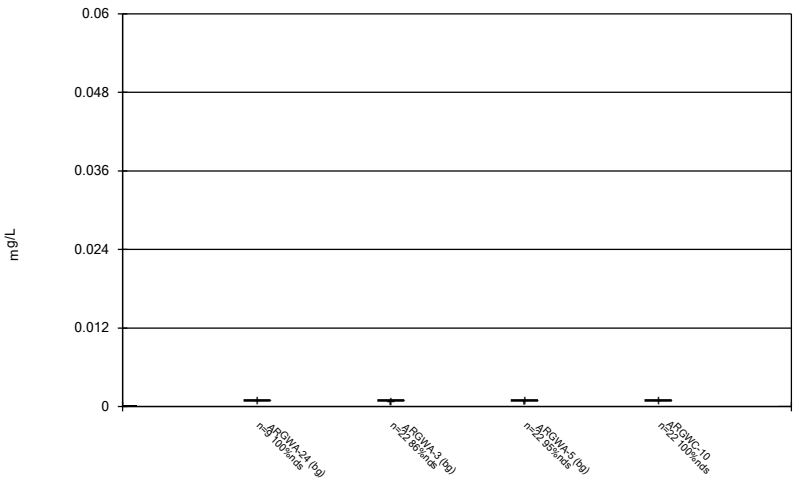
Box & Whiskers Plot



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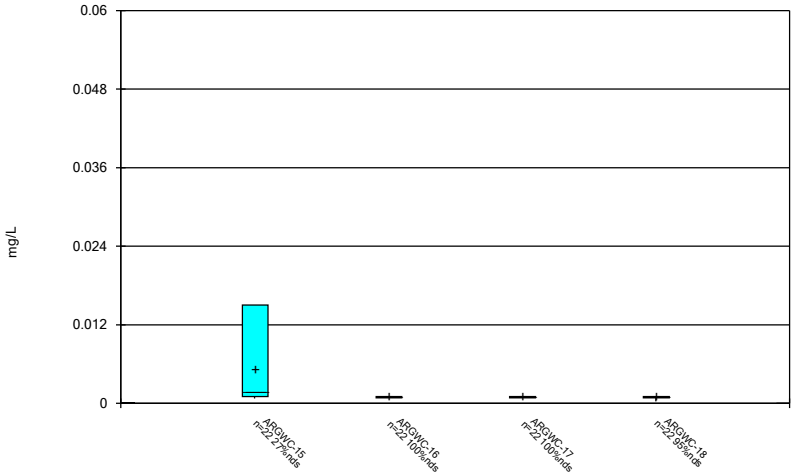

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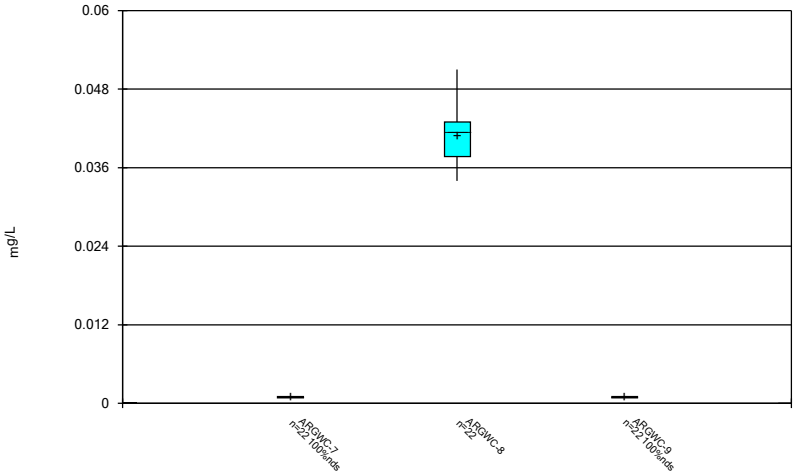

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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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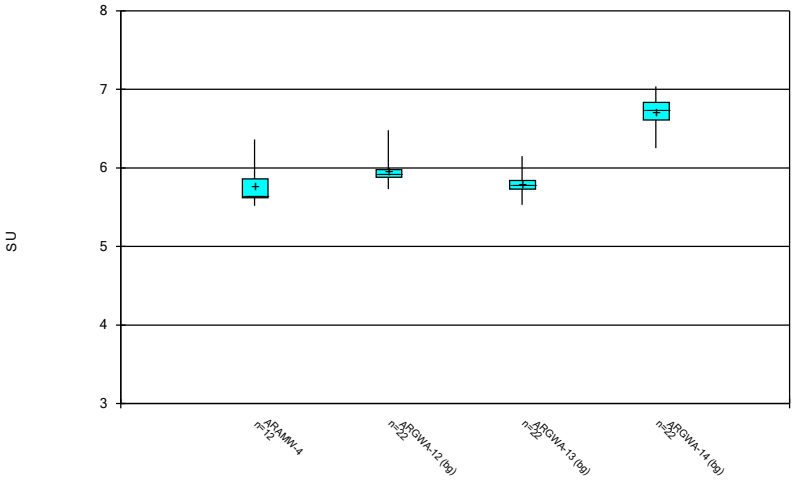
Box & Whiskers Plot



Constituent: pH Analysis Run 10/3/2024 12:17 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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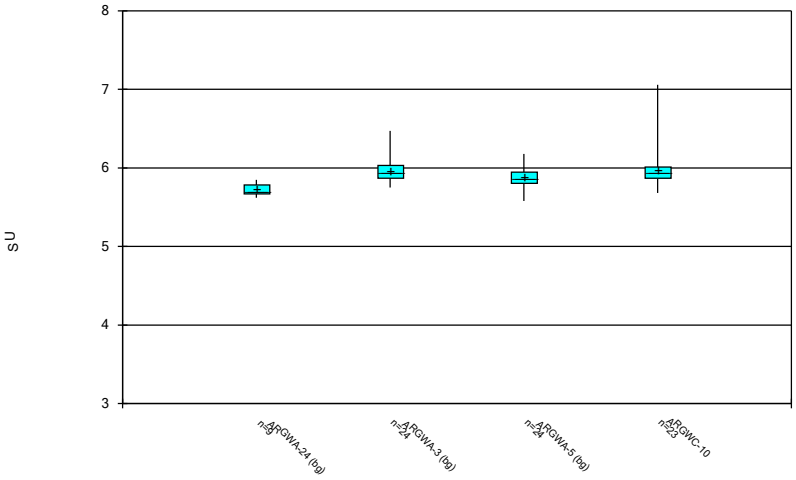
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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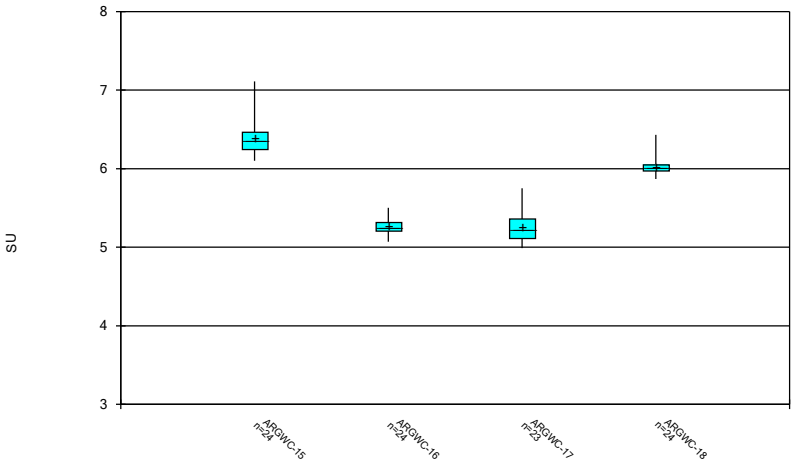
Box & Whiskers Plot



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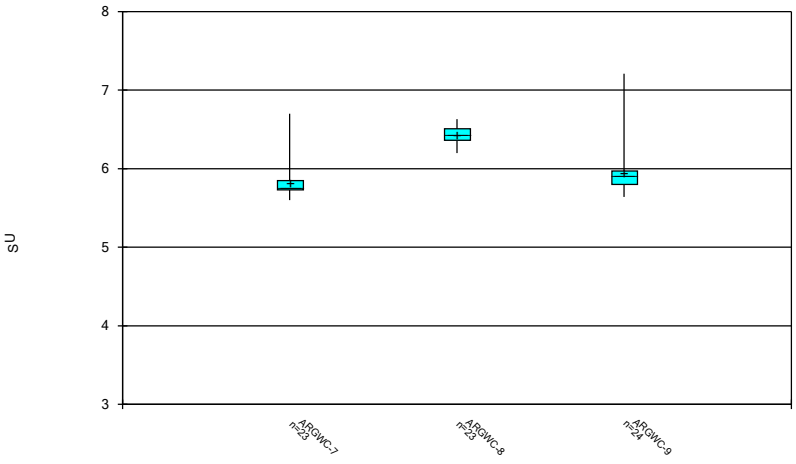
Box & Whiskers Plot



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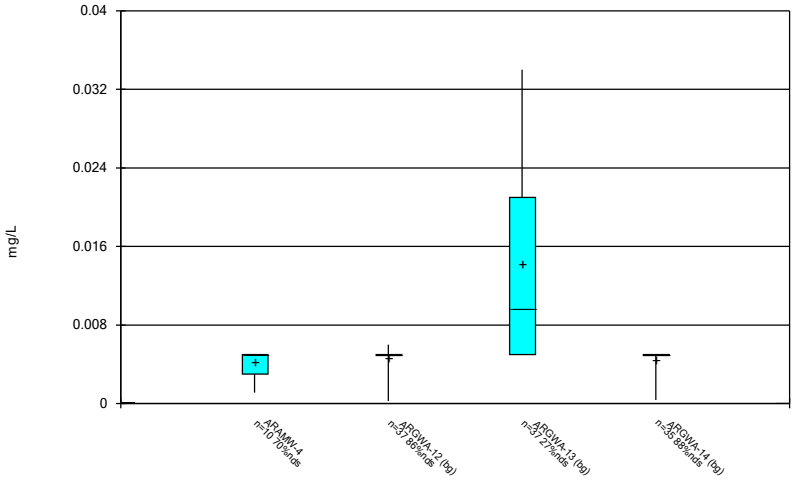
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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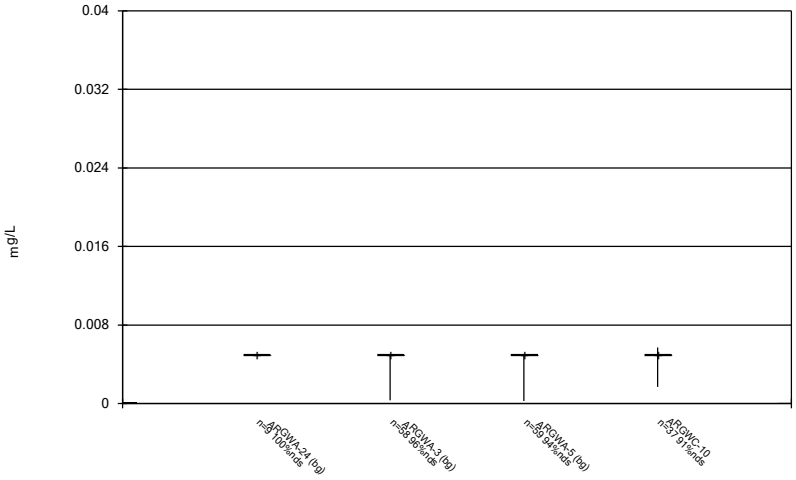
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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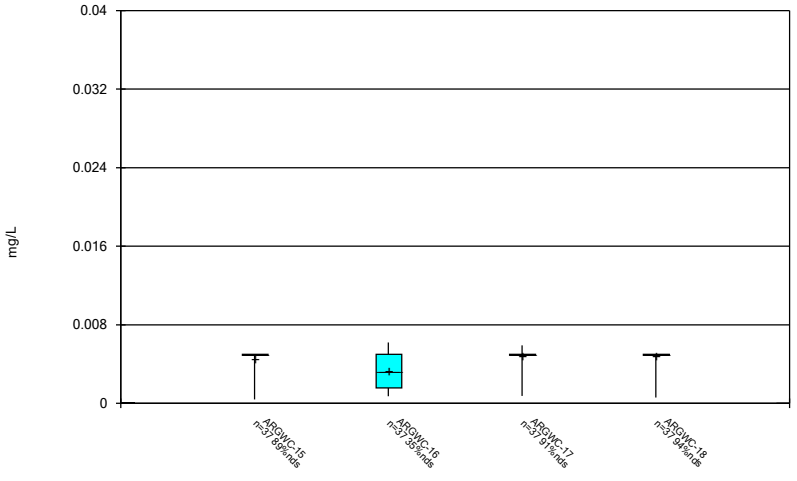
Box & Whiskers Plot



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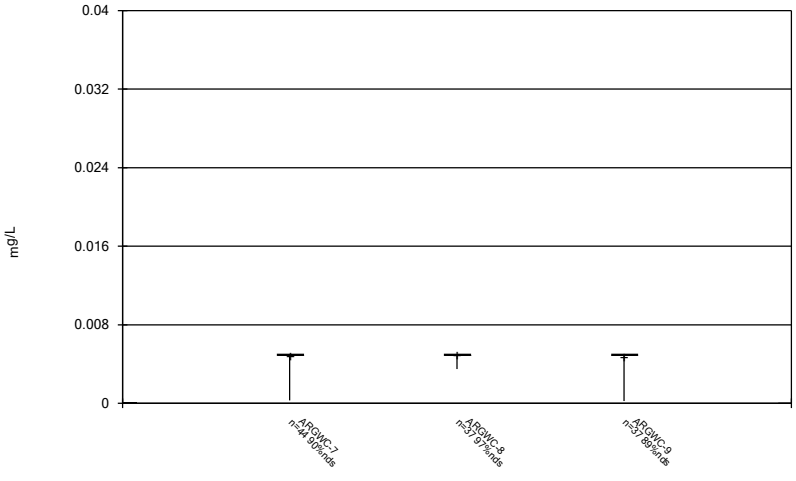

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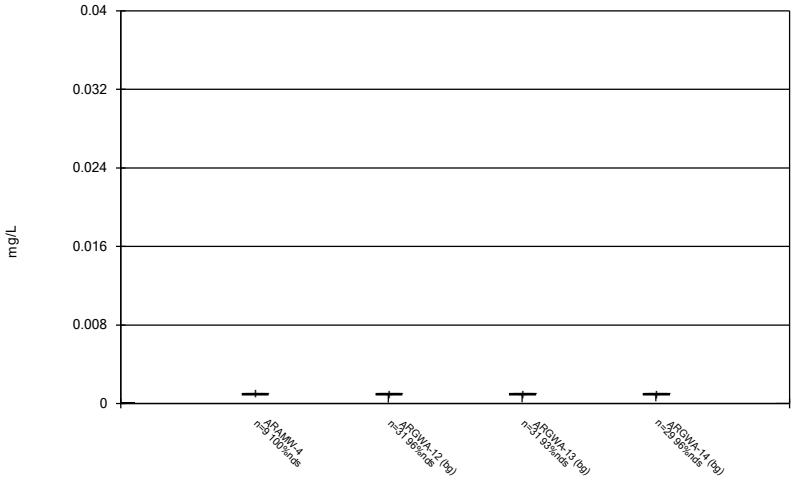

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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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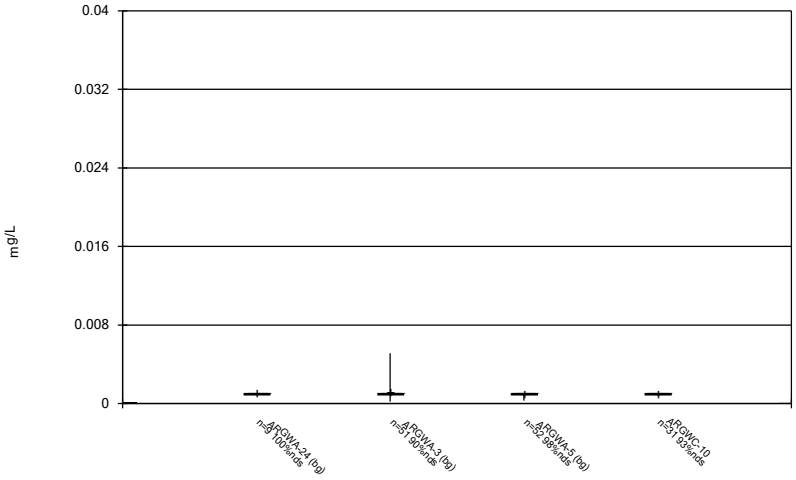
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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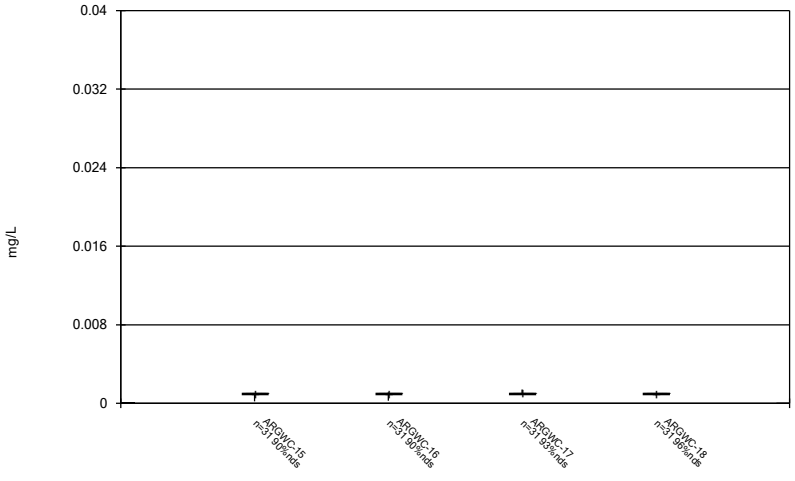

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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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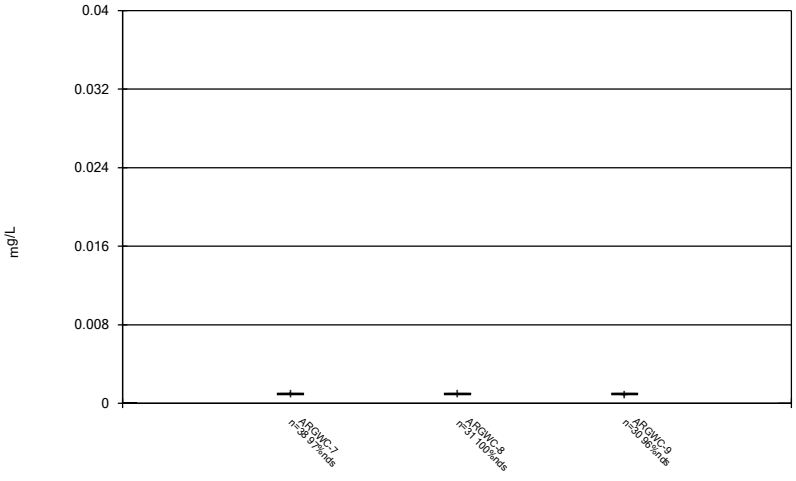

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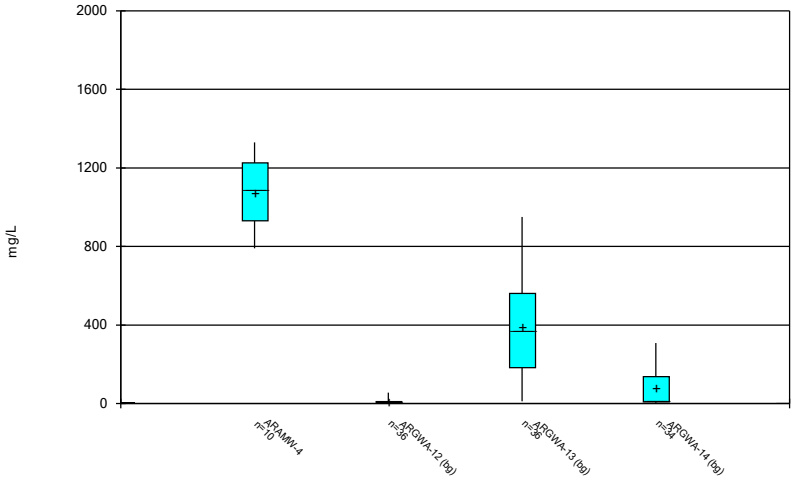

Constituent: Sulfate Analysis Run 10/3/2024 12:17 PM

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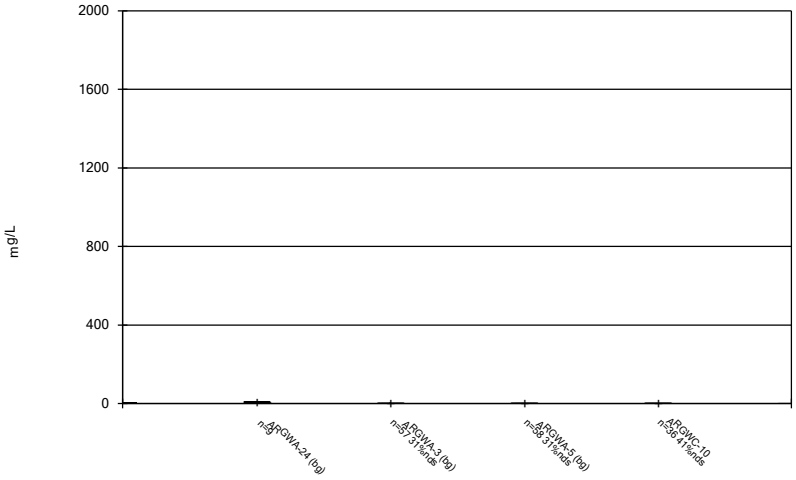
Box & Whiskers Plot



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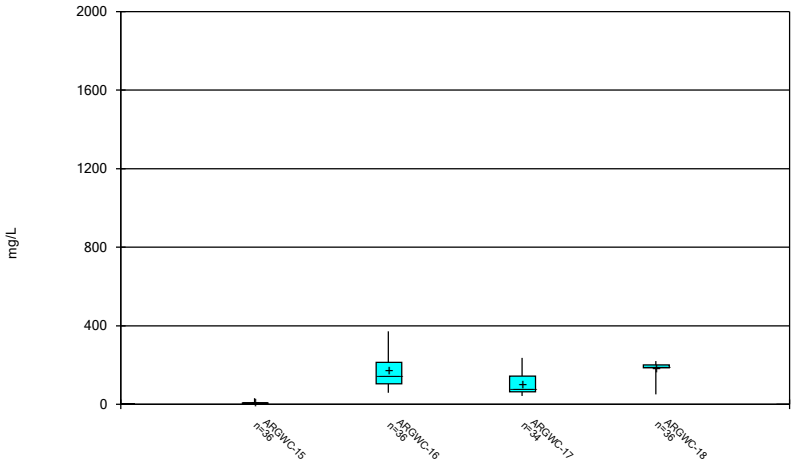

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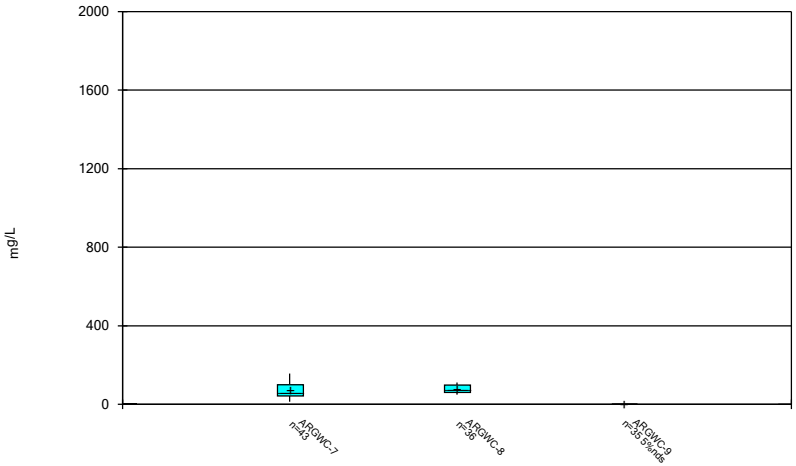

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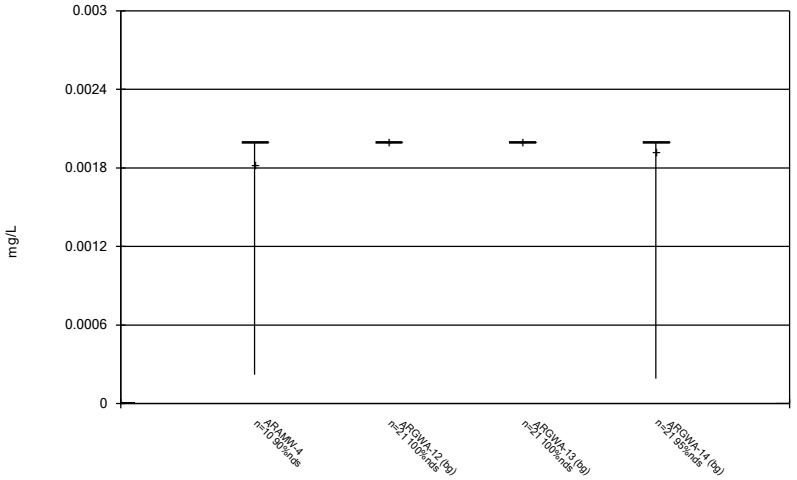
Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/3/2024 12:17 PM

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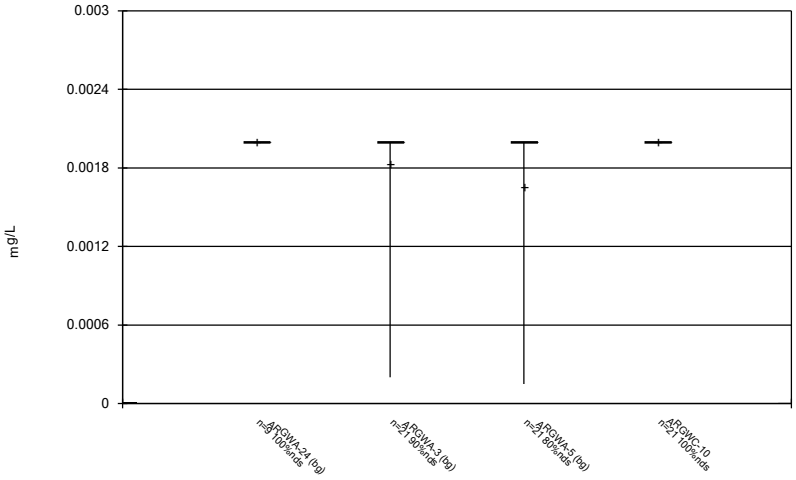
Box & Whiskers Plot



Constituent: Thallium Analysis Run 10/3/2024 12:17 PM

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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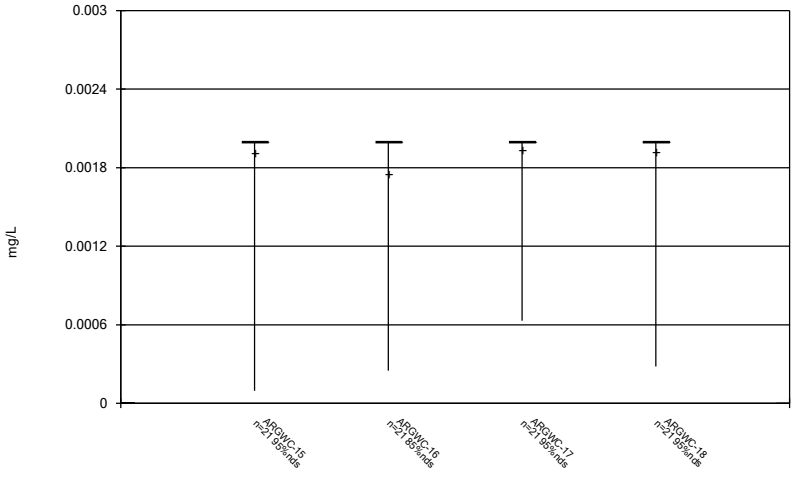
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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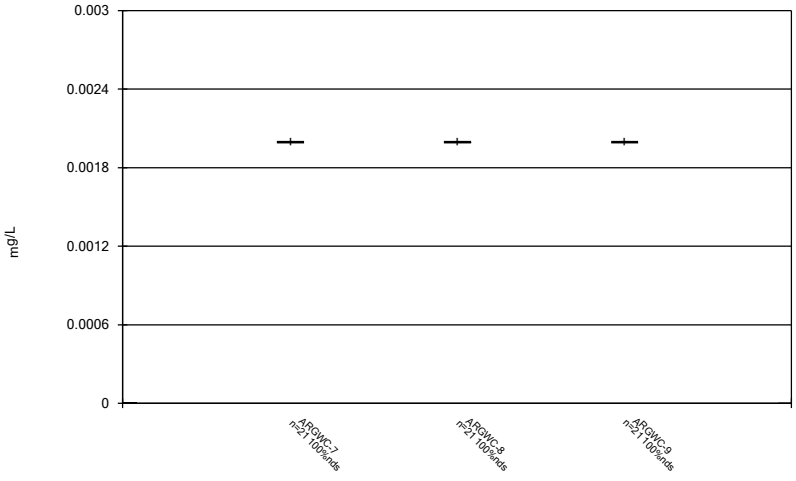
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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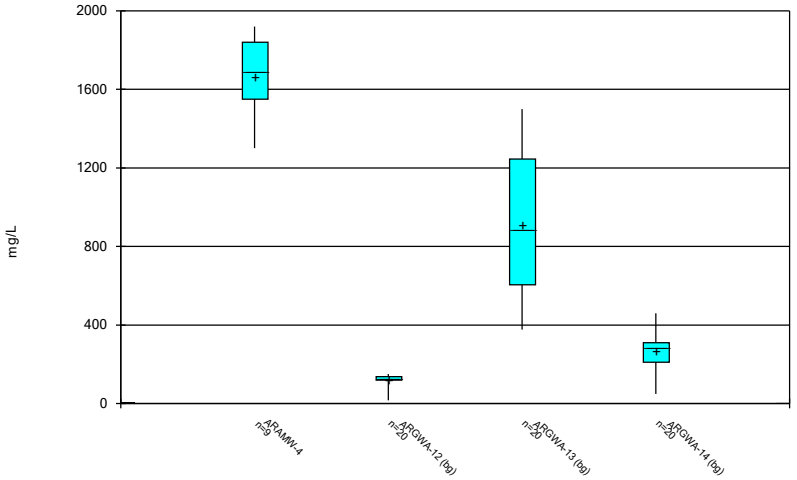
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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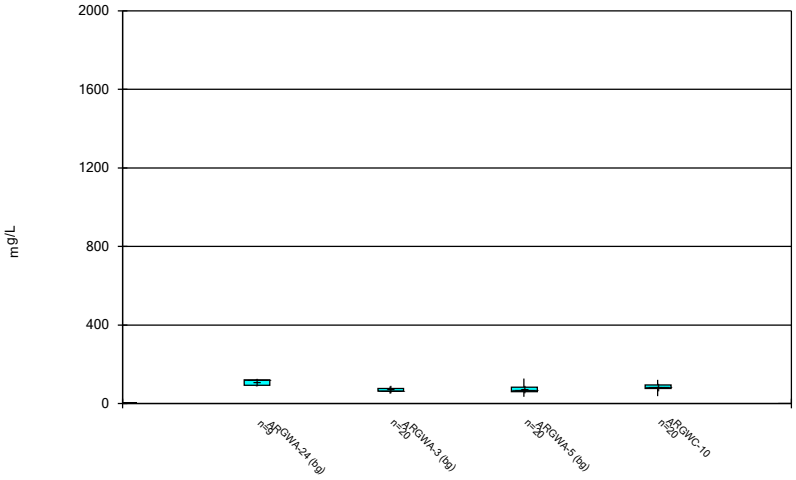
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 10/3/2024 12:17 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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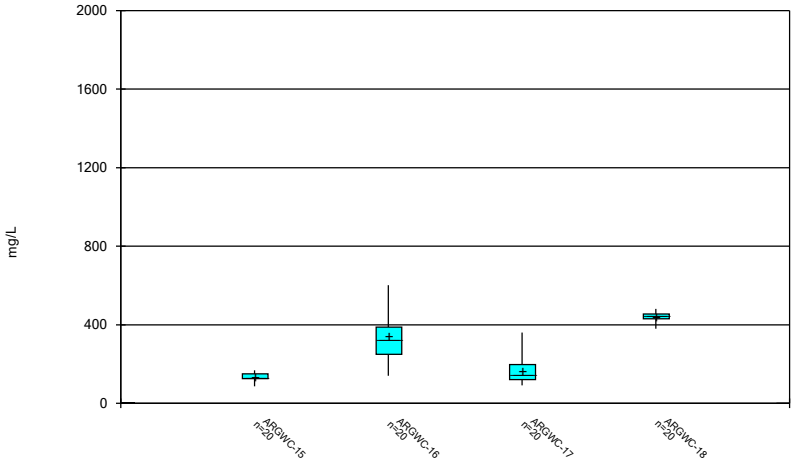
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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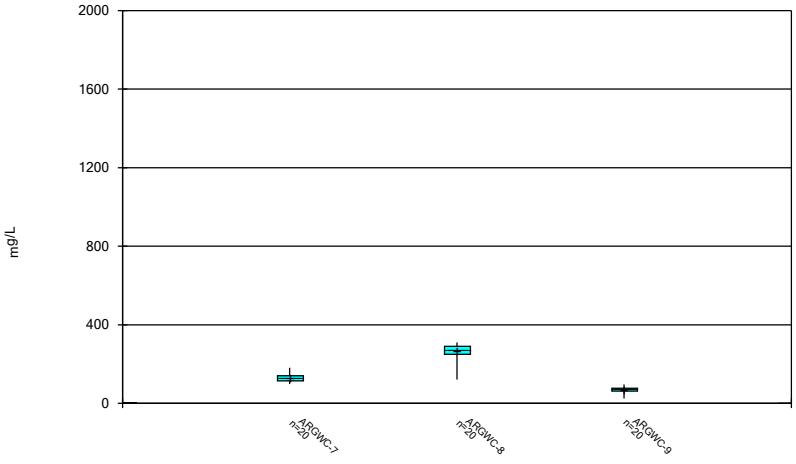
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 10/3/2024 12:17 PM
Plant Arkwright Client: Southern Company Data: Arkwright No 3

FIGURE C.

Outlier Summary

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 12:11 PM

	ARGWC-10 Arsenic (mg/L)	ARGWC-16 Arsenic (mg/L)	ARGWC-17 Arsenic (mg/L)	ARGWC-18 Arsenic (mg/L)	ARGWC-9 Arsenic (mg/L)	ARGWA-12 Barium (mg/L)	ARGWA-3 Barium (mg/L)	ARGWC-10 Barium (mg/L)	ARGWC-15 Barium (mg/L)	ARGWC-16 Barium (mg/L)
12/16/1997							2.12 (o)			
6/30/1998										
12/2/1998										
12/10/2003										
12/14/2004										
10/30/2006							<0.001 (o)			
11/17/2007										
5/2/2008										
5/12/2009		0.003 (o)		0.0025 (o)						0.16 (o)
5/13/2009	0.0042 (o)				0.0034 (o)			0.15 (o)		
5/25/2010						0.038 (o)				
11/9/2010										
5/19/2011										
11/9/2011										
11/12/2011										
5/30/2012										
11/9/2012			0.01 (o)							
11/11/2012										
5/9/2013										
5/13/2013									0.2 (o)	
11/5/2013										
11/6/2013										
5/21/2014										
5/29/2014										
11/19/2014										
8/30/2016										
8/31/2016										
10/24/2016										
10/25/2016										
10/26/2016										
10/8/2019										

Outlier Summary

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 12:11 PM

	ARGWC-17 Barium (mg/L)	ARGWC-18 Barium (mg/L)	ARGWC-9 Barium (mg/L)	ARGWA-3 Cadmium (mg/L)	ARGWA-12 Chloride (mg/L)	ARGWA-14 Chloride (mg/L)	ARGWC-15 Chloride (mg/L)	ARGWC-18 Chloride (mg/L)	ARGWC-7 Chloride (mg/L)	ARGWC-8 Chloride (mg/L)
12/16/1997				0.103 (o)						
6/30/1998				0.007 (o)						
12/2/1998				0.007 (o)						
12/10/2003										
12/14/2004										
10/30/2006										
11/17/2007									13.5 (o)	
5/2/2008									12.9 (o)	
5/12/2009										
5/13/2009			0.14 (o)							
5/25/2010										
11/9/2010										<0.071 (o)
5/19/2011						28.2 (o)				
11/9/2011						32.8 (o)				
11/12/2011		0.092 (o)						12.3 (o)		
5/30/2012						30.8 (o)				
11/9/2012	0.4 (o)									
11/11/2012						24.6 (o)				
5/9/2013						27.2 (o)				
5/13/2013										
11/5/2013		0.087 (o)								
11/6/2013										
5/21/2014										7.34 (o)
5/29/2014						20 (o)				
11/19/2014						19 (o)				
8/30/2016										
8/31/2016										
10/24/2016										
10/25/2016										
10/26/2016										
10/8/2019					64 (o)		9.4 (o)			

Outlier Summary

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 12:11 PM

	ARGWC-18 Fluoride (mg/L)	ARGWC-8 Fluoride (mg/L)	ARGWA-3 Lead (mg/L)	ARGWA-5 Lead (mg/L)	ARGWC-15 Lead (mg/L)	ARGWC-7 Lead (mg/L)	ARGWA-12 Lithium (mg/L)	ARGWA-12 pH (SU)	ARGWA-13 pH (SU)	ARGWA-14 pH (SU)
12/16/1997			0.162 (o)							
6/30/1998										
12/2/1998										
12/10/2003										
12/14/2004				0.013 (o)						
10/30/2006										
11/17/2007										
5/2/2008						0.008 (o)				
5/12/2009										
5/13/2009										
5/25/2010										
11/9/2010										
5/19/2011										
11/9/2011										
11/12/2011										
5/30/2012										
11/9/2012										
11/11/2012										
5/9/2013										
5/13/2013					0.025 (o)					
11/5/2013										
11/6/2013										
5/21/2014										
5/29/2014										
11/19/2014										
8/30/2016								6.82 (o)		
8/31/2016									6.67 (o)	7.55 (o)
10/24/2016							<0.05 (o)			
10/25/2016										
10/26/2016	0.32 (o)	0.43 (o)								
10/8/2019										

Outlier Summary

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 12:11 PM

	ARGWA-3 Silver (mg/L)	ARGWA-5 Silver (mg/L)	ARGWC-9 Silver (mg/L)	ARGWC-17 Sulfate (mg/L)	ARGWC-9 Sulfate (mg/L)
12/16/1997	0.035 (o)				
6/30/1998					
12/2/1998					
12/10/2003		0.002 (o)			
12/14/2004					
10/30/2006					
11/17/2007					
5/2/2008					
5/12/2009					
5/13/2009			0.0024 (o)		
5/25/2010					
11/9/2010					
5/19/2011					
11/9/2011					
11/12/2011					
5/30/2012					
11/9/2012				842 (o)	
11/11/2012					
5/9/2013					
5/13/2013					
11/5/2013					
11/6/2013				471 (o)	
5/21/2014					
5/29/2014					
11/19/2014					
8/30/2016					
8/31/2016					
10/24/2016					
10/25/2016					4.7 (o)
10/26/2016					
10/8/2019					

FIGURE D.

Appendix I Interwell Prediction Limits - All Results (No Significant)

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:19 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	ARGWC-10	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-15	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-16	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-17	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-18	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-7	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-8	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-9	0.00593	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.13	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Barium (mg/L)	ARGWC-10	0.24	n/a	8/21/2024	0.0328	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-15	0.24	n/a	8/21/2024	0.039	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-16	0.24	n/a	8/21/2024	0.0349	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-17	0.24	n/a	8/21/2024	0.048	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-18	0.24	n/a	8/21/2024	0.0355	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-7	0.24	n/a	8/21/2024	0.0473	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-8	0.24	n/a	8/21/2024	0.0585	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-9	0.24	n/a	8/21/2024	0.0363	No	232	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Cadmium (mg/L)	ARGWC-15	0.0043	n/a	8/21/2024	0.001ND	No	227	n/a	n/a	95.15	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	ARGWC-16	0.0043	n/a	8/21/2024	0.001ND	No	227	n/a	n/a	95.15	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	ARGWC-17	0.0043	n/a	8/21/2024	0.001ND	No	227	n/a	n/a	95.15	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-10	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-15	0.013	n/a	8/21/2024	0.000948J	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-16	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-17	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-18	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-7	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-8	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-9	0.013	n/a	8/21/2024	0.002ND	No	233	n/a	n/a	90.56	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-10	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-15	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-16	0.034	n/a	8/21/2024	0.00497J	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-17	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-18	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-7	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-8	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-9	0.034	n/a	8/21/2024	0.005ND	No	235	n/a	n/a	82.55	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-10	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-15	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-16	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-17	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-18	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-7	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-9	0.0051	n/a	8/21/2024	0.001ND	No	203	n/a	n/a	95.07	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2

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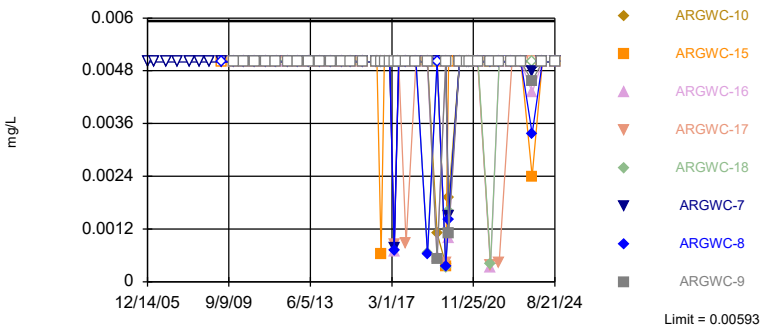
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 235 background values. 82.13% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Arsenic Analysis Run 10/3/2024 11:17 AM View: Appendix I
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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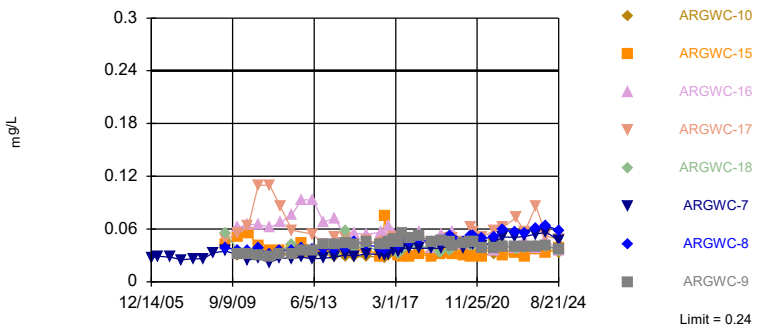
Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 232 background values. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Barium Analysis Run 10/3/2024 11:17 AM View: Appendix I
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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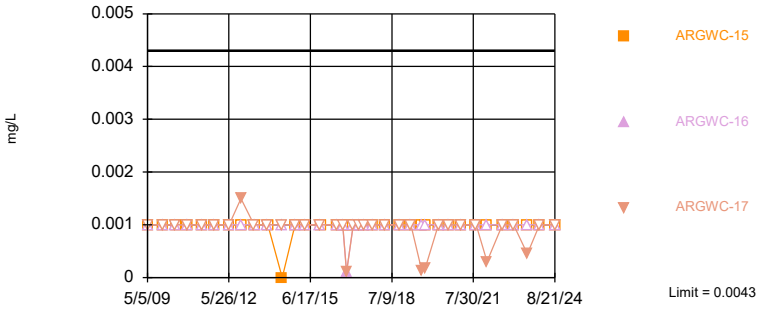
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 227 background values. 95.15% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 3 points to limit. Assumes 5 future values.

Constituent: Cadmium Analysis Run 10/3/2024 11:17 AM View: Appendix I
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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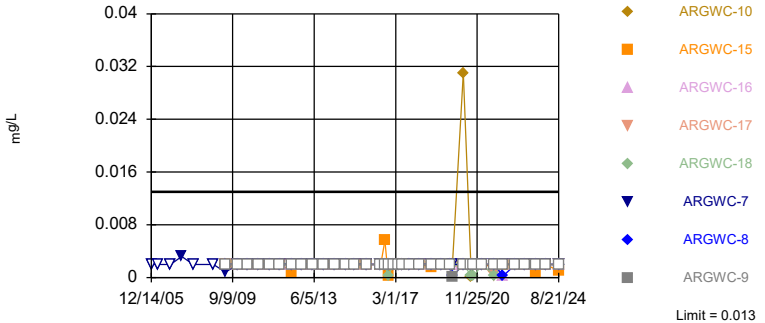
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 233 background values. 90.56% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Lead Analysis Run 10/3/2024 11:17 AM View: Appendix I
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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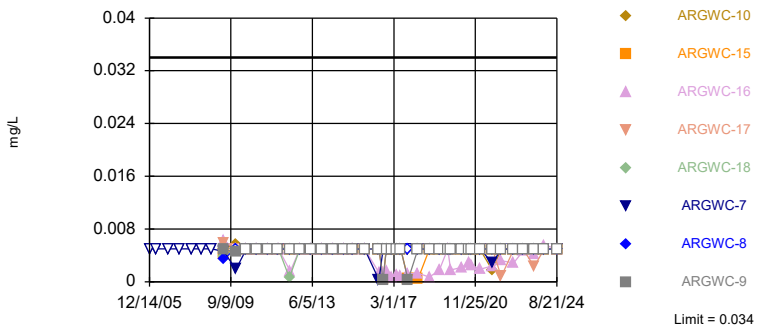
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 235 background values. 82.55% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Selenium Analysis Run 10/3/2024 11:17 AM View: Appendix I
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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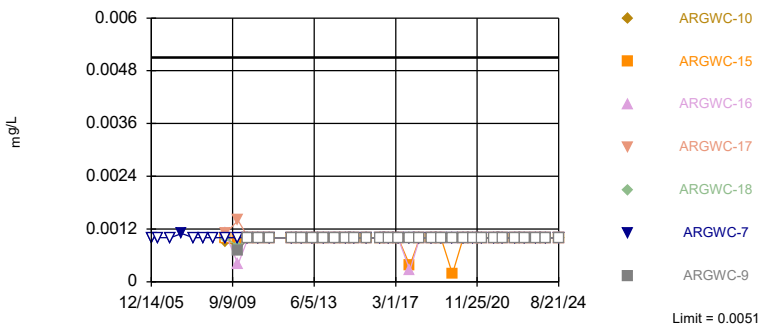
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 203 background values. 95.07% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 7 points to limit. Assumes 1 future value.

Constituent: Silver Analysis Run 10/3/2024 11:17 AM View: Appendix I
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-8	ARGWC-9
12/16/1997	0.002	<0.005							
6/30/1998	0.0006	<0.005							
12/2/1998	0.0007	<0.005							
6/8/1999	<0.005	<0.005							
12/7/1999	<0.005	<0.005							
6/15/2000	<0.005	<0.005							
12/12/2000	0.000475	0.00032							
12/5/2001	<0.005	0.0003							
6/26/2002	0.000431	0.000939							
12/3/2002	<0.005	<0.005							
6/11/2003	<0.005	<0.005							
12/10/2003	<0.005	<0.005							
6/15/2004	<0.005	<0.005							
12/14/2004	<0.005	<0.005							
6/2/2005	<0.005	<0.005							
12/14/2005	<0.005	<0.005	<0.005						
4/5/2006	<0.005	<0.005	<0.005						
10/30/2006	<0.005	<0.005	<0.005						
5/10/2007	0.0044	<0.005	<0.005						
11/17/2007	<0.005	<0.005	<0.005						
5/2/2008			<0.005						
5/3/2008	<0.005	<0.005							
10/22/2008	<0.005	<0.005	<0.005						
5/5/2009				<0.005					
5/6/2009		<0.005			<0.005				
5/7/2009	0.0028					0.0013			
5/12/2009							<0.005		
5/13/2009									0.0034 (o)
5/14/2009			<0.005					<0.005	
12/1/2009		<0.005	<0.005						
12/3/2009					<0.005	<0.005		<0.005	<0.005
12/4/2009	<0.005			<0.005			<0.005		
12/5/2009									
5/25/2010		<0.005			<0.005	<0.005	<0.005		
5/26/2010			<0.005					<0.005	<0.005
6/1/2010	<0.005			<0.005					
6/2/2010									
11/9/2010		<0.005			<0.005		<0.005	<0.005	<0.005
11/10/2010	<0.005		<0.005	<0.005		<0.005			
5/18/2011								<0.005	
5/19/2011									<0.005
5/24/2011		<0.005			<0.005		<0.005		
5/25/2011	<0.005		<0.005	<0.005		<0.005			
11/9/2011				<0.005					
11/10/2011		<0.005			<0.005	<0.005			
11/11/2011			<0.005					<0.005	<0.005
11/12/2011	<0.005						<0.005		
5/17/2012			<0.005					<0.005	<0.005
5/18/2012		<0.005			<0.005				
5/30/2012						<0.005	<0.005		
5/31/2012	<0.005			<0.005					
11/9/2012		<0.005	<0.005		<0.005	<0.005	0.01 (o)	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-8	ARGWC-9
11/10/2012				<0.005					
11/11/2012	<0.005								
5/7/2013								<0.005	<0.005
5/8/2013		<0.005	<0.005		<0.005		<0.005		
5/9/2013						<0.005			
5/13/2013	<0.005			<0.005					
11/5/2013			<0.005					<0.005	
11/6/2013		<0.005			<0.005		<0.005		<0.005
11/11/2013						<0.005			
11/12/2013	<0.005			<0.005					
5/20/2014		<0.005			<0.005		<0.005		
5/21/2014			<0.005			<0.005		<0.005	<0.005
5/28/2014				<0.005					
5/29/2014	<0.005								
11/17/2014		<0.005	<0.005				<0.005		
11/18/2014					<0.005	<0.005		<0.005	<0.005
11/19/2014									
11/20/2014				<0.005					
4/7/2015		<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2015	<0.005			<0.005	<0.005				
4/15/2015									
10/28/2015		<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
10/29/2015					<0.005				
11/3/2015	<0.005			<0.005					
11/4/2015									
6/23/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005
6/24/2016							<0.005		
8/30/2016		<0.005			<0.005				
8/31/2016	<0.005		<0.005			<0.005		<0.005	<0.005
9/1/2016							<0.005		
9/2/2016				0.00062 (J)					
10/24/2016					<0.005				
10/25/2016	<0.005	<0.005	<0.005			<0.005	<0.005		<0.005
10/26/2016				<0.005				<0.005	
1/23/2017					<0.005				
1/24/2017	<0.005	<0.005				<0.005			
1/26/2017			<0.005	<0.005			<0.005	<0.005	<0.005
1/27/2017									
4/11/2017	0.00067 (J)	0.00077 (J)			0.00076 (J)	0.00063 (J)	0.00084 (J)		
4/12/2017			0.00078 (J)	<0.005				0.00072 (J)	<0.005
6/20/2017	0.00064 (J)	0.00052 (J)							
6/21/2017				<0.005	<0.005	<0.005	<0.005	<0.005	
6/22/2017			<0.005						<0.005
10/25/2017	<0.005	<0.005	<0.005		<0.005	<0.005			<0.005
10/26/2017				<0.005			0.00087 (J)	<0.005	
4/9/2018						<0.005			
4/10/2018	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005		
4/11/2018								<0.005	<0.005
10/16/2018	<0.005	<0.005			<0.005	0.00055 (J)			
10/17/2018			<0.005	<0.005			<0.005	0.00063 (J)	<0.005
3/26/2019						0.00089 (J)			
3/27/2019	0.00055 (J)	0.00055 (J)		<0.005	0.00049 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-8	ARGWC-9
3/28/2019			<0.005				<0.005	<0.005	0.00051 (J)
8/19/2019						0.00045 (J)			
8/20/2019	0.00045 (J)	0.00058 (J)			0.00046 (J)				
8/21/2019			<0.005	0.00036 (J)			0.00044 (J)	0.00036 (J)	<0.005
10/7/2019									
10/8/2019	<0.005	<0.005		<0.005	<0.005	<0.005			
10/9/2019			0.0015				0.0015	0.0014	0.0011
4/6/2020									
4/7/2020	<0.005	<0.005			<0.005	<0.005			
4/8/2020			<0.005	<0.005			<0.005		
4/9/2020								<0.005	<0.005
8/18/2020	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005		
8/19/2020				<0.005					<0.005
8/20/2020								<0.005	
9/29/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
9/30/2020									
10/1/2020								<0.005	<0.005
12/1/2020									
2/9/2021	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005		
2/10/2021			<0.005					<0.005	<0.005
2/11/2021									
9/7/2021					<0.005	<0.005			
9/8/2021	<0.005	<0.005		<0.005			0.00039 (J)		
9/9/2021								<0.005	<0.005
9/10/2021			<0.005						
2/1/2022	<0.005	<0.005			<0.005	<0.005			
2/2/2022							0.00044 (J)	<0.005	<0.005
2/3/2022			<0.005	<0.005					
8/30/2022		<0.005			<0.005				
8/31/2022	<0.005		<0.005	<0.005		<0.005		<0.005	<0.005
9/2/2022							<0.005		
2/2/2023			<0.005		<0.005			<0.005	<0.005
2/3/2023	<0.005	<0.005		<0.005		<0.005	<0.005		
2/7/2023									
8/9/2023	<0.005				<0.005	<0.005	<0.005		
8/10/2023		0.00593	0.0048 (J)	0.0024 (J)				0.00337 (J)	0.00457 (J)
1/24/2024	<0.005	<0.005							
1/25/2024			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/20/2024	<0.005				<0.005				
8/21/2024		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
8/22/2024									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-18	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997					
6/30/1998					
12/2/1998					
6/8/1999					
12/7/1999					
6/15/2000					
12/12/2000					
12/5/2001					
6/26/2002					
12/3/2002					
6/11/2003					
12/10/2003					
6/15/2004					
12/14/2004					
6/2/2005					
12/14/2005					
4/5/2006					
10/30/2006					
5/10/2007					
11/17/2007					
5/2/2008					
5/3/2008					
10/22/2008					
5/5/2009					
5/6/2009					
5/7/2009					
5/12/2009		0.0025 (o)	0.003 (o)		
5/13/2009	0.0042 (o)				
5/14/2009					
12/1/2009					
12/3/2009	<0.005				
12/4/2009		<0.005			
12/5/2009			<0.005		
5/25/2010		<0.005			
5/26/2010	<0.005		<0.005		
6/1/2010					
6/2/2010				<0.005	
11/9/2010	<0.005		<0.005		
11/10/2010		<0.005		<0.005	
5/18/2011					
5/19/2011	<0.005	<0.005		<0.005	
5/24/2011			<0.005		
5/25/2011					
11/9/2011				<0.005	
11/10/2011					
11/11/2011	<0.005				
11/12/2011		<0.005	<0.005		
5/17/2012	<0.005	<0.005			
5/18/2012					
5/30/2012			<0.005	0.0026 (J)	
5/31/2012					
11/9/2012	<0.005		<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-18	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
11/10/2012		<0.005			
11/11/2012				<0.005	
5/7/2013	<0.005	<0.005			
5/8/2013					
5/9/2013				<0.005	
5/13/2013			<0.005		
11/5/2013		<0.005			
11/6/2013	<0.005		<0.005		
11/11/2013				<0.005	
11/12/2013					
5/20/2014	<0.005				
5/21/2014			<0.005		
5/28/2014		<0.005			
5/29/2014				0.005 (J)	
11/17/2014			<0.005		
11/18/2014	<0.005				
11/19/2014		<0.005		<0.005	
11/20/2014					
4/7/2015	<0.005		<0.005		
4/14/2015				<0.005	
4/15/2015		<0.005			
10/28/2015	<0.005		<0.005		
10/29/2015		<0.005			
11/3/2015					
11/4/2015				<0.005	
6/23/2016	<0.005			0.0026	
6/24/2016		<0.005	<0.005		
8/30/2016					
8/31/2016				0.0032	
9/1/2016	<0.005	<0.005	<0.005		
9/2/2016					
10/24/2016					
10/25/2016	<0.005		<0.005	<0.005	
10/26/2016		<0.005			
1/23/2017				0.00088 (J)	
1/24/2017					
1/26/2017			<0.005		
1/27/2017	<0.005	<0.005			
4/11/2017			0.00067 (J)	0.00095 (J)	
4/12/2017	<0.005	<0.005			
6/20/2017				0.00099 (J)	
6/21/2017		<0.005	<0.005		
6/22/2017	<0.005				
10/25/2017		<0.005		<0.005	
10/26/2017	<0.005		<0.005		
4/9/2018				<0.005	
4/10/2018			<0.005		
4/11/2018	<0.005	<0.005			
10/16/2018			<0.005	0.00083 (J)	
10/17/2018	<0.005	0.00066 (J)			
3/26/2019					
3/27/2019		<0.005		0.0013	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-18	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
3/28/2019	0.0011 (J)		0.00057 (J)		
8/19/2019					
8/20/2019			<0.005		
8/21/2019	0.0004 (J)	0.00033 (J)		0.0013	
10/7/2019				0.00045 (J)	
10/8/2019					
10/9/2019	0.0019	0.0016	0.001		
4/6/2020				<0.005	
4/7/2020					
4/8/2020	<0.005		<0.005		
4/9/2020		<0.005			
8/18/2020					
8/19/2020	<0.005		<0.005	<0.005	
8/20/2020		<0.005			
9/29/2020			<0.005	0.00038 (J)	
9/30/2020		<0.005			
10/1/2020	<0.005				
12/1/2020					<0.005
2/9/2021	<0.005		<0.005		<0.005
2/10/2021		<0.005			
2/11/2021				<0.005	
9/7/2021					
9/8/2021			0.00031 (J)	0.00034 (J)	<0.005
9/9/2021		0.0004 (J)			
9/10/2021	<0.005				
2/1/2022					<0.005
2/2/2022	<0.005			0.00033 (J)	
2/3/2022		<0.005	<0.005		
8/30/2022					
8/31/2022	<0.005		<0.005	<0.005	<0.005
9/2/2022		<0.005			
2/2/2023	<0.005	<0.005	<0.005		<0.005
2/3/2023					
2/7/2023				<0.005	
8/9/2023	<0.005				<0.005
8/10/2023		<0.005	0.00431 (J)	0.00349 (J)	
1/24/2024				<0.005	<0.005
1/25/2024	<0.005	<0.005	<0.005		
8/20/2024					<0.005
8/21/2024	<0.005	<0.005	<0.005		
8/22/2024				<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-8
12/16/1997	0.032	2.12 (o)							
6/30/1998	0.028	0.177							
12/2/1998	0.032	0.115							
6/8/1999	0.0287	0.074							
12/7/1999	0.034	0.043							
6/15/2000	0.034	0.113							
12/12/2000	0.027	0.059							
12/5/2001	0.027	0.052							
6/26/2002	0.032	0.087							
12/3/2002	0.023	0.043							
6/11/2003	0.04	0.24							
12/10/2003	0.024	0.03							
6/15/2004	0.021	0.028							
12/14/2004	0.025	0.017							
6/2/2005	0.025	0.019							
12/14/2005	0.026	0.02	0.027						
4/5/2006	0.027	0.019	0.029						
10/30/2006	0.027	<0.001 (o)	0.028						
5/10/2007	0.024	0.017	0.025						
11/17/2007	0.026	0.015	0.026						
5/2/2008			0.026						
5/3/2008	0.022	0.017							
10/22/2008	0.027	0.11	0.033						
5/5/2009				0.042					
5/6/2009	0.023				0.065				
5/7/2009		0.13				0.068			
5/12/2009							0.048	0.055	
5/13/2009									
5/14/2009			0.035						0.039
12/1/2009	0.033		0.031						
12/3/2009					0.062	0.044			0.036
12/4/2009		0.019		0.051			0.055	0.036	
12/5/2009									
5/25/2010	0.03				0.038 (o)	0.049	0.063	0.033	
5/26/2010			0.025						0.036
6/1/2010		0.027		0.055					
6/2/2010									
11/9/2010	0.033				0.059		0.11		0.038
11/10/2010		0.025	0.027	0.041		0.052		0.038	
5/18/2011									0.032
5/19/2011								0.028	
5/24/2011	0.027				0.054		0.11		
5/25/2011		0.015	0.022	0.035		0.045			
11/9/2011				0.035					
11/10/2011	0.032				0.063	0.11			
11/11/2011			0.027						0.036
11/12/2011		0.021					0.086	0.092 (o)	
5/17/2012			0.0265					0.0427	0.0353
5/18/2012	0.0311				0.0646				
5/30/2012						0.0831	0.0586		
5/31/2012		0.0222		0.0372					
11/9/2012	0.034		0.028		0.081	0.13	0.4 (o)		0.038

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-8
11/10/2012				0.044				0.038	
11/11/2012		0.022							
5/7/2013								0.03	0.037
5/8/2013	0.026		0.026		0.066		0.054		
5/9/2013						0.059			
5/13/2013		0.019		0.2 (o)					
11/5/2013			0.027					0.087 (o)	0.037
11/6/2013	0.028				0.074		0.043		
11/11/2013						0.12			
11/12/2013		0.025		0.035					
5/20/2014	0.027				0.057		0.051		
5/21/2014			0.028			0.073			0.037
5/28/2014				0.038				0.032	
5/29/2014		0.024							
11/17/2014	0.029		0.031				0.049		
11/18/2014					0.069	0.072			0.038
11/19/2014								0.058	
11/20/2014				0.037					
4/7/2015	0.024		0.029			0.06	0.043		0.045
4/14/2015		0.022		0.035	0.067				
4/15/2015								0.039	
10/28/2015	0.028		0.032			0.057	0.047		0.042
10/29/2015					0.069			0.04	
11/3/2015		0.022		0.038					
11/4/2015									
6/23/2016	0.025	0.019	0.031	0.028	0.063	0.036			0.039
6/24/2016							0.044	0.034	
8/30/2016	0.026				0.062				
8/31/2016		0.018	0.03			0.041			0.037
9/1/2016							0.046	0.033	
9/2/2016				0.074					
10/24/2016					0.0674				
10/25/2016	0.0293	0.016	0.0317			0.0429	0.0436		
10/26/2016				0.0408				0.0339	0.0423
1/23/2017					0.069				
1/24/2017	0.028	0.017				0.025			
1/26/2017			0.035	0.038			0.051		0.046
1/27/2017								0.037	
4/11/2017	0.024	0.016			0.064	0.024	0.043		
4/12/2017			0.034	0.03				0.032	0.041
6/20/2017	0.027	0.02							
6/21/2017				0.028	0.074	0.034	0.043	0.036	0.049
6/22/2017			0.038						
10/25/2017	0.03	0.019	0.038		0.07	0.03		0.041	
10/26/2017				0.029			0.038		0.046
4/9/2018						0.023			
4/10/2018	0.028	0.019	0.038	0.032	0.073		0.046		
4/11/2018								0.04	0.048
10/16/2018	0.027	0.018			0.069	0.028			
10/17/2018			0.038	0.028			0.043	0.039	0.045
3/26/2019						0.029			
3/27/2019	0.024	0.019		0.032	0.063			0.033	

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-8
3/28/2019			0.038				0.045		0.045
8/19/2019						0.035			
8/20/2019	0.029	0.02			0.075				
8/21/2019			0.041	0.033			0.05	0.036	0.052
10/7/2019									
10/8/2019	0.03	0.02		0.031	0.078	0.042			
10/9/2019			0.046				0.049	0.039	0.049
4/6/2020									
4/7/2020	0.02	0.018			0.066	0.021			
4/8/2020			0.039	0.03			0.045		
4/9/2020								0.041	0.045
8/18/2020	0.031	0.021	0.044		0.079	0.025	0.062		
8/19/2020				0.028					
8/20/2020								0.041	0.053
9/29/2020	0.03	0.019	0.042	0.03	0.079	0.024	0.056		
9/30/2020								0.041	
10/1/2020									0.052
12/1/2020									
2/9/2021	0.028	0.017		0.029	0.076	0.022	0.051		
2/10/2021			0.041					0.038	0.049
2/11/2021									
9/7/2021					0.073	0.031			
9/8/2021	0.033	0.018		0.043			0.058		
9/9/2021								0.046	0.051
9/10/2021			0.045						
2/1/2022	0.033	0.018			0.079	0.018			
2/2/2022							0.062		0.059
2/3/2022			0.051	0.03				0.043	
8/30/2022	0.0446				0.085				
8/31/2022		0.0181	0.0505	0.0325		0.0262			0.0571
9/2/2022							0.0727	0.0369	
2/2/2023			0.0518		0.087			0.0387	0.0554
2/3/2023	0.0484	0.0177		0.0287		0.0166	0.0572		
2/7/2023									
8/9/2023		0.0191			0.1	0.0299	0.0861		
8/10/2023	0.0638		0.054	0.037				0.0415	0.0603
1/24/2024	0.0621	0.0178							
1/25/2024			0.0563	0.0325	0.0833	0.0221	0.0519	0.0404	0.0641
8/20/2024		0.0172			0.0701				
8/21/2024	0.0756		0.0473	0.039		0.0218	0.048	0.0355	0.0585
8/22/2024									

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997					
6/30/1998					
12/2/1998					
6/8/1999					
12/7/1999					
6/15/2000					
12/12/2000					
12/5/2001					
6/26/2002					
12/3/2002					
6/11/2003					
12/10/2003					
6/15/2004					
12/14/2004					
6/2/2005					
12/14/2005					
4/5/2006					
10/30/2006					
5/10/2007					
11/17/2007					
5/2/2008					
5/3/2008					
10/22/2008					
5/5/2009					
5/6/2009					
5/7/2009					
5/12/2009			0.16 (o)		
5/13/2009	0.15 (o)	0.14 (o)			
5/14/2009					
12/1/2009					
12/3/2009	0.03	0.032			
12/4/2009					
12/5/2009			0.062		
5/25/2010					
5/26/2010	0.029	0.031	0.065		
6/1/2010					
6/2/2010				0.046	
11/9/2010	0.029	0.03	0.065		
11/10/2010				0.057	
5/18/2011					
5/19/2011	0.027	0.028		0.048	
5/24/2011			0.062		
5/25/2011					
11/9/2011				0.045	
11/10/2011					
11/11/2011	0.031	0.032			
11/12/2011			0.067		
5/17/2012	0.0299	0.0319			
5/18/2012					
5/30/2012			0.0767	0.0519	
5/31/2012					
11/9/2012	0.03	0.036	0.093		

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
11/10/2012					
11/11/2012				0.051	
5/7/2013	0.028	0.035			
5/8/2013					
5/9/2013				0.056	
5/13/2013			0.093		
11/5/2013					
11/6/2013	0.033	0.043	0.068		
11/11/2013				0.041	
11/12/2013					
5/20/2014	0.029				
5/21/2014		0.042	0.072		
5/28/2014					
5/29/2014				0.051	
11/17/2014			0.05		
11/18/2014	0.029	0.044			
11/19/2014				0.051	
11/20/2014					
4/7/2015	0.028	0.043	0.055		
4/14/2015				0.043	
4/15/2015					
10/28/2015	0.029	0.045	0.054		
10/29/2015					
11/3/2015					
11/4/2015				0.042	
6/23/2016	0.028	0.043		0.084	
6/24/2016			0.056		
8/30/2016					
8/31/2016		0.042		0.076	
9/1/2016	0.027		0.051		
9/2/2016					
10/24/2016					
10/25/2016	0.0296	0.0455	0.0637	0.039	
10/26/2016					
1/23/2017				0.044	
1/24/2017					
1/26/2017		0.048	0.055		
1/27/2017	0.035				
4/11/2017			0.055	0.038	
4/12/2017	0.031	0.045			
6/20/2017				0.057	
6/21/2017			0.054		
6/22/2017	0.035	0.055			
10/25/2017		0.049		0.05	
10/26/2017	0.032		0.046		
4/9/2018				0.049	
4/10/2018			0.056		
4/11/2018	0.034	0.052			
10/16/2018			0.039	0.06	
10/17/2018	0.031	0.046			
3/26/2019					
3/27/2019				0.054	

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
3/28/2019	0.031	0.047	0.054		
8/19/2019					
8/20/2019			0.046		
8/21/2019	0.035	0.045		0.031	
10/7/2019				0.033	
10/8/2019					
10/9/2019	0.031	0.041	0.057		
4/6/2020				0.051	
4/7/2020					
4/8/2020	0.031		0.042		
4/9/2020		0.044			
8/18/2020					
8/19/2020	0.034	0.046	0.045	0.041	
8/20/2020					
9/29/2020			0.042	0.062	
9/30/2020					
10/1/2020	0.032	0.045			
12/1/2020					0.038
2/9/2021	0.031		0.044		0.036
2/10/2021		0.038			
2/11/2021				0.066	
9/7/2021					
9/8/2021			0.035	0.037	0.039
9/9/2021		0.038			
9/10/2021	0.031				
2/1/2022					0.04
2/2/2022	0.034	0.04		0.062	
2/3/2022			0.047		
8/30/2022					
8/31/2022	0.0345	0.0391	0.0383	0.074	0.0412
9/2/2022					
2/2/2023	0.034	0.0391	0.0468		0.0392
2/3/2023					
2/7/2023				0.0376	
8/9/2023	0.0363				0.039
8/10/2023		0.0401	0.0381	0.0465	
1/24/2024				0.093	0.0369
1/25/2024	0.0373	0.0414	0.0476		
8/20/2024					0.0344
8/21/2024	0.0328	0.0363	0.0349		
8/22/2024				0.0563	

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997	<0.001	0.103 (o)							
6/30/1998	<0.001	0.007 (o)							
12/2/1998	<0.001	0.007 (o)							
6/8/1999	<0.001	<0.001							
12/7/1999	<0.001	<0.001							
6/15/2000	<0.001	<0.001							
12/12/2000	<0.001	<0.001							
12/5/2001	<0.001	0.002							
6/26/2002	<0.001	0.003							
12/3/2002	<0.001	<0.001							
6/11/2003	<0.001	0.0043							
12/10/2003	<0.001	<0.001							
6/15/2004	<0.001	<0.001							
12/14/2004	0.0012	<0.001							
6/2/2005	<0.001	<0.001							
12/14/2005	<0.001	<0.001							
4/5/2006	<0.001	<0.001							
10/30/2006	<0.001	<0.001							
5/10/2007	<0.001	<0.001							
11/17/2007	<0.001	<0.001							
5/3/2008	<0.001	0.00033							
10/22/2008	<0.001	<0.001							
5/5/2009			<0.001						
5/6/2009	<0.001			<0.001					
5/7/2009		<0.001			<0.001				
5/12/2009						<0.001	<0.001		
12/1/2009	<0.001								
12/3/2009				<0.001	<0.001				
12/4/2009		<0.001	<0.001				<0.001		
12/5/2009						<0.001			
5/25/2010	<0.001			<0.001	<0.001		<0.001		
5/26/2010						<0.001			
6/1/2010		<0.001	<0.001						
6/2/2010								<0.001	
11/9/2010	<0.001			<0.001		<0.001	<0.001		
11/10/2010		<0.001	<0.001		<0.001			<0.001	
5/19/2011								<0.001	
5/24/2011	<0.001			<0.001		<0.001	<0.001		
5/25/2011		<0.001	<0.001		<0.001				
11/9/2011			<0.001					<0.001	
11/10/2011	<0.001			<0.001	<0.001				
11/12/2011		<0.001				<0.001	<0.001		
5/18/2012	<0.001			<0.001					
5/30/2012					<0.001	<0.001	<0.001	<0.001	
5/31/2012		<0.001	<0.001						
11/9/2012	<0.001			<0.001	<0.001	<0.001	0.0015		
11/10/2012			<0.001						
11/11/2012		<0.001						<0.001	
5/8/2013	<0.001			<0.001			<0.001		
5/9/2013					<0.001			<0.001	
5/13/2013		<0.001	<0.001			<0.001			
11/6/2013	<0.001			<0.001		<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWA-14 (bg)	ARGWA-24 (bg)
11/11/2013					<0.001			<0.001	
11/12/2013		<0.001	<0.001						
5/20/2014	<0.001			<0.001			<0.001		
5/21/2014					<0.001	<0.001			
5/28/2014			0						
5/29/2014		<0.001						<0.001	
11/17/2014	<0.001					<0.001	<0.001		
11/18/2014				<0.001	<0.001				
11/19/2014								<0.001	
11/20/2014			<0.001						
4/7/2015	<0.001				<0.001	<0.001	<0.001		
4/14/2015		<0.001	<0.001	0.00026				<0.001	
10/28/2015	<0.001				<0.001	<0.001	<0.001		
10/29/2015				<0.001					
11/3/2015		<0.001	<0.001						
11/4/2015								<0.001	
6/23/2016	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	
6/24/2016						<0.001	<0.001		
8/30/2016	<0.001			<0.001					
8/31/2016		<0.001			<0.001			0.00039 (J)	
9/1/2016						<0.001	<0.001		
9/2/2016			<0.001						
10/24/2016				<0.001					
10/25/2016	<0.001	<0.001			<0.001	0.0001 (J)	0.0001 (J)	<0.001	
10/26/2016			<0.001						
1/23/2017				<0.001				<0.001	
1/24/2017	<0.001	<0.001			<0.001				
1/26/2017			<0.001			<0.001	<0.001		
4/11/2017	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	
4/12/2017			<0.001						
6/20/2017	<0.001	<0.001						<0.001	
6/21/2017			<0.001	<0.001	<0.001	<0.001	<0.001		
10/25/2017	<0.001	<0.001		<0.001	<0.001			<0.001	
10/26/2017			<0.001			<0.001	<0.001		
4/9/2018					<0.001			0.00052 (J)	
4/10/2018	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		
10/16/2018	<0.001	<0.001		<0.001	<0.001	<0.001		0.00071 (J)	
10/17/2018			<0.001				<0.001		
3/26/2019					<0.001				
3/27/2019	<0.001	<0.001	<0.001	<0.001				<0.001	
3/28/2019						<0.001	<0.001		
8/19/2019					<0.001				
8/20/2019	<0.001	0.00014 (J)		<0.001		<0.001			
8/21/2019			<0.001				0.00013 (J)	0.00015 (J)	
10/7/2019								<0.001	
10/8/2019	<0.001	<0.001	<0.001	<0.001	<0.001				
10/9/2019						<0.001	0.00018 (J)		
4/6/2020								<0.001	
4/7/2020	<0.001	<0.001		<0.001	<0.001				
4/8/2020			<0.001			<0.001	<0.001		
8/18/2020	<0.001	<0.001		<0.001	<0.001		<0.001		
8/19/2020			<0.001			<0.001		<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWA-14 (bg)	ARGWA-24 (bg)
12/1/2020									<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
2/11/2021								<0.001	
9/7/2021				<0.001	<0.001				
9/8/2021	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
2/1/2022	<0.001	<0.001		<0.001	<0.001				<0.001
2/2/2022							0.0003 (J)	<0.001	
2/3/2022			<0.001			<0.001			
8/30/2022	<0.001			<0.001					
8/31/2022		<0.001	<0.001		<0.001	<0.001		<0.001	<0.001
9/2/2022							<0.001		
2/2/2023				<0.001		<0.001			<0.001
2/3/2023	<0.001	<0.001	<0.001		<0.001		<0.001		
2/7/2023								<0.001	
8/9/2023		<0.001		<0.001	<0.001		0.000445 (J)		<0.001
8/10/2023	<0.001		<0.001			<0.001		<0.001	
1/24/2024	<0.001	<0.001						<0.001	<0.001
1/25/2024			<0.001	<0.001	<0.001	<0.001	<0.001		
8/20/2024		<0.001		<0.001					<0.001
8/21/2024	<0.001		<0.001		<0.001	<0.001	<0.001		
8/22/2024								<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWC-18
12/16/1997	<0.002	0.162 (o)							
6/30/1998	<0.002	0.013							
12/2/1998	0.002	0.01							
6/8/1999	<0.002	0.004							
12/7/1999	<0.002	0.004							
6/15/2000	<0.002	0.004							
12/12/2000	<0.002	0.00378							
12/5/2001	<0.002	0.003							
6/26/2002	0.00539	0.00815							
12/3/2002	<0.002	0.008							
6/11/2003	<0.002	<0.002							
12/10/2003	<0.002	<0.002							
6/15/2004	<0.002	<0.002							
12/14/2004	0.013 (o)	<0.002							
6/2/2005	<0.002	<0.002							
12/14/2005	<0.002	<0.002	<0.002						
4/5/2006	<0.002	<0.002	<0.002						
10/30/2006	<0.002	<0.002	<0.002						
5/10/2007	<0.002	<0.002	0.0032						
11/17/2007	<0.002	<0.002	<0.002						
5/2/2008			0.008 (o)						
5/3/2008	<0.002	<0.002							
10/22/2008	<0.002	<0.002	<0.002						
5/5/2009				<0.002					
5/6/2009	<0.002				<0.002				
5/7/2009		<0.002				<0.002			
5/12/2009							<0.002	<0.002	<0.002
5/13/2009									
5/14/2009			0.00083						
12/1/2009	<0.002		<0.002						
12/3/2009					<0.002	<0.002			
12/4/2009		<0.002		<0.002				<0.002	<0.002
12/5/2009							<0.002		
5/25/2010	<0.002				<0.002	<0.002		<0.002	<0.002
5/26/2010			<0.002				<0.002		
6/1/2010		<0.002		<0.002					
6/2/2010									
11/9/2010	<0.002				<0.002		<0.002	<0.002	
11/10/2010		<0.002	<0.002	<0.002		<0.002			<0.002
5/18/2011									
5/19/2011									<0.002
5/24/2011	<0.002				<0.002		<0.002	<0.002	
5/25/2011		<0.002	<0.002	<0.002		<0.002			
11/9/2011				<0.002					
11/10/2011	<0.002				<0.002	<0.002			
11/11/2011			<0.002						
11/12/2011		<0.002					<0.002	<0.002	<0.002
5/17/2012			<0.002						<0.002
5/18/2012	<0.002				<0.002				
5/30/2012						<0.002	<0.002	<0.002	
5/31/2012		0.0005 (J)		0.0008 (J)					
11/9/2012	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWC-18
11/10/2012				<0.002					<0.002
11/11/2012		<0.002							
5/7/2013									<0.002
5/8/2013	<0.002		<0.002		<0.002			<0.002	
5/9/2013						<0.002			
5/13/2013		<0.002		0.025 (o)			<0.002		
11/5/2013			<0.002						<0.002
11/6/2013	<0.002				<0.002		<0.002	<0.002	
11/11/2013						<0.002			
11/12/2013		<0.002		<0.002					
5/20/2014	<0.002				<0.002			<0.002	
5/21/2014			<0.002			<0.002	<0.002		
5/28/2014				<0.002					<0.002
5/29/2014		<0.002							
11/17/2014	<0.002		<0.002				<0.002	<0.002	
11/18/2014					<0.002	<0.002			
11/19/2014									<0.002
11/20/2014				<0.002					
4/7/2015	<0.002		<0.002			<0.002	<0.002	<0.002	
4/14/2015		<0.002		<0.002	<0.002				
4/15/2015									<0.002
10/28/2015	<0.002		<0.002			<0.002	<0.002	<0.002	
10/29/2015					<0.002				<0.002
11/3/2015		<0.002		<0.002					
11/4/2015									
6/23/2016	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
6/24/2016							<0.002	<0.002	<0.002
8/30/2016	<0.002				<0.002				
8/31/2016		<0.002	<0.002			<0.002			
9/1/2016							<0.002	<0.002	<0.002
9/2/2016				0.0056					
10/24/2016					0.0002 (J)				
10/25/2016	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	
10/26/2016				0.0003 (J)					0.0002 (J)
1/23/2017					<0.002				
1/24/2017	<0.002	<0.002				<0.002			
1/26/2017			<0.002	<0.002			<0.002	<0.002	
1/27/2017									<0.002
4/11/2017	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002	
4/12/2017			<0.002	<0.002					<0.002
6/20/2017	<0.002	<0.002							
6/21/2017				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
6/22/2017			<0.002						
10/25/2017	<0.002	<0.002	<0.002		<0.002	<0.002			<0.002
10/26/2017				<0.002			<0.002	<0.002	
4/9/2018						<0.002			
4/10/2018	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	
4/11/2018									<0.002
10/16/2018	<0.002	<0.002			<0.002	<0.002	<0.002		
10/17/2018			<0.002	0.0016				<0.002	<0.002
3/26/2019						<0.002			
3/27/2019	<0.002	<0.002		<0.002	<0.002				<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWC-18
3/28/2019			<0.002				<0.002	<0.002	
8/19/2019						<0.002			
8/20/2019	0.00014 (J)	0.00014 (J)			<0.002		<0.002		
8/21/2019			<0.002	<0.002				<0.002	<0.002
10/7/2019									
10/8/2019	0.00016 (J)	0.001		<0.002	<0.002	0.00013 (J)			
10/9/2019			<0.002				<0.002	<0.002	<0.002
4/6/2020									
4/7/2020	<0.002	<0.002			<0.002	<0.002			
4/8/2020			<0.002	<0.002			<0.002	<0.002	
4/9/2020									<0.002
8/18/2020	0.00013 (J)	0.00019 (J)	<0.002		<0.002	<0.002		<0.002	
8/19/2020				<0.002			<0.002		
8/20/2020									0.00028 (J)
9/29/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
9/30/2020									0.0002 (J)
10/1/2020									
12/1/2020									
2/9/2021	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	
2/10/2021			<0.002						<0.002
2/11/2021									
9/7/2021					<0.002	<0.002			
9/8/2021	<0.002	<0.002		0.0016			<0.002	0.00022 (J)	
9/9/2021									0.00031 (J)
9/10/2021			<0.002						
2/1/2022	<0.002	<0.002			<0.002	<0.002			
2/2/2022								<0.002	
2/3/2022			<0.002	<0.002			0.00021 (J)		<0.002
8/30/2022	<0.002				<0.002				
8/31/2022		<0.002	<0.002	<0.002		<0.002	<0.002		
9/2/2022								<0.002	<0.002
2/2/2023			<0.002		<0.002		<0.002		<0.002
2/3/2023	<0.002	<0.002		<0.002		<0.002		<0.002	
2/7/2023									
8/9/2023		<0.002			<0.002	<0.002		<0.002	
8/10/2023	<0.002		<0.002	0.000841 (J)			<0.002		<0.002
1/24/2024	<0.002	<0.002							
1/25/2024			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/20/2024		<0.002			<0.002				
8/21/2024	<0.002		<0.002	0.000948 (J)		<0.002	<0.002	<0.002	<0.002
8/22/2024									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997					
6/30/1998					
12/2/1998					
6/8/1999					
12/7/1999					
6/15/2000					
12/12/2000					
12/5/2001					
6/26/2002					
12/3/2002					
6/11/2003					
12/10/2003					
6/15/2004					
12/14/2004					
6/2/2005					
12/14/2005					
4/5/2006					
10/30/2006					
5/10/2007					
11/17/2007					
5/2/2008					
5/3/2008					
10/22/2008					
5/5/2009					
5/6/2009					
5/7/2009					
5/12/2009					
5/13/2009	<0.002	<0.002			
5/14/2009			<0.002		
12/1/2009					
12/3/2009	<0.002	<0.002	<0.002		
12/4/2009					
12/5/2009					
5/25/2010					
5/26/2010	<0.002	<0.002	<0.002		
6/1/2010					
6/2/2010				<0.002	
11/9/2010	<0.002	<0.002	<0.002		
11/10/2010				<0.002	
5/18/2011			<0.002		
5/19/2011	<0.002	<0.002		<0.002	
5/24/2011					
5/25/2011					
11/9/2011				<0.002	
11/10/2011					
11/11/2011	<0.002	<0.002	<0.002		
11/12/2011					
5/17/2012	<0.002	<0.002	<0.002		
5/18/2012					
5/30/2012				<0.002	
5/31/2012					
11/9/2012	<0.002	<0.002	<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
11/10/2012					
11/11/2012				<0.002	
5/7/2013	<0.002	<0.002	<0.002		
5/8/2013					
5/9/2013				<0.002	
5/13/2013					
11/5/2013			<0.002		
11/6/2013	<0.002	<0.002			
11/11/2013				<0.002	
11/12/2013					
5/20/2014		<0.002			
5/21/2014	<0.002		<0.002		
5/28/2014					
5/29/2014				<0.002	
11/17/2014					
11/18/2014	<0.002	<0.002	<0.002		
11/19/2014				<0.002	
11/20/2014					
4/7/2015	<0.002	<0.002	<0.002		
4/14/2015				<0.002	
4/15/2015					
10/28/2015	<0.002	<0.002	<0.002		
10/29/2015					
11/3/2015					
11/4/2015				<0.002	
6/23/2016	<0.002	<0.002	<0.002	<0.002	
6/24/2016					
8/30/2016					
8/31/2016	<0.002		<0.002	<0.002	
9/1/2016		<0.002			
9/2/2016					
10/24/2016					
10/25/2016	<0.002	<0.002		<0.002	
10/26/2016			<0.002		
1/23/2017				0.0013	
1/24/2017					
1/26/2017	<0.002		<0.002		
1/27/2017		<0.002			
4/11/2017				<0.002	
4/12/2017	<0.002	<0.002	<0.002		
6/20/2017				<0.002	
6/21/2017			<0.002		
6/22/2017	<0.002	<0.002			
10/25/2017	<0.002			<0.002	
10/26/2017		<0.002	<0.002		
4/9/2018				<0.002	
4/10/2018					
4/11/2018	<0.002	<0.002	<0.002		
10/16/2018				<0.002	
10/17/2018	<0.002	<0.002	<0.002		
3/26/2019					
3/27/2019				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
3/28/2019	<0.002	<0.002	<0.002		
8/19/2019					
8/20/2019					
8/21/2019	<0.002	<0.002	<0.002	0.00019 (J)	
10/7/2019				<0.002	
10/8/2019					
10/9/2019	0.00016 (J)	<0.002	0.00019 (J)		
4/6/2020				<0.002	
4/7/2020					
4/8/2020		0.031			
4/9/2020	<0.002		<0.002		
8/18/2020					
8/19/2020	<0.002	0.00013 (J)		<0.002	
8/20/2020			<0.002		
9/29/2020				<0.002	
9/30/2020					
10/1/2020	<0.002	<0.002	<0.002		
12/1/2020					<0.002
2/9/2021		<0.002			<0.002
2/10/2021	<0.002		<0.002		
2/11/2021				<0.002	
9/7/2021					
9/8/2021				<0.002	<0.002
9/9/2021	<0.002		<0.002		
9/10/2021		<0.002			
2/1/2022					<0.002
2/2/2022	<0.002	<0.002	0.00024 (J)	<0.002	
2/3/2022					
8/30/2022					
8/31/2022	<0.002	<0.002	<0.002	<0.002	<0.002
9/2/2022					
2/2/2023	<0.002	<0.002	<0.002		<0.002
2/3/2023					
2/7/2023				<0.002	
8/9/2023		<0.002			<0.002
8/10/2023	<0.002		<0.002	<0.002	
1/24/2024				<0.002	<0.002
1/25/2024	<0.002	<0.002	<0.002		
8/20/2024					<0.002
8/21/2024	<0.002	<0.002	<0.002		
8/22/2024				<0.002	

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
12/16/1997	<0.005	<0.005							
6/30/1998	<0.005	<0.005							
12/2/1998	<0.005	<0.005							
6/8/1999	<0.005	<0.005							
12/7/1999	<0.005	<0.005							
6/15/2000	<0.005	<0.005							
12/12/2000	<0.005	<0.005							
12/5/2001	<0.005	<0.005							
6/26/2002	<0.005	<0.005							
12/3/2002	<0.005	<0.005							
6/11/2003	<0.005	<0.005							
12/10/2003	<0.005	<0.005							
6/15/2004	<0.005	<0.005							
12/14/2004	<0.005	<0.005							
6/2/2005	<0.005	<0.005							
12/14/2005	<0.005	<0.005	<0.005						
4/5/2006	<0.005	<0.005	<0.005						
10/30/2006	<0.005	<0.005	<0.005						
5/10/2007	<0.005	<0.005	<0.005						
11/17/2007	<0.005	<0.005	<0.005						
5/2/2008			<0.005						
5/3/2008	<0.005	<0.005							
10/22/2008	<0.005	<0.005	<0.005						
5/5/2009				0.0041					
5/6/2009		0.0047			0.0054				
5/7/2009	0.0049					0.0059			
5/12/2009							0.0059	0.0062	0.0039
5/13/2009									
5/14/2009			0.0046						
12/1/2009		0.0046	0.0019						
12/3/2009					0.006	0.0057			
12/4/2009	<0.005			<0.005			<0.005		<0.005
12/5/2009								<0.005	
5/25/2010		<0.005			<0.005	<0.005	<0.005		<0.005
5/26/2010			<0.005					<0.005	
6/1/2010	<0.005			<0.005					
6/2/2010									
11/9/2010		<0.005			<0.005		<0.005	<0.005	
11/10/2010	<0.005		<0.005	<0.005		<0.005			<0.005
5/18/2011									
5/19/2011									<0.005
5/24/2011		<0.005			<0.005		<0.005	<0.005	
5/25/2011	<0.005		<0.005	<0.005		<0.005			
11/9/2011				<0.005					
11/10/2011		<0.005			<0.005	<0.005			
11/11/2011			<0.005						
11/12/2011	<0.005						<0.005	<0.005	<0.005
5/17/2012			<0.005						0.0006 (J)
5/18/2012		<0.005			<0.005				
5/30/2012						<0.005	<0.005	0.0016 (J)	
5/31/2012	<0.005			<0.005					
11/9/2012		<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
11/10/2012				<0.005					<0.005
11/11/2012	<0.005								
5/7/2013									<0.005
5/8/2013		<0.005	<0.005		<0.005		<0.005		
5/9/2013						<0.005			
5/13/2013	<0.005			<0.005				<0.005	
11/5/2013			<0.005						<0.005
11/6/2013		<0.005			<0.005		<0.005	<0.005	
11/11/2013						<0.005			
11/12/2013	<0.005			<0.005					
5/20/2014		<0.005			<0.005		<0.005		
5/21/2014			<0.005			<0.005		<0.005	
5/28/2014				<0.005					<0.005
5/29/2014	<0.005								
11/17/2014		<0.005	<0.005				<0.005	<0.005	
11/18/2014					<0.005	0.0083			
11/19/2014									<0.005
11/20/2014				<0.005					
4/7/2015		<0.005	<0.005			<0.005	<0.005	<0.005	
4/14/2015	<0.005			<0.005	<0.005				
4/15/2015									<0.005
10/28/2015		<0.005	<0.005			0.023	<0.005	<0.005	
10/29/2015					<0.005				<0.005
11/3/2015	<0.005			<0.005					
11/4/2015									
6/23/2016	<0.005	<0.005	0.00029 (J)	<0.005	<0.005	0.0096			
6/24/2016							<0.005	0.0014	<0.005
8/30/2016		<0.005			<0.005				
8/31/2016	<0.005		<0.005			0.017			
9/1/2016							<0.005	0.0014	<0.005
9/2/2016				0.0005 (J)					
10/24/2016					<0.005				
10/25/2016	<0.005	<0.005	<0.005			0.0257	<0.005	0.0015 (J)	
10/26/2016				<0.005					<0.005
1/23/2017					<0.005				
1/24/2017	<0.005	<0.005				0.0097			
1/26/2017			<0.005	<0.005			<0.005	0.00071 (J)	
1/27/2017									<0.005
4/11/2017	<0.005	<0.005			<0.005	0.0079	<0.005	0.0011 (J)	
4/12/2017			<0.005	<0.005					<0.005
6/20/2017	<0.005	<0.005							
6/21/2017				<0.005	0.00025 (J)	0.019	<0.005	0.00075 (J)	<0.005
6/22/2017			<0.005						
10/25/2017	0.00032 (J)	0.00027 (J)	<0.005		0.00027 (J)	0.022			<0.005
10/26/2017				0.0004 (J)			<0.005	0.0012 (J)	
4/9/2018						0.0063			
4/10/2018	<0.005	<0.005	<0.005	0.00044 (J)	0.00033 (J)		<0.005	0.0013	
4/11/2018									<0.005
10/16/2018	<0.005	<0.005			<0.005	0.021		0.00072 (J)	
10/17/2018			<0.005	<0.005			<0.005		<0.005
3/26/2019						0.015			
3/27/2019	<0.005	<0.005		<0.005	<0.005				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
3/28/2019			<0.005				<0.005	0.0017	
8/19/2019						0.034			
8/20/2019	<0.005	<0.005			<0.005			<0.005	
8/21/2019			<0.005	<0.005			<0.005		<0.005
10/7/2019									
10/8/2019	<0.005	<0.005		<0.005	<0.005	0.03			
10/9/2019			<0.005				<0.005	0.0018 (J)	<0.005
4/6/2020									
4/7/2020	<0.005	<0.005			<0.005	0.0094			
4/8/2020			<0.005	<0.005			<0.005	0.0022 (J)	
4/9/2020									<0.005
8/18/2020	<0.005	<0.005	<0.005		<0.005	0.019	<0.005		
8/19/2020				<0.005				0.0029 (J)	
8/20/2020									<0.005
9/29/2020	<0.005	<0.005	<0.005	<0.005	<0.005	0.021	<0.005	0.0025 (J)	
9/30/2020									<0.005
10/1/2020									
12/1/2020									
2/9/2021	<0.005	<0.005		<0.005	<0.005	0.019	<0.005	0.0019 (J)	
2/10/2021			<0.005						<0.005
2/11/2021									
9/7/2021					<0.005	0.032			
9/8/2021	<0.005	<0.005		<0.005			<0.005	0.0024 (J)	
9/9/2021									<0.005
9/10/2021			0.0028 (J)						
2/1/2022	<0.005	<0.005			<0.005	0.013			
2/2/2022							0.00076 (J)		
2/3/2022			<0.005	<0.005				0.0032 (J)	<0.005
8/30/2022		<0.005			<0.005				
8/31/2022	<0.005		<0.005	<0.005		0.0259		0.00287 (J)	
9/2/2022							<0.005		<0.005
2/2/2023			<0.005		<0.005			0.00466 (J)	<0.005
2/3/2023	<0.005	<0.005		<0.005		0.00739	<0.005		
2/7/2023									
8/9/2023	<0.005				<0.005	0.0279	0.00231 (J)		
8/10/2023		<0.005	<0.005	<0.005				0.00421 (J)	<0.005
1/24/2024	<0.005	<0.005							
1/25/2024			<0.005	<0.005	<0.005	0.0173	<0.005	0.00555	<0.005
8/20/2024	<0.005				<0.005				
8/21/2024		<0.005	<0.005	<0.005		0.0209	<0.005	0.00497 (J)	<0.005
8/22/2024									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997					
6/30/1998					
12/2/1998					
6/8/1999					
12/7/1999					
6/15/2000					
12/12/2000					
12/5/2001					
6/26/2002					
12/3/2002					
6/11/2003					
12/10/2003					
6/15/2004					
12/14/2004					
6/2/2005					
12/14/2005					
4/5/2006					
10/30/2006					
5/10/2007					
11/17/2007					
5/2/2008					
5/3/2008					
10/22/2008					
5/5/2009					
5/6/2009					
5/7/2009					
5/12/2009					
5/13/2009	0.005	0.0049			
5/14/2009			0.0035		
12/1/2009					
12/3/2009	0.0057	0.0045	<0.005		
12/4/2009					
12/5/2009					
5/25/2010					
5/26/2010	<0.005	<0.005	<0.005		
6/1/2010					
6/2/2010				<0.005	
11/9/2010	<0.005	<0.005	<0.005		
11/10/2010				<0.005	
5/18/2011			<0.005		
5/19/2011	<0.005	<0.005		<0.005	
5/24/2011					
5/25/2011					
11/9/2011				<0.005	
11/10/2011					
11/11/2011	<0.005	<0.005	<0.005		
11/12/2011					
5/17/2012	<0.005	<0.005	<0.005		
5/18/2012					
5/30/2012				<0.005	
5/31/2012					
11/9/2012	<0.005	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
11/10/2012					
11/11/2012				<0.005	
5/7/2013	<0.005	<0.005	<0.005		
5/8/2013					
5/9/2013				<0.005	
5/13/2013					
11/5/2013			<0.005		
11/6/2013	<0.005	<0.005			
11/11/2013				<0.005	
11/12/2013					
5/20/2014	<0.005				
5/21/2014		<0.005	<0.005		
5/28/2014					
5/29/2014				<0.005	
11/17/2014					
11/18/2014	<0.005	<0.005	<0.005		
11/19/2014				<0.005	
11/20/2014					
4/7/2015	<0.005	<0.005	<0.005		
4/14/2015				<0.005	
4/15/2015					
10/28/2015	<0.005	<0.005	<0.005		
10/29/2015					
11/3/2015					
11/4/2015				<0.005	
6/23/2016	<0.005	<0.005	<0.005	<0.005	
6/24/2016					
8/30/2016					
8/31/2016		0.00024 (J)	<0.005	0.00077 (J)	
9/1/2016	<0.005				
9/2/2016					
10/24/2016					
10/25/2016	<0.005	<0.005		<0.005	
10/26/2016			<0.005		
1/23/2017				0.00037 (J)	
1/24/2017					
1/26/2017		<0.005	<0.005		
1/27/2017	<0.005				
4/11/2017				<0.005	
4/12/2017	<0.005	<0.005	<0.005		
6/20/2017				0.00044 (J)	
6/21/2017			<0.005		
6/22/2017	<0.005	<0.005			
10/25/2017		0.00029 (J)		0.00038 (J)	
10/26/2017	<0.005		<0.005		
4/9/2018				<0.005	
4/10/2018					
4/11/2018	<0.005	<0.005	<0.005		
10/16/2018				<0.005	
10/17/2018	<0.005	<0.005	<0.005		
3/26/2019					
3/27/2019				<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
3/28/2019	<0.005	<0.005	<0.005		
8/19/2019					
8/20/2019					
8/21/2019	<0.005	<0.005	<0.005	<0.005	
10/7/2019				<0.005	
10/8/2019					
10/9/2019	<0.005	<0.005	<0.005		
4/6/2020				<0.005	
4/7/2020					
4/8/2020	<0.005				
4/9/2020		<0.005	<0.005		
8/18/2020					
8/19/2020	<0.005	<0.005		<0.005	
8/20/2020			<0.005		
9/29/2020				<0.005	
9/30/2020					
10/1/2020	<0.005	<0.005	<0.005		
12/1/2020					<0.005
2/9/2021	<0.005				<0.005
2/10/2021		<0.005	<0.005		
2/11/2021				<0.005	
9/7/2021					
9/8/2021				<0.005	<0.005
9/9/2021		<0.005	<0.005		
9/10/2021	0.0017 (J)				
2/1/2022					<0.005
2/2/2022	<0.005	<0.005	<0.005	<0.005	
2/3/2022					
8/30/2022					
8/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005
9/2/2022					
2/2/2023	<0.005	<0.005	<0.005		<0.005
2/3/2023					
2/7/2023				<0.005	
8/9/2023	<0.005				<0.005
8/10/2023		<0.005	<0.005	<0.005	
1/24/2024				<0.005	<0.005
1/25/2024	<0.005	<0.005	<0.005		
8/20/2024					<0.005
8/21/2024	<0.005	<0.005	<0.005		
8/22/2024				<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-16
12/16/1997	<0.001	0.035 (o)							
6/30/1998	<0.001	<0.001							
12/2/1998	<0.001	<0.001							
6/8/1999	<0.001	<0.001							
12/7/1999	<0.001	<0.001							
6/15/2000	<0.001	<0.001							
12/12/2000	<0.001	0.0051							
12/5/2001	<0.001	<0.001							
6/26/2002	<0.001	<0.001							
12/3/2002	<0.001	<0.001							
6/11/2003	<0.001	<0.001							
12/10/2003	0.002 (o)	0.003							
6/15/2004	<0.001	<0.001							
12/14/2004	<0.001	<0.001							
6/2/2005	<0.001	<0.001							
12/14/2005	<0.001	<0.001	<0.001						
4/5/2006	<0.001	<0.001	<0.001						
10/30/2006	<0.001	0.002	<0.001						
5/10/2007	<0.001	0.0017	0.0011						
11/17/2007	<0.001	<0.001	<0.001						
5/2/2008			<0.001						
5/3/2008	<0.001	<0.001							
10/22/2008	<0.001	<0.001	<0.001						
5/5/2009				<0.001					
5/6/2009	<0.001				<0.001				
5/7/2009		<0.001				<0.001			
5/12/2009							0.0011	<0.001	0.0011
5/13/2009									
5/14/2009			<0.001						
12/1/2009	<0.001		<0.001						
12/3/2009					<0.001	<0.001			
12/4/2009		<0.001		0.00098			0.0014	0.0008	
12/5/2009									0.0004
5/25/2010	<0.001				<0.001	<0.001	<0.001	<0.001	
5/26/2010			<0.001						<0.001
6/1/2010		<0.001		<0.001					
6/2/2010									
11/9/2010	<0.001				<0.001		<0.001		<0.001
11/10/2010		<0.001	<0.001	<0.001		<0.001		<0.001	
5/19/2011								<0.001	
5/24/2011	<0.001				<0.001		<0.001		<0.001
5/25/2011		<0.001	<0.001	<0.001		<0.001			
5/17/2012			<0.001					<0.001	
5/18/2012	<0.001				0.0001 (J)				
5/30/2012						<0.001	<0.001		<0.001
5/31/2012		<0.001		<0.001					
11/9/2012	<0.001		<0.001		<0.001	<0.001	<0.001		<0.001
11/10/2012				<0.001				<0.001	
11/11/2012		<0.001							
5/7/2013								<0.001	
5/8/2013	<0.001		<0.001		<0.001		<0.001		
5/9/2013						<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-16
5/13/2013		<0.001		<0.001					<0.001
11/5/2013			<0.001					<0.001	
11/6/2013	<0.001				<0.001		<0.001		<0.001
11/11/2013						<0.001			
11/12/2013		<0.001		<0.001					
5/20/2014	<0.001				<0.001		<0.001		
5/21/2014			<0.001			<0.001			<0.001
5/28/2014				<0.001				<0.001	
5/29/2014		<0.001							
11/17/2014	<0.001		<0.001				<0.001		<0.001
11/18/2014					<0.001	<0.001			
11/19/2014								<0.001	
11/20/2014				<0.001					
4/7/2015	<0.001		<0.001			<0.001	<0.001		<0.001
4/14/2015		<0.001		<0.001	<0.001				
4/15/2015								<0.001	
10/28/2015	<0.001		<0.001			<0.001	<0.001		<0.001
10/29/2015					<0.001			<0.001	
11/3/2015		<0.001		<0.001					
11/4/2015									
6/23/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
6/24/2016							<0.001	<0.001	<0.001
10/24/2016					<0.001				
10/25/2016	<0.001	<0.001	<0.001			<0.001	<0.001		<0.001
10/26/2016				<0.001				<0.001	
4/11/2017	<0.001	<0.001			<0.001	<0.001	<0.001		<0.001
4/12/2017			<0.001	<0.001				<0.001	
10/25/2017	<0.001	<0.001	<0.001		<0.001	0.00013 (J)		<0.001	
10/26/2017				0.00037 (J)			<0.001		0.00026 (J)
4/9/2018						<0.001			
4/10/2018	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		<0.001
4/11/2018								<0.001	
10/16/2018	<0.001	<0.001			<0.001	<0.001			<0.001
10/17/2018			<0.001	<0.001			<0.001	<0.001	
3/26/2019						<0.001			
3/27/2019	<0.001	<0.001		<0.001	<0.001			<0.001	
3/28/2019			<0.001				<0.001		<0.001
10/7/2019									
10/8/2019	0.0003 (J)	0.00019 (J)		0.00018 (J)	<0.001	0.00047 (J)			
10/9/2019			<0.001				<0.001	<0.001	<0.001
4/6/2020									
4/7/2020	<0.001	<0.001			<0.001	<0.001			
4/8/2020			<0.001	<0.001			<0.001		<0.001
4/9/2020								<0.001	
9/29/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
9/30/2020								<0.001	
10/1/2020									
12/1/2020									
2/9/2021	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001		<0.001
2/10/2021			<0.001					<0.001	
2/11/2021									
9/7/2021					<0.001	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-16
9/8/2021	<0.001	<0.001		<0.001			<0.001		<0.001
9/9/2021								<0.001	
9/10/2021			<0.001						
2/1/2022	<0.001	<0.001			<0.001	<0.001			
2/2/2022							<0.001		
2/3/2022			<0.001	<0.001				<0.001	<0.001
8/30/2022	<0.001				<0.001				
8/31/2022		<0.001	<0.001	<0.001		<0.001			<0.001
9/2/2022							<0.001	<0.001	
2/2/2023			<0.001		<0.001			<0.001	<0.001
2/3/2023	<0.001	<0.001		<0.001		<0.001	<0.001		
2/7/2023									
8/9/2023		<0.001			<0.001	<0.001	<0.001		
8/10/2023	<0.001		<0.001	<0.001				<0.001	<0.001
1/24/2024	<0.001	<0.001							
1/25/2024			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/20/2024		<0.001			<0.001				
8/21/2024	<0.001		<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
8/22/2024									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997				
6/30/1998				
12/2/1998				
6/8/1999				
12/7/1999				
6/15/2000				
12/12/2000				
12/5/2001				
6/26/2002				
12/3/2002				
6/11/2003				
12/10/2003				
6/15/2004				
12/14/2004				
6/2/2005				
12/14/2005				
4/5/2006				
10/30/2006				
5/10/2007				
11/17/2007				
5/2/2008				
5/3/2008				
10/22/2008				
5/5/2009				
5/6/2009				
5/7/2009				
5/12/2009				
5/13/2009	0.0009	0.0024 (o)		
5/14/2009				
12/1/2009				
12/3/2009	0.00083	0.0007		
12/4/2009				
12/5/2009				
5/25/2010				
5/26/2010	<0.001	<0.001		
6/1/2010				
6/2/2010			<0.001	
11/9/2010	<0.001	<0.001		
11/10/2010			<0.001	
5/19/2011	<0.001	<0.001	<0.001	
5/24/2011				
5/25/2011				
5/17/2012	<0.001	<0.001		
5/18/2012				
5/30/2012			<0.001	
5/31/2012				
11/9/2012	<0.001	<0.001		
11/10/2012				
11/11/2012			<0.001	
5/7/2013	<0.001	<0.001		
5/8/2013				
5/9/2013			<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWA-14 (bg)	ARGWA-24 (bg)
5/13/2013				
11/5/2013				
11/6/2013	<0.001	<0.001		
11/11/2013			<0.001	
11/12/2013				
5/20/2014	<0.001			
5/21/2014		<0.001		
5/28/2014				
5/29/2014			<0.001	
11/17/2014				
11/18/2014	<0.001	<0.001		
11/19/2014			<0.001	
11/20/2014				
4/7/2015	<0.001	<0.001		
4/14/2015			<0.001	
4/15/2015				
10/28/2015	<0.001	<0.001		
10/29/2015				
11/3/2015				
11/4/2015			<0.001	
6/23/2016	<0.001	<0.001	<0.001	
6/24/2016				
10/24/2016				
10/25/2016	<0.001	<0.001	<0.001	
10/26/2016				
4/11/2017			<0.001	
4/12/2017	<0.001	<0.001		
10/25/2017		<0.001	<0.001	
10/26/2017	<0.001			
4/9/2018			<0.001	
4/10/2018				
4/11/2018	<0.001	<0.001		
10/16/2018			<0.001	
10/17/2018	<0.001	<0.001		
3/26/2019				
3/27/2019			<0.001	
3/28/2019	<0.001	<0.001		
10/7/2019			0.00022 (J)	
10/8/2019				
10/9/2019	<0.001	<0.001		
4/6/2020			<0.001	
4/7/2020				
4/8/2020	<0.001			
4/9/2020		<0.001		
9/29/2020			<0.001	
9/30/2020				
10/1/2020	<0.001	<0.001		
12/1/2020				<0.001 (D)
2/9/2021	<0.001			<0.001
2/10/2021		<0.001		
2/11/2021			<0.001	
9/7/2021				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 10/3/2024 11:19 AM View: Appendix I

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWA-14 (bg)	ARGWA-24 (bg)
9/8/2021			<0.001	<0.001
9/9/2021		<0.001		
9/10/2021	<0.001			
2/1/2022				<0.001
2/2/2022	<0.001	<0.001	<0.001	
2/3/2022				
8/30/2022				
8/31/2022	<0.001	<0.001	<0.001	<0.001
9/2/2022				
2/2/2023	<0.001	<0.001		<0.001
2/3/2023				
2/7/2023			<0.001	
8/9/2023	<0.001			<0.001
8/10/2023		<0.001	<0.001	
1/24/2024			<0.001	<0.001
1/25/2024	<0.001	<0.001		
8/20/2024				<0.001
8/21/2024	<0.001	<0.001		
8/22/2024			<0.001	

FIGURE E.

Appendix III Interwell Prediction Limits - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:22 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**ARGWC-18**	**1.11**	**n/a**	**8/21/2024**	**2.47**	**Yes**	**114**	**n/a**	**n/a**	**42.98**	**n/a**	**n/a**	**0.0001522**	**NP Inter (normality) 1 of 2**
pH (SU)	**ARGWC-16**	**7.04**	**5.53**	**8/21/2024**	**5.24**	**Yes**	**123**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.000259**	**NP Inter (normality) 1 of 2**
pH (SU)	**ARGWC-17**	**7.04**	**5.53**	**8/21/2024**	**5.15**	**Yes**	**123**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.000259**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:22 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	ARGWC-10	1.11	n/a	8/21/2024	0.00605J	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-15	1.11	n/a	8/21/2024	0.0103J	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-16	1.11	n/a	8/21/2024	0.449	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-17	1.11	n/a	8/21/2024	0.0575	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	**ARGWC-18**	**1.11**	**n/a**	**8/21/2024**	**2.47**	**Yes**	**114**	**n/a**	**n/a**	**42.98**	**n/a**	**n/a**	**0.0001522**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	ARGWC-7	1.11	n/a	8/21/2024	0.0724	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-8	1.11	n/a	8/21/2024	0.877	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-9	1.11	n/a	8/21/2024	0.0066J	No	114	n/a	n/a	42.98	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-10	190	n/a	8/21/2024	7.87	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-15	190	n/a	8/21/2024	26.1	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-16	190	n/a	8/21/2024	69.9	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-17	190	n/a	8/21/2024	24.2	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-18	190	n/a	8/21/2024	48.9	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-7	190	n/a	8/21/2024	8.99	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-8	190	n/a	8/21/2024	43.4	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-9	190	n/a	8/21/2024	4.65	No	114	n/a	n/a	0	n/a	n/a	0.0001522	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-10	17	n/a	8/21/2024	3.99	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-15	17	n/a	8/21/2024	2.55	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-16	17	n/a	8/21/2024	5.71	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-17	17	n/a	8/21/2024	2.76	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-18	17	n/a	8/21/2024	6.72	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-7	17	n/a	8/21/2024	4.45	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-8	17	n/a	8/21/2024	5.59	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-9	17	n/a	8/21/2024	4.93	No	222	n/a	n/a	0.4505	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-10	0.53	n/a	8/21/2024	0.063J	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-15	0.53	n/a	8/21/2024	0.0719J	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-16	0.53	n/a	8/21/2024	0.1ND	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-17	0.53	n/a	8/21/2024	0.1ND	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-18	0.53	n/a	8/21/2024	0.0683J	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-7	0.53	n/a	8/21/2024	0.1ND	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-8	0.53	n/a	8/21/2024	0.139	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-9	0.53	n/a	8/21/2024	0.0405J	No	124	n/a	n/a	27.42	n/a	n/a	0.0001277	NP Inter (normality) 1 of 2
pH (SU)	ARGWC-10	7.04	5.53	8/21/2024	5.96	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
pH (SU)	ARGWC-15	7.04	5.53	8/21/2024	6.26	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
pH (SU)	**ARGWC-16**	**7.04**	**5.53**	**8/21/2024**	**5.24**	**Yes**	**123**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.000259**	**NP Inter (normality) 1 of 2**
pH (SU)	**ARGWC-17**	**7.04**	**5.53**	**8/21/2024**	**5.15**	**Yes**	**123**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.000259**	**NP Inter (normality) 1 of 2**
pH (SU)	ARGWC-18	7.04	5.53	8/21/2024	6	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
pH (SU)	ARGWC-7	7.04	5.53	8/21/2024	5.74	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
pH (SU)	ARGWC-8	7.04	5.53	8/21/2024	6.51	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
pH (SU)	ARGWC-9	7.04	5.53	8/21/2024	5.97	No	123	n/a	n/a	0	n/a	n/a	0.000259	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-10	950	n/a	8/21/2024	0.492	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-15	950	n/a	8/21/2024	4.47	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-16	950	n/a	8/21/2024	350	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-17	950	n/a	8/21/2024	143	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-18	950	n/a	8/21/2024	199	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-7	950	n/a	8/21/2024	32.1	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-8	950	n/a	8/21/2024	48.7	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-9	950	n/a	8/21/2024	1.42	No	230	n/a	n/a	15.65	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-10	1500	n/a	8/21/2024	90	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-15	1500	n/a	8/21/2024	168	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-16	1500	n/a	8/21/2024	601	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-17	1500	n/a	8/21/2024	235	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-18	1500	n/a	8/21/2024	460	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-7	1500	n/a	8/21/2024	119	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-8	1500	n/a	8/21/2024	266	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	ARGWC-9	1500	n/a	8/21/2024	74	No	109	n/a	n/a	0	n/a	n/a	0.0001667	NP Inter (normality) 1 of 2

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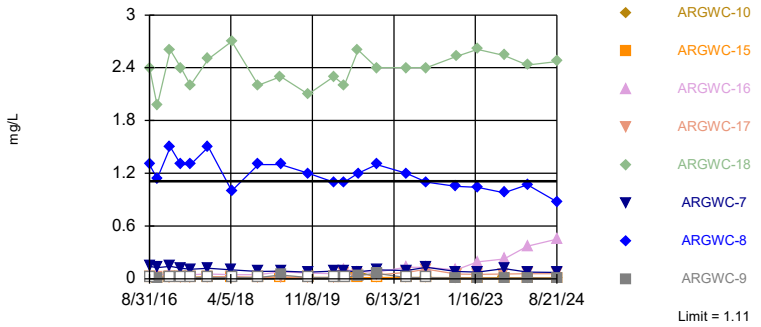
Hollow symbols indicate censored values.

Exceeds Limit: ARGWC-18

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 114 background values. 42.98% NDs. Annual per-constituent alpha = 0.002432. Individual comparison alpha = 0.0001522 (1 of 2). Comparing 8 points to limit.

Constituent: Boron Analysis Run 10/3/2024 11:20 AM View: Appendix III - Interwell
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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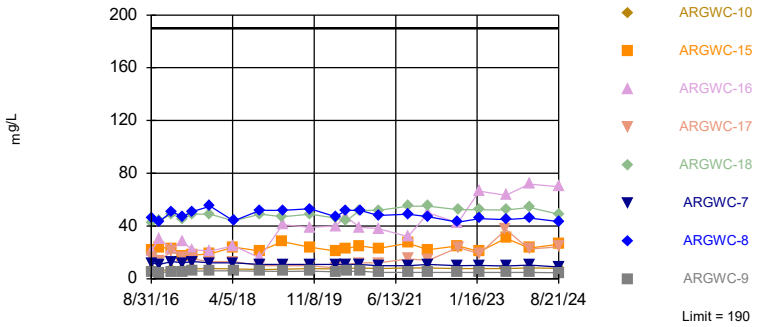
Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 114 background values. Annual per-constituent alpha = 0.002432. Individual comparison alpha = 0.0001522 (1 of 2). Comparing 8 points to limit.

Constituent: Calcium Analysis Run 10/3/2024 11:20 AM View: Appendix III - Interwell
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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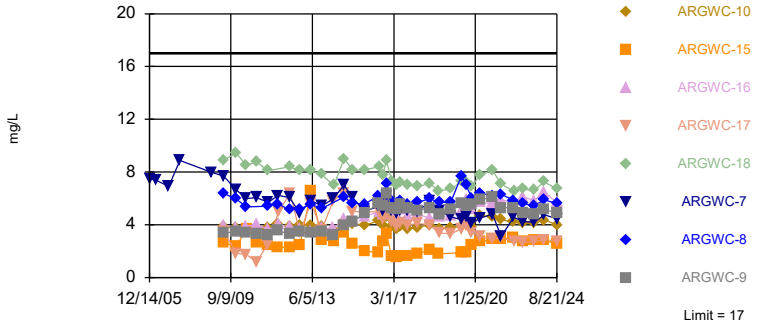
Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 222 background values. 0.4505% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Chloride Analysis Run 10/3/2024 11:20 AM View: Appendix III - Interwell
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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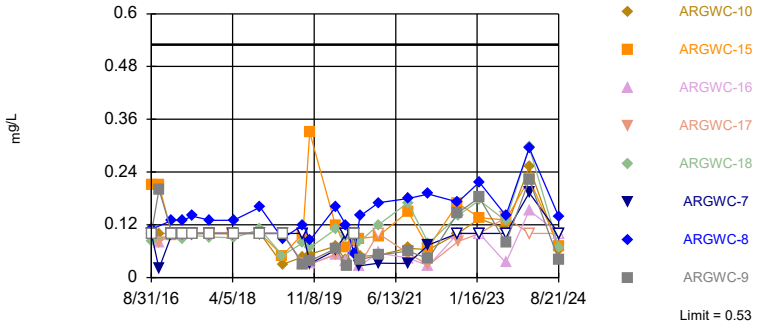
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 124 background values. 27.42% NDs. Annual per-constituent alpha = 0.002042. Individual comparison alpha = 0.0001277 (1 of 2). Comparing 8 points to limit.

Constituent: Fluoride Analysis Run 10/3/2024 11:20 AM View: Appendix III - Interwell
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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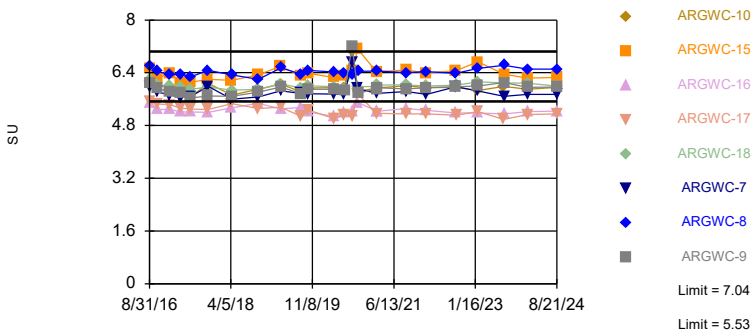
Exceeds Limits: ARGWC-16, ARGWC-17

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 123 background values. Annual per-constituent alpha = 0.00414. Individual comparison alpha = 0.000259 (1 of 2). Comparing 8 points to limit.

Constituent: pH Analysis Run 10/3/2024 11:21 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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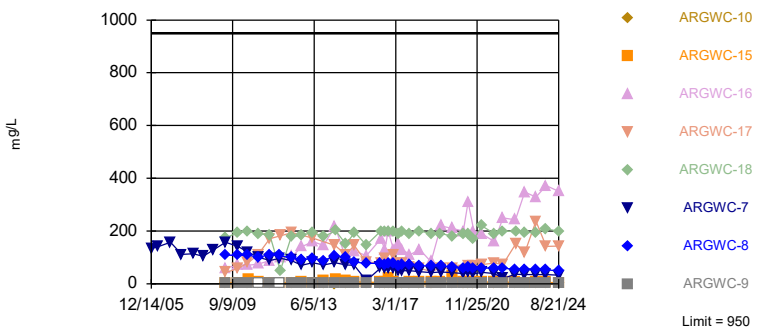
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 230 background values. 15.65% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Sulfate Analysis Run 10/3/2024 11:21 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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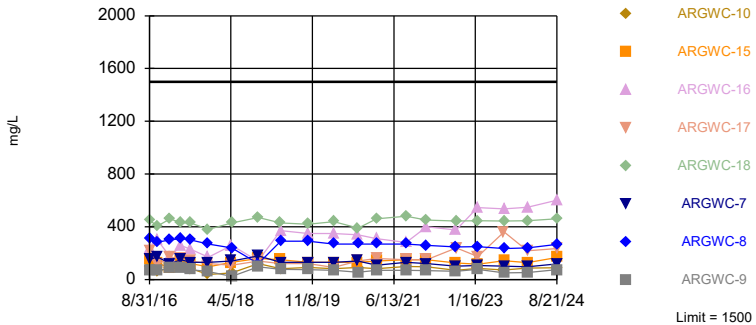
Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 109 background values. Annual per-constituent alpha = 0.002663. Individual comparison alpha = 0.0001667 (1 of 2). Comparing 8 points to limit.

Constituent: Total Dissolved Solids Analysis Run 10/3/2024 11:21 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-14 (bg)	ARGWC-7	ARGWA-3 (bg)	ARGWA-13 (bg)	ARGWC-8	ARGWC-9	ARGWC-18
8/30/2016	0.032 (J)	<0.015							
8/31/2016			0.04 (J)	0.14	<0.015	0.1	1.3	<0.015	
9/1/2016									2.4
9/2/2016									
10/24/2016	0.0406 (J)								
10/25/2016		0.0073 (J)	0.065 (J)	0.126	0.0068 (J)	0.204		0.0071 (J)	
10/26/2016							1.14		1.97
1/23/2017	0.023 (J)		0.031 (J)						
1/24/2017		<0.015			<0.015	0.064			
1/26/2017				0.14			1.5	<0.015	
1/27/2017									2.6
4/11/2017	0.025 (J)	<0.015	0.043 (J)		<0.015	0.081			
4/12/2017				0.12			1.3	<0.015	2.4
6/20/2017		<0.015	0.029 (J)		<0.015				
6/21/2017	<0.015					0.13	1.3		2.2
6/22/2017				0.11				<0.015	
10/25/2017	0.028 (J)	<0.015	0.041 (J)	0.12	<0.015	0.17		<0.015	2.5
10/26/2017							1.5		
4/9/2018			0.04 (J)			0.059			
4/10/2018	0.027 (J)	<0.015		0.1	<0.015				
4/11/2018							1	<0.015	2.7
10/16/2018	0.023 (J)	<0.015	0.046 (J)		<0.015	0.34			
10/17/2018				0.084			1.3	<0.015	2.2
3/26/2019						0.32			
3/27/2019	<0.015	<0.015	0.032 (J)		<0.015				2.3
3/28/2019				0.087			1.3	0.044 (J)	
10/7/2019			<0.015						
10/8/2019	<0.015	<0.015			<0.015	0.68			
10/9/2019				0.076 (J)			1.2	<0.015	2.1
4/6/2020			0.041 (J)						
4/7/2020	<0.015	<0.015			<0.015	0.23			
4/8/2020				0.086					
4/9/2020							1.1	<0.015	2.3
6/23/2020							1.1		
6/24/2020									2.2
6/25/2020		<0.015	<0.015	0.091	<0.015	0.32			
6/26/2020	<0.015							<0.015	
9/29/2020	<0.015	<0.015	0.039 (J)	0.078 (J)	<0.015	0.35			
9/30/2020									2.6
10/1/2020							1.2	0.041 (J)	
12/1/2020									
2/9/2021	<0.015	<0.015			<0.015	0.38			
2/10/2021				0.1			1.3	0.06 (J)	2.4
2/11/2021			0.062 (J)						
9/7/2021	<0.015					0.96			
9/8/2021		<0.015	<0.015		<0.015				
9/9/2021							1.2	<0.015	2.4
9/10/2021				0.093					
2/1/2022	<0.015	<0.015			<0.015	0.3			
2/2/2022			<0.015				1.1	<0.015	
2/3/2022				0.13					2.4
8/30/2022	0.0214	0.00855							

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-14 (bg)	ARGWC-7	ARGWA-3 (bg)	ARGWA-13 (bg)	ARGWC-8	ARGWC-9	ARGWC-18
8/31/2022			0.0356	0.0815	0.00589	0.933	1.05	0.00885	
9/2/2022									2.53
2/2/2023	0.0179			0.0773			1.04	0.00794 (J)	2.61
2/3/2023		0.0066 (J)			<0.015	0.26			
2/7/2023			0.0145 (J)						
8/9/2023	0.0235				0.00594 (J)	1.06			
8/10/2023		0.0139 (J)	0.0372	0.116			0.98	0.00623 (J)	2.54
1/24/2024		0.00641 (J)	0.0605		0.00554 (J)				
1/25/2024	0.0208			0.076		0.713	1.07	0.0114 (J)	2.43
8/20/2024	0.0106 (J)				<0.015				
8/21/2024		0.00762 (J)		0.0724		1.11	0.877	0.0066 (J)	2.47
8/22/2024			0.0311						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-16	ARGWC-10	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
8/30/2016					
8/31/2016					
9/1/2016	0.049 (J)	<0.015	0.022 (J)		
9/2/2016				<0.015	
10/24/2016					
10/25/2016	0.042 (J)	<0.015	0.0219 (J)		
10/26/2016				0.0138 (J)	
1/23/2017					
1/24/2017					
1/26/2017	0.059		<0.015	<0.015	
1/27/2017		<0.015			
4/11/2017	0.045 (J)		<0.015		
4/12/2017		<0.015		<0.015	
6/20/2017					
6/21/2017	0.045 (J)		<0.015	<0.015	
6/22/2017		<0.015			
10/25/2017					
10/26/2017	0.054	0.026 (J)	0.023 (J)	<0.015	
4/9/2018					
4/10/2018	0.048 (J)		0.026 (J)	<0.015	
4/11/2018		<0.015			
10/16/2018	0.048 (J)				
10/17/2018		<0.015	<0.015	<0.015	
3/26/2019					
3/27/2019				<0.015	
3/28/2019	0.08	<0.015	0.022 (J)		
10/7/2019					
10/8/2019				<0.015	
10/9/2019	0.065 (J)	<0.015	<0.015		
4/6/2020					
4/7/2020					
4/8/2020	0.059 (J)	<0.015	<0.015	<0.015	
4/9/2020					
6/23/2020		0.053 (J)			
6/24/2020	0.11		0.059 (J)		
6/25/2020				<0.015	
6/26/2020					
9/29/2020	0.081		0.045 (J)	<0.015	
9/30/2020					
10/1/2020		0.082			
12/1/2020					<0.015
2/9/2021	0.076 (J)	<0.015	0.042 (J)	<0.015	<0.015
2/10/2021					
2/11/2021					
9/7/2021					
9/8/2021	0.13		0.074 (J)	<0.015	<0.015
9/9/2021					
9/10/2021		<0.015			
2/1/2022					<0.015
2/2/2022		<0.015	0.11		
2/3/2022	0.13			<0.015	
8/30/2022					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-16	ARGWC-10	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
8/31/2022	0.101	0.00863		0.0137	0.0151
9/2/2022			0.0555		
2/2/2023	0.194	0.00561 (J)			0.014 (J)
2/3/2023			0.051	0.0113 (J)	
2/7/2023					
8/9/2023		<0.015	0.0534		0.0117 (J)
8/10/2023	0.224			0.00806 (J)	
1/24/2024					0.0133 (J)
1/25/2024	0.37	0.00819 (J)	0.059	0.0125 (J)	
8/20/2024					0.00663 (J)
8/21/2024	0.449	0.00605 (J)	0.0575	0.0103 (J)	
8/22/2024					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-14 (bg)	ARGWC-7	ARGWA-3 (bg)	ARGWA-13 (bg)	ARGWC-8	ARGWC-9	ARGWC-18
8/30/2016	11	5.1							
8/31/2016			31	12	5.4	110	46	5.2	
9/1/2016									42
9/2/2016									
10/24/2016	10.4								
10/25/2016		4.76	38.5	10.9	4.47	150		4.64	
10/26/2016							43.3		44.3
1/23/2017	12		25						
1/24/2017		5.6			5.8	78			
1/26/2017				13			51	5.5	
1/27/2017									49
4/11/2017	12	4.7	33		5.3	78			
4/12/2017				12			47	4.9	45
6/20/2017		5.4	34		5.8				
6/21/2017	12					110	51		49
6/22/2017				13				5.8	
10/25/2017	13	6	28	12	5.9	120		6.1	49
10/26/2017							55		
4/9/2018			30			49			
4/10/2018	13	5.3		12	5.9				
4/11/2018							44	6	44
10/16/2018	12	5.6	41		5.8	110			
10/17/2018				11			52	5.8	49
3/26/2019						95			
3/27/2019	11	4.5	42		5.4				47
3/28/2019				11			52	5.6	
10/7/2019			36						
10/8/2019	13	5.9			6	190			
10/9/2019				11			53	5.7	49
4/6/2020			43						
4/7/2020	12	4			5.5	61			
4/8/2020				11					
4/9/2020							47	5.3	46
6/23/2020							52		
6/24/2020									44
6/25/2020		6.1	27	11	5.7	100			
6/26/2020	15							5.6	
9/29/2020	14	6.6	29	11	5.9	120			
9/30/2020									52
10/1/2020							52	5.7	
12/1/2020									
2/9/2021	14	6.2			5.8	110			
2/10/2021				9.9			48	4.8	52
2/11/2021			40						
9/7/2021	14					190			
9/8/2021		7.3	24		5.8				
9/9/2021							49	4.7	55
9/10/2021				10					
2/1/2022	12	6.5			5.4	73			
2/2/2022			48				47	4.7	
2/3/2022				11					55
8/30/2022	14.2	9.56 (J)							

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-14 (bg)	ARGWC-7	ARGWA-3 (bg)	ARGWA-13 (bg)	ARGWC-8	ARGWC-9	ARGWC-18
8/31/2022			41.6	9.99	5.91	165	43	4.77	
9/2/2022									52.4
2/2/2023	14.9			10.2			45.7	4.88	52.4
2/3/2023		10.4			5.79	49			
2/7/2023			19.1						
8/9/2023	16				5.96	186			
8/10/2023		12.6	49.5	9.75			44.9	4.75	52.1
1/24/2024		12.4	45.6		5.9				
1/25/2024	13.3			10.3		118	46	4.81	54
8/20/2024	11.8				6.01				
8/21/2024		16.4		8.99		165	43.4	4.65	48.9
8/22/2024			45.3						

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-16	ARGWC-10	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
8/30/2016					
8/31/2016					
9/1/2016	21	6.6	16		
9/2/2016				22	
10/24/2016					
10/25/2016	29.8	5.89	13.5		
10/26/2016				23.7	
1/23/2017					
1/24/2017					
1/26/2017	23		21	23	
1/27/2017		7.4			
4/11/2017	28		16		
4/12/2017		6.7		17	
6/20/2017					
6/21/2017	22		15	18	
6/22/2017		7.5			
10/25/2017					
10/26/2017	21	7.8	13	19	
4/9/2018					
4/10/2018	25		13	24	
4/11/2018		7.4			
10/16/2018	16				
10/17/2018		7.1	10	21	
3/26/2019					
3/27/2019				28	
3/28/2019	41	7.3	10		
10/7/2019					
10/8/2019				24	
10/9/2019	39	7.7	10		
4/6/2020					
4/7/2020					
4/8/2020	40	7.5	8.3	21	
4/9/2020					
6/23/2020		7.7			
6/24/2020	47		11		
6/25/2020				23	
6/26/2020					
9/29/2020	39		12	25	
9/30/2020					
10/1/2020		8.1			
12/1/2020					13
2/9/2021	38	7.7	12	23	9.7
2/10/2021					
2/11/2021					
9/7/2021					
9/8/2021	32		15	27	10
9/9/2021					
9/10/2021		8.1			
2/1/2022					9.6
2/2/2022		8.3	14		
2/3/2022	50			22	
8/30/2022					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-16	ARGWC-10	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
8/31/2022	42.4	7.65		25	10.1
9/2/2022			23.7		
2/2/2023	66.5	7.69			10.2
2/3/2023			18.8	20.5	
2/7/2023					
8/9/2023		7.85	37.4		9.31
8/10/2023	63.4			30.9	
1/24/2024					9.3
1/25/2024	71.7	8.32	22.6	23.3	
8/20/2024					9.12
8/21/2024	69.9	7.87	24.2	26.1	
8/22/2024					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
12/16/1997	6.2	3.8							
6/30/1998	4.6	2.9							
12/2/1998	3.13	1.76							
6/8/1999	1.56	1.97							
12/7/1999	3.05	1.98							
6/15/2000	3.35	2.08							
12/12/2000	2.42	2.02							
12/5/2001	2.62	2.03							
6/26/2002	3.4	2.52							
12/3/2002	3.04	2.12							
6/11/2003	3.02	2.43							
12/10/2003	2.9	1.93							
6/15/2004	2.05	2.42							
12/14/2004	2.78	2.44							
6/2/2005	3.15	2.79							
12/14/2005	3.38	2.77	7.52						
4/5/2006	3.49	2.8	7.38						
10/30/2006	2.84	3.09	6.9						
5/10/2007	3.68	3.93	8.88						
11/17/2007	2.69	<0.021	13.5 (o)						
5/2/2008			12.9 (o)						
5/3/2008	2.85	3.52							
10/22/2008	2.99	3.15	7.97						
5/5/2009				2.61					
5/6/2009		3.49			10.7				
5/7/2009	2.96					4.24			
5/12/2009							3.5	3.96	8.89
5/13/2009									
5/14/2009			7.68						
12/1/2009		3.26	6.66						
12/3/2009					10.1	2.66			
12/4/2009	2.97			2.37			1.85		9.43
12/5/2009								3.81	
5/25/2010		3.62			7.11	3.29	1.74		8.49
5/26/2010			6					3.85	
6/1/2010	3.23			3.71					
6/2/2010									
11/9/2010		3.38			8.4		1.18	4.08	
11/10/2010	2.86		6.07	2.69		3.82			8.77
5/18/2011									
5/19/2011									8.11
5/24/2011		3.62			9.07		2.51	3.63	
5/25/2011	2.86		5.7	2.44		4.92			
11/9/2011				2.3					
11/10/2011		3.74			10.3	4.48			
11/11/2011			6.23						
11/12/2011	2.83						4.99	4.03	12.3 (o)
5/17/2012			6.06						8.4
5/18/2012		3.6			10.1				
5/30/2012						4.72	6.4	3.82	
5/31/2012	2.68			2.29					
11/9/2012		3.66	4.9		8.73	5.1	3.37	3.69	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
11/10/2012				2.46					8.13
11/11/2012	2.63								
5/7/2013									8.11
5/8/2013		4.16	5.85		8.06		5.67		
5/9/2013						3.85			
5/13/2013	0.364			6.55				3.5	
11/5/2013			5.44						7.82
11/6/2013		3.87			10.2		3.62	3.74	
11/11/2013						5.26			
11/12/2013	2.95			2.86					
5/20/2014		4.4			8.2		5.82		
5/21/2014			5.96			4.47		3.74	
5/28/2014				2.75					6.99
5/29/2014	2.64								
11/17/2014		4.2	7				6.4	4.4	
11/18/2014					10	6.4			
11/19/2014									9
11/20/2014				3.4					
4/7/2015		4.53	6.08			5.04	5.02	4.38	
4/14/2015	2.78			2.56	10.7				
4/15/2015									8.14
10/28/2015		4.47	5.02			6.3	4.98	4.62	
10/29/2015					10.7				8.17
11/3/2015	2.66			2.01					
11/4/2015									
6/23/2016	3.3	4.6	5.4	1.9	11	5.7			
6/24/2016							5	5	8.4
8/30/2016		4.3			11				
8/31/2016	2.7		5.1			5.7			
9/1/2016							4.4	4.8	7.8
9/2/2016				2.7					
10/24/2016					12				
10/25/2016	3.1	5	6.2			7.9	5.1	5.4	
10/26/2016				3.3					8.9
1/23/2017					11				
1/24/2017	2.5	5.1				4.4			
1/26/2017			5.1	1.6			4.2	5.2	
1/27/2017									7.3
4/11/2017	2.4	4.4			11	4.3	3.9	4.8	
4/12/2017			4.9	1.5					7
6/20/2017	2.5	5							
6/21/2017				1.6	11	5.5	4.1	5.2	7.2
6/22/2017			5.1						
10/25/2017	2.3	5.3	5.1		10	5.2			7
10/26/2017				1.6			4	4.7	
4/9/2018						3.8			
4/10/2018	2.4	5.1	5	1.8	9.9		4.1	4.8	
4/11/2018									6.9
10/16/2018	2.5	5.3			11	6		4.5	
10/17/2018			5.8	2.1			4		7.1
3/26/2019						4.6			
3/27/2019	2.5	4.3		1.8	11				6.6

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
3/28/2019			5.1				3.4	4.6	
10/7/2019									
10/8/2019	2.6	5.7		9.4 (o)	64 (o)	6.7			
10/9/2019			4.6				3.3	4.7	6.7
4/6/2020									
4/7/2020	2.9	3.7			11	3.8			
4/8/2020			4.4	1.9			3.7	5.1	
4/9/2020									7.3
6/23/2020									
6/24/2020							4	5.9	7.2
6/25/2020	2.8	4.2	4.6	1.9		5.8			
6/26/2020					12				
9/29/2020	2.7	4.6	4.1	2.5	12	5.7	3.4	5.2	
9/30/2020									6.9
10/1/2020									
12/1/2020									
2/9/2021	3	5.1		2.7	15	6	3.1	5.7	
2/10/2021			4.5						7.8
2/11/2021									
9/7/2021					14	8.2			
9/8/2021	3	5.3		2.9			2.9	5.6	
9/9/2021									8.1
9/10/2021			4.8						
2/1/2022	3.4	5.3			12	4.6			
2/2/2022							3		
2/3/2022			3.1	2.9				5.9	7.1
8/30/2022		8.47			12.8 (J)				
8/31/2022	2.94		4.59	3.01		6.89		5.67	
9/2/2022							2.74		6.52
2/2/2023			4.25		13.2			6.12	6.7
2/3/2023	2.67	8.74		2.71		3.04	2.68		
2/7/2023									
8/9/2023	2.71				13.3	5.87	2.72		
8/10/2023		12.4	4.2	2.88				5.85	6.62
1/24/2024	2.72	14.9							
1/25/2024			4.76	2.83	13.1	5.2	2.88	6.48	7.26
8/20/2024	2.66				10.6				
8/21/2024		17	4.45	2.55		6.76	2.76	5.71	6.72
8/22/2024									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997					
6/30/1998					
12/2/1998					
6/8/1999					
12/7/1999					
6/15/2000					
12/12/2000					
12/5/2001					
6/26/2002					
12/3/2002					
6/11/2003					
12/10/2003					
6/15/2004					
12/14/2004					
6/2/2005					
12/14/2005					
4/5/2006					
10/30/2006					
5/10/2007					
11/17/2007					
5/2/2008					
5/3/2008					
10/22/2008					
5/5/2009					
5/6/2009					
5/7/2009					
5/12/2009					
5/13/2009	3.37	3.85			
5/14/2009			6.38		
12/1/2009					
12/3/2009	3.49	3.73	5.96		
12/4/2009					
12/5/2009					
5/25/2010					
5/26/2010	3.35	3.7	5.37		
6/1/2010					
6/2/2010				15.1	
11/9/2010	3.34	3.6	<0.071 (o)		
11/10/2010				14.8	
5/18/2011			5.4		
5/19/2011	3.25	3.79		28.2 (o)	
5/24/2011					
5/25/2011					
11/9/2011				32.8 (o)	
11/10/2011					
11/11/2011	3.57	4.07	5.58		
11/12/2011					
5/17/2012	3.27	3.84	5.15		
5/18/2012					
5/30/2012				30.8 (o)	
5/31/2012					
11/9/2012	3.45	3.99	5.2		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
11/10/2012					
11/11/2012				24.6 (o)	
5/7/2013	3.35	3.94	5.56		
5/8/2013					
5/9/2013				27.2 (o)	
5/13/2013					
11/5/2013			5.24		
11/6/2013	3.45	3.89			
11/11/2013				12.7	
11/12/2013					
5/20/2014		3.54			
5/21/2014	3.18		7.34 (o)		
5/28/2014					
5/29/2014				20 (o)	
11/17/2014					
11/18/2014	4	4.2	6.1		
11/19/2014				19 (o)	
11/20/2014					
4/7/2015	4.22	4.09	5.62		
4/14/2015				13.6	
4/15/2015					
10/28/2015	4.87	3.98	5.58		
10/29/2015					
11/3/2015					
11/4/2015				12.4	
6/23/2016	5.6	4.3	6.2	9	
6/24/2016					
8/30/2016					
8/31/2016	5.4		5.6	5.4	
9/1/2016		4			
9/2/2016					
10/24/2016					
10/25/2016	6.4	4.6		9.3	
10/26/2016			7.1		
1/23/2017				5.1	
1/24/2017					
1/26/2017	5.3		5.8		
1/27/2017		3.9			
4/11/2017				4.1	
4/12/2017	5.2	3.7	5.6		
6/20/2017				4.1	
6/21/2017			5.8		
6/22/2017	5.5	3.9			
10/25/2017	5.3			3.8	
10/26/2017		3.7	5.5		
4/9/2018				3.9	
4/10/2018					
4/11/2018	5.1	3.8	5.7		
10/16/2018				4.3	
10/17/2018	5.3	4	6		
3/26/2019					
3/27/2019				4	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
3/28/2019	4.8	3.7	5.7		
10/7/2019				4	
10/8/2019					
10/9/2019	5.2	3.8	5.7		
4/6/2020				4.2	
4/7/2020					
4/8/2020		3.9			
4/9/2020	5.6		7.7		
6/23/2020		4.2	7		
6/24/2020					
6/25/2020				4	
6/26/2020	5.4				
9/29/2020				4.1	
9/30/2020					
10/1/2020	5.5	3.9	6		
12/1/2020					12
2/9/2021		4.7			11
2/10/2021	5.9		6.4		
2/11/2021				4.6	
9/7/2021					
9/8/2021				4	11
9/9/2021	6.1		6.2		
9/10/2021		4.6			
2/1/2022					12
2/2/2022	5.3	4.4	6.3	4.2	
2/3/2022					
8/30/2022					
8/31/2022	5.28 (J)	4.2	5.86	3.92	12.3
9/2/2022					
2/2/2023	4.88	4.1	5.6		9.71
2/3/2023					
2/7/2023				3.88	
8/9/2023		4.11			8.91
8/10/2023	4.8		5.45	4.61	
1/24/2024				4.33	9.01
1/25/2024	5.15	4.36	5.9		
8/20/2024					8.27
8/21/2024	4.93	3.99	5.59		
8/22/2024				4.39	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-14 (bg)	ARGWA-13 (bg)	ARGWC-7	ARGWC-8	ARGWC-9	ARGWA-3 (bg)	ARGWC-16
8/30/2016	<0.1	<0.1							
8/31/2016			0.12 (J)	<0.1	<0.1	0.11 (J)	<0.1	<0.1	
9/1/2016									<0.1
9/2/2016									
10/24/2016	0.1 (J)								
10/25/2016		0.09 (J)	0.53	0.08 (J)	0.02 (J)		0.2 (J)	0.14 (J)	0.08 (J)
10/26/2016						0.43 (o)			
1/23/2017	<0.1		0.4						
1/24/2017		<0.1		<0.1				<0.1	
1/26/2017					<0.1	0.13 (J)	<0.1		<0.1
1/27/2017									
4/11/2017	<0.1	<0.1	0.31	<0.1				<0.1	<0.1
4/12/2017					<0.1	0.13 (J)	<0.1		
6/20/2017		<0.1	0.27					<0.1	
6/21/2017	<0.1			<0.1		0.14 (J)			<0.1
6/22/2017					<0.1		<0.1		
10/25/2017	<0.1	<0.1	0.29	<0.1	<0.1		<0.1	<0.1	
10/26/2017						0.13 (J)			<0.1
4/9/2018			0.25	<0.1					
4/10/2018	<0.1	<0.1			<0.1			<0.1	<0.1
4/11/2018						0.13 (J)	<0.1		
10/16/2018	0.1 (J)	<0.1	0.33	<0.1				0.1 (J)	<0.1
10/17/2018					<0.1	0.16 (J)	<0.1		
3/26/2019				<0.1					
3/27/2019	0.031 (J)	0.026 (J)	0.15 (J)					0.034 (J)	
3/28/2019					<0.1	0.089 (J)	<0.1		<0.1
8/19/2019				<0.1					
8/20/2019	0.049 (J)	0.047 (J)						0.053 (J)	0.033 (J)
8/21/2019			0.35		<0.1	0.12 (J)	0.03 (J)		
10/7/2019			0.12 (J)						
10/8/2019	0.27 (J)	0.05 (J)		0.033 (J)				0.056 (J)	
10/9/2019					0.032 (J)	0.085 (J)	0.038 (J)		0.031 (J)
4/6/2020			0.28						
4/7/2020	0.082 (J)	0.072 (J)		0.086 (J)				0.098 (J)	
4/8/2020					0.062 (J)				0.051 (J)
4/9/2020						0.16	0.066 (J)		
6/23/2020						0.12			
6/24/2020									0.038 (J)
6/25/2020		0.042 (J)	0.17	0.03 (J)	<0.1			0.06 (J)	
6/26/2020	0.051 (J)						0.027 (J)		
8/18/2020	0.041 (J)	<0.1		<0.1	<0.1			<0.1	
8/19/2020			0.12				<0.1		<0.1
8/20/2020						0.054 (J)			
9/29/2020	0.06 (J)	0.051 (J)	0.13	0.032 (J)	0.027 (J)			0.065 (J)	0.026 (J)
9/30/2020									
10/1/2020						0.14	0.041 (J)		
12/1/2020									
2/9/2021	0.07 (J)	0.055 (J)		0.036 (J)				0.084 (J)	0.056 (J)
2/10/2021					0.033 (J)	0.17	0.051 (J)		
2/11/2021			0.25						
9/7/2021	0.11			0.075 (J)					
9/8/2021		0.1	0.2					0.1	0.044 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-14 (bg)	ARGWA-13 (bg)	ARGWC-7	ARGWC-8	ARGWC-9	ARGWA-3 (bg)	ARGWC-16
9/9/2021						0.18	0.06 (J)		
9/10/2021					0.032 (J)				
2/1/2022	0.065 (J)	0.059 (J)		0.032 (J)				0.086 (J)	
2/2/2022			0.19			0.19	0.043 (J)		
2/3/2022					0.074 (J)				0.027 (J)
8/30/2022	0.167	0.155							
8/31/2022			0.155	0.135	<0.1	0.172	0.147	0.184	<0.1
9/2/2022									
2/2/2023	0.221				<0.1	0.217	0.182		<0.1
2/3/2023		<0.1		<0.1				0.155 (J)	
2/7/2023			0.275						
8/9/2023	0.271			0.239				0.316	
8/10/2023		0.128	0.254		<0.1	0.141	0.079 (J)		0.0335 (J)
1/24/2024		0.117	0.327					0.146	
1/25/2024	0.241			0.175	0.193	0.295	0.222		0.153
8/20/2024	0.0426 (J)							0.0574 (J)	
8/21/2024		0.0365 (J)		0.0387 (J)	<0.1	0.139	0.0405 (J)		<0.1
8/22/2024			0.21						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-18	ARGWC-17	ARGWC-10	ARGWC-15	ARGWA-24 (bg)
8/30/2016					
8/31/2016					
9/1/2016	0.083 (J)	<0.1	<0.1		
9/2/2016				0.21	
10/24/2016					
10/25/2016		0.08 (J)	0.1 (J)		
10/26/2016	0.32 (o)			0.21 (J)	
1/23/2017					
1/24/2017					
1/26/2017		<0.1		0.097 (J)	
1/27/2017	0.097 (J)		<0.1		
4/11/2017		<0.1			
4/12/2017	0.088 (J)		<0.1	<0.1	
6/20/2017					
6/21/2017	0.096 (J)	<0.1		<0.1	
6/22/2017			<0.1		
10/25/2017	0.092 (J)				
10/26/2017		<0.1	<0.1	<0.1	
4/9/2018					
4/10/2018		<0.1		<0.1	
4/11/2018	0.09 (J)		<0.1		
10/16/2018					
10/17/2018	0.11 (J)	<0.1	<0.1	0.1 (J)	
3/26/2019					
3/27/2019	0.05 (J)			0.05 (J)	
3/28/2019		<0.1	0.03 (J)		
8/19/2019					
8/20/2019					
8/21/2019	0.079 (J)	0.031 (J)	0.047 (J)	0.1 (J)	
10/7/2019					
10/8/2019				0.33 (J)	
10/9/2019	0.068 (J)	0.03 (J)	0.053 (J)		
4/6/2020					
4/7/2020					
4/8/2020		0.053 (J)	0.071 (J)	0.12	
4/9/2020	0.11				
6/23/2020			0.04 (J)		
6/24/2020	0.094 (J)	<0.1			
6/25/2020				0.067 (J)	
6/26/2020					
8/18/2020		<0.1			
8/19/2020			<0.1	0.081 (J)	
8/20/2020	<0.1				
9/29/2020		0.029 (J)		0.089 (J)	
9/30/2020	0.082 (J)				
10/1/2020			0.048 (J)		
12/1/2020					<0.1
2/9/2021		<0.1	0.051 (J)	0.094 (J)	0.057 (J)
2/10/2021	0.12				
2/11/2021					
9/7/2021					
9/8/2021		0.055 (J)		0.15	0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-18	ARGWC-17	ARGWC-10	ARGWC-15	ARGWA-24 (bg)
9/9/2021	0.17				
9/10/2021			0.067 (J)		
2/1/2022					0.054 (J)
2/2/2022		0.028 (J)	0.063 (J)		
2/3/2022	0.078 (J)			0.068 (J)	
8/30/2022					
8/31/2022			<0.1	0.169	0.164
9/2/2022	0.141	0.082 (J)			
2/2/2023	0.176		0.134		0.125
2/3/2023		<0.1		0.136 (J)	
2/7/2023					
8/9/2023		0.137	0.111		0.0732 (J)
8/10/2023	0.129			0.131	
1/24/2024					0.121
1/25/2024	0.296	<0.1	0.252	0.225	
8/20/2024					0.0399 (J)
8/21/2024	0.0683 (J)	<0.1	0.063 (J)	0.0719 (J)	
8/22/2024					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH (SU) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-8	ARGWC-10	ARGWC-9	ARGWC-18	ARGWC-17	ARGWC-16
8/30/2016	6.07								
8/31/2016		6.09	5.98	6.62	6.16	6.1			
9/1/2016							6.19	5.52	5.49
9/2/2016									
10/24/2016									
10/25/2016	5.96	5.92	5.81		6.02	5.92		5.45	5.29
10/26/2016				6.44			6.03		
1/23/2017									
1/24/2017	5.89	5.98							
1/26/2017			5.73	6.34		5.82		5.43	5.29
1/27/2017					5.98		6.01		
4/11/2017	5.78	5.82						5.33	5.21
4/12/2017			5.65	6.36	5.87	5.79	5.97		
6/20/2017	5.69	5.8							
6/21/2017				6.28			5.9	5.3	5.21
6/22/2017			5.69		5.68	5.64			
10/25/2017	6.11	5.89	5.99			5.7	5.97		
10/26/2017				6.47	6.07			5.29	5.2
4/9/2018									
4/10/2018	5.58	5.85	5.6					5.46	5.34
4/11/2018				6.34	5.72	5.69	5.87		
10/16/2018	5.86	6.03							5.47
10/17/2018			5.67	6.2	5.9	5.81	5.9	5.32	
3/26/2019									
3/27/2019	5.97	6.1					6.06		
3/28/2019			5.85		6.05	5.97		5.36	5.31
3/29/2019				6.55					
8/19/2019									
8/20/2019	5.8	5.83							5.35
8/21/2019			5.77	6.36	5.82	5.76	5.94	5.07	
10/7/2019									
10/8/2019	5.93	5.96							
10/9/2019			5.76	6.47	5.94	5.9	6.01	5.27	5.22
4/6/2020									
4/7/2020	5.86	5.9							
4/8/2020			5.75		5.95			5.02	5.07
4/9/2020				6.42		5.9	5.98		
6/23/2020				6.37	5.95				
6/24/2020							5.91	5.11	5.2
6/25/2020	5.87	5.75	5.75						
6/26/2020						5.85			
8/18/2020	6.18	6.47	6.7					5.07	
8/19/2020					7.06	7.21			5.24
8/20/2020				6.34			6.43		
9/29/2020	6	6.02	5.92					5.75	5.5
9/30/2020							5.98		
10/1/2020				6.44	5.83	5.78			
12/1/2020									
2/9/2021	5.88	5.94			5.94			5.17	5.24
2/10/2021			5.77	6.45		5.91	5.99		
2/11/2021	5.87	5.94				5.95	6.03		5.23
9/7/2021									

Prediction Limit

Constituent: pH (SU) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-8	ARGWC-10	ARGWC-9	ARGWC-18	ARGWC-17	ARGWC-16
9/8/2021	5.93	5.97						5.15	5.32
9/9/2021				6.4		5.91	6.04		
9/10/2021			5.83		6.01				
2/1/2022	5.83	5.93							
2/2/2022				6.43	5.95	5.95		5.15	
2/3/2022			5.74				6		5.26
8/30/2022	5.88								
8/31/2022		5.96	5.98	6.38	5.96	5.98			5.18
9/2/2022							6.03	5.11	
2/2/2023			5.85	6.53	5.86	6	6.12		5.18
2/3/2023	5.93	6.07						5.22	
2/7/2023									
8/9/2023		5.83			5.99			4.99	
8/10/2023	5.61		5.69	6.63		6.1	6.09		5.15
1/24/2024	5.81	6.03							
1/25/2024			5.74	6.51	5.9	5.96	6.08	5.13	5.22
8/20/2024		6.05							
8/21/2024	5.72		5.74	6.51	5.96	5.97	6	5.15	5.24

Prediction Limit

Constituent: pH (SU) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)	ARGWA-24 (bg)
8/30/2016		6.82 (o)			
8/31/2016			6.67 (o)	7.55 (o)	
9/1/2016					
9/2/2016	6.54				
10/24/2016		5.99			
10/25/2016	6.25		5.8	6.92	
10/26/2016	6.23				
1/23/2017		5.94		6.76	
1/24/2017			5.82		
1/26/2017	6.4				
1/27/2017					
4/11/2017		5.88	5.78	6.72	
4/12/2017	6.1				
6/20/2017				6.66	
6/21/2017	6.11	5.73	5.67		
6/22/2017					
10/25/2017		6.13	5.72	6.77	
10/26/2017	6.2				
4/9/2018			5.78	6.6	
4/10/2018	6.17	5.95			
4/11/2018					
10/16/2018		5.94	5.74	6.63	
10/17/2018	6.34				
3/26/2019			5.96		
3/27/2019	6.6	6		6.83	
3/28/2019					
3/29/2019					
8/19/2019			5.59		
8/20/2019		5.89			
8/21/2019	6.3			6.94	
10/7/2019				6.69	
10/8/2019	6.38	5.93	5.74		
10/9/2019					
4/6/2020				6.65	
4/7/2020		5.91	5.84		
4/8/2020	6.26				
4/9/2020					
6/23/2020					
6/24/2020					
6/25/2020	6.32		5.8	6.38	
6/26/2020		5.94			
8/18/2020		6.48	6.15		
8/19/2020	6.47			6.62	
8/20/2020					
9/29/2020	7.11	5.88	5.75	6.8	
9/30/2020					
10/1/2020					
12/1/2020					5.85
2/9/2021	6.43	5.92	5.79		5.69
2/10/2021					
2/11/2021				7.02	
9/7/2021		5.89	5.71		

Prediction Limit

Constituent: pH (SU) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWA-14 (bg)	ARGWA-24 (bg)
9/8/2021	6.48			7.04	5.8
9/9/2021					
9/10/2021					
2/1/2022		5.97	5.86		5.77
2/2/2022				6.41	
2/3/2022	6.39				
8/30/2022		5.88			
8/31/2022	6.46		5.53	6.8	5.65
9/2/2022					
2/2/2023		5.86			5.62
2/3/2023	6.73		5.84		
2/7/2023				6.25	
8/9/2023		6.13	5.94		5.7
8/10/2023	6.36			6.43	
1/24/2024				6.84	5.7
1/25/2024	6.24	5.85	5.76		
8/20/2024		5.96			5.71
8/21/2024	6.26		5.79	6.8	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-18	ARGWC-17	ARGWC-16
12/16/1997	<1	2							
6/30/1998	<1	<1							
12/2/1998	0.654	0.709							
6/8/1999	1.46	<1							
12/7/1999	0.399	0.531							
6/15/2000	0.601	0.733							
12/12/2000	0.45	0.621							
12/5/2001	0.094	0.274							
6/26/2002	4.95	0.505							
12/3/2002	0.911	0.515							
6/11/2003	1.85	0.508							
12/10/2003	0.77	0.578							
6/15/2004	1.3	1.23							
12/14/2004	1.02	1.22							
6/2/2005	0.834	0.908							
12/14/2005	<1	0.825	133						
4/5/2006	<1	1.06	140						
10/30/2006	0.865	0.996	157						
5/10/2007	1.03	1.01	111						
11/17/2007	0.818	1.72	114						
5/2/2008			104						
5/3/2008	0.941	1.2							
10/22/2008	<1	<1	129						
5/5/2009				2.89					
5/6/2009		0.807			16.6				
5/7/2009	0.46					21.4			
5/12/2009							173	42.6	57.9
5/13/2009									
5/14/2009			157						
12/1/2009		0.644	142						
12/3/2009					12.3	11.6			
12/4/2009	1.06			3.13			195	58.4	
12/5/2009									72.1
5/25/2010		0.509			6.44	12.3	199	79.4	
5/26/2010			120						70.3
6/1/2010	5.56			14.5					
6/2/2010									
11/9/2010		0.348			6.83			111	74.8
11/10/2010	0.241		100	5.04		10.6	189		
5/18/2011									
5/19/2011							186		
5/24/2011		0.532			8.55			171	87.2
5/25/2011	0.383		88.8	4.57		11.9			
11/9/2011				4.15					
11/10/2011		0.209			9.74	100			
11/11/2011			96.6						
11/12/2011	<1						49.9	182	97.9
5/17/2012			88.9				177		
5/18/2012		0.471			8.72				
5/30/2012						61.3		194	103
5/31/2012	0.426			4.05					
11/9/2012		0.589	70.1		5.9	202		842 (o)	140

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-18	ARGWC-17	ARGWC-16
11/10/2012				5.68			184		
11/11/2012	0.455 (J)								
5/7/2013							195		
5/8/2013		0.504	80.5		5.66			173	
5/9/2013						33.4			
5/13/2013	2.61			2.45					160
11/5/2013			71.6				178		
11/6/2013		<1			9.04			471 (o)	146
11/11/2013						316			
11/12/2013	<1			11.8					
5/20/2014		0.5 (J)			7.25			145	
5/21/2014			80.4			162			217
5/28/2014				14.6			201		
5/29/2014	1.41								
11/17/2014		<1	71					110	97
11/18/2014					10	370			
11/19/2014							150		
11/20/2014				12					
4/7/2015		0.469	70.6			235		145	125
4/14/2015	0.377			8.71	9.61				
4/15/2015							195		
10/28/2015		0.28	12.2			737		82.7	106
10/29/2015					10.2		147		
11/3/2015	0.215			5.14					
11/4/2015									
6/23/2016	<1	<1	61	6.9	9.8	380			
6/24/2016							200	79	170
8/30/2016		<1			9.5				
8/31/2016	<1		57			600			
9/1/2016							200	94	130
9/2/2016				6.1					
10/24/2016					11				
10/25/2016	0.3 (J)	0.4 (J)	56			820		73	200
10/26/2016				22			200		
1/23/2017					11				
1/24/2017	<1	<1				370			
1/26/2017			57	5.1				110	130
1/27/2017							200		
4/11/2017	<1	<1			9.1	340		77	150
4/12/2017			47	4			190		
6/20/2017	<1	<1							
6/21/2017				4.6	10	540	200	75	130
6/22/2017			49						
10/25/2017	<1	<1	49		11	580	190		
10/26/2017				5.4				61	110
4/9/2018						230			
4/10/2018	<1	<1	46	6.7	9.5			58	130
4/11/2018							200		
10/16/2018	<1	<1			10	520			84
10/17/2018			42	6.8			190	47	
3/26/2019						430			
3/27/2019	0.38 (J)	0.55 (J)		7.2	9.1		190		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-18	ARGWC-17	ARGWC-16
3/28/2019			45					59	220
10/7/2019									
10/8/2019	0.7 (J)	0.7 (J)		31	55	950			
10/9/2019			42				180	57	210
4/6/2020									
4/7/2020	0.67 (J)	<1			8	270			
4/8/2020			39	5.9				47	200
4/9/2020							190		
6/23/2020									
6/24/2020							190	67	310
6/25/2020	1.6	<1	42	5.6		410			
6/26/2020					9				
9/29/2020	<1	<1	38	7.7	8.3	540		66	200
9/30/2020							170		
10/1/2020									
12/1/2020									
2/9/2021	<1	<1		7.1	11	520		73	190
2/10/2021			43				220		
2/11/2021									
9/7/2021					9	870			
9/8/2021	<1	<1		6.2				79	160
9/9/2021							190		
9/10/2021			39						
2/1/2022	1.4	0.77 (J)			7.8	360			
2/2/2022								74	
2/3/2022			21	5.6			200		250
8/30/2022		0.519			7.11				
8/31/2022	0.399 (J)		36.3	5.64		855			243
9/2/2022							198	151	
2/2/2023			35		6.71		195		348
2/3/2023	0.448	0.5		4.35		209		118	
2/7/2023									
8/9/2023	0.419				6.19	784		237	
8/10/2023		0.581	34.5	6.91			194		328
1/24/2024	0.371 (J)	0.525							
1/25/2024			35.2	4.79	7.05	537	208	142	372
8/20/2024	0.406				5.98				
8/21/2024		0.536	32.1	4.47		741	199	143	350
8/22/2024									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997					
6/30/1998					
12/2/1998					
6/8/1999					
12/7/1999					
6/15/2000					
12/12/2000					
12/5/2001					
6/26/2002					
12/3/2002					
6/11/2003					
12/10/2003					
6/15/2004					
12/14/2004					
6/2/2005					
12/14/2005					
4/5/2006					
10/30/2006					
5/10/2007					
11/17/2007					
5/2/2008					
5/3/2008					
10/22/2008					
5/5/2009					
5/6/2009					
5/7/2009					
5/12/2009					
5/13/2009	0.984	0.938			
5/14/2009			109		
12/1/2009					
12/3/2009	0.544	0.422	107		
12/4/2009					
12/5/2009					
5/25/2010					
5/26/2010	0.37	0.262	109		
6/1/2010					
6/2/2010				129	
11/9/2010	0.299	<1	100		
11/10/2010				140	
5/18/2011			110		
5/19/2011	0.502	0.359		269	
5/24/2011					
5/25/2011					
11/9/2011				308	
11/10/2011					
11/11/2011	0.172	<1	107		
11/12/2011					
5/17/2012	0.438	0.398	98		
5/18/2012					
5/30/2012				296	
5/31/2012					
11/9/2012	0.537	0.545	90.4		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
11/10/2012					
11/11/2012				225	
5/7/2013	0.437	0.797	96.2		
5/8/2013					
5/9/2013				268	
5/13/2013					
11/5/2013			86.9		
11/6/2013	<1	0.86			
11/11/2013				132	
11/12/2013					
5/20/2014	0				
5/21/2014		1.02	106		
5/28/2014					
5/29/2014				216	
11/17/2014					
11/18/2014	<1	1.2	99		
11/19/2014				160	
11/20/2014					
4/7/2015	0.464	1.14	82.3		
4/14/2015				105	
4/15/2015					
10/28/2015	0.293	1.02	78		
10/29/2015					
11/3/2015					
11/4/2015				74.4	
6/23/2016	<1	1	78	18	
6/24/2016					
8/30/2016					
8/31/2016		1.1	72	19	
9/1/2016	<1				
9/2/2016					
10/24/2016					
10/25/2016	0.38 (J)	4.7 (o)		42	
10/26/2016			77		
1/23/2017				12	
1/24/2017					
1/26/2017		1.1	75		
1/27/2017	<1				
4/11/2017				7.1	
4/12/2017	<1	0.9 (J)	69		
6/20/2017				8.5	
6/21/2017			73		
6/22/2017	<1	0.99 (J)			
10/25/2017		0.95 (J)		9.1	
10/26/2017	<1		72		
4/9/2018				11	
4/10/2018					
4/11/2018	<1	0.9 (J)	69		
10/16/2018				14	
10/17/2018	<1	0.95 (J)	67		
3/26/2019					
3/27/2019				15	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
3/28/2019	0.38 (J)	1	66		
10/7/2019				12	
10/8/2019					
10/9/2019	0.59 (J)	1.5	63		
4/6/2020				10	
4/7/2020					
4/8/2020	<1				
4/9/2020		1.1	59		
6/23/2020	<1		62		
6/24/2020					
6/25/2020				3.3	
6/26/2020		0.94 (J)			
9/29/2020				4.1	
9/30/2020					
10/1/2020	<1	0.82 (J)	57		
12/1/2020					7.5
2/9/2021	1.3				8.5
2/10/2021		1.7	60		
2/11/2021				10	
9/7/2021					
9/8/2021				3	6.8
9/9/2021		1.2	58		
9/10/2021	<1				
2/1/2022					6.8
2/2/2022	<1	1.4	59	8.6	
2/3/2022					
8/30/2022					
8/31/2022	0.494	1.31	54.1	2.58	6.94
9/2/2022					
2/2/2023	0.529	1.46	53.2		6.22
2/3/2023					
2/7/2023				2.52	
8/9/2023	0.541				6.34
8/10/2023		1.45	52.3	14.4	
1/24/2024				8.23	5.18
1/25/2024	0.519	1.49	52.7		
8/20/2024					5.37
8/21/2024	0.492	1.42	48.7		
8/22/2024				5.41	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWC-8	ARGWA-13 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-9	ARGWA-14 (bg)	ARGWC-17
8/30/2016	100	58							
8/31/2016			310	1000	80	150	74	330	
9/1/2016									220
9/2/2016									
10/24/2016	136								
10/25/2016		34		1280	65	171	67	459	114
10/26/2016			283						
1/23/2017	16							340	
1/24/2017		120		590	70				
1/26/2017			300			120	84		170
1/27/2017									
4/11/2017	120	76		610	64			300	160
4/12/2017			310			150	88		
6/20/2017		36			52			210	
6/21/2017	140		300	880					140
6/22/2017						130	76		
10/25/2017	120	64		900	72	130	60	280	
10/26/2017			270						120
4/9/2018				440				280	
4/10/2018	130	60			86	140			110
4/11/2018			240				24		
10/16/2018	150	54		910	74			48	
10/17/2018			120			180	96		140
3/26/2019				750					
3/27/2019	110	61			69			330	
3/28/2019			290			130	77		120
10/7/2019								230	
10/8/2019	130	68		1500	66				
10/9/2019			290			130	75		120
4/6/2020								280	
4/7/2020	120	65		480	64				
4/8/2020						130			91
4/9/2020			270				70		
9/29/2020	130	61		880	62	140		210	140
9/30/2020									
10/1/2020			270				55		
12/1/2020									
2/9/2021	140	73		890	62				160 (D)
2/10/2021			270			110	71		
2/11/2021								290	
9/7/2021	140			1500					
9/8/2021		86			79			170	150
9/9/2021			270				70		
9/10/2021						130			
2/1/2022	130	76		600	75				
2/2/2022			260				67	310	150
2/3/2022						120			
8/30/2022	139	81							
8/31/2022			248	1290	65	101	63	177	
9/2/2022									240
2/2/2023	128		249			106	77		
2/3/2023		76		377	63				174

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWC-8	ARGWA-13 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-9	ARGWA-14 (bg)	ARGWC-17
2/7/2023								144	
8/9/2023	110			1240	50				360
8/10/2023		105	234			101	50	301	
1/24/2024		107			81			304	
1/25/2024	117		240	815		97	53		219
8/20/2024	120				80				
8/21/2024		127	266	1250		119	74		235
8/22/2024								309	

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-18	ARGWC-16	ARGWC-15	ARGWA-24 (bg)
8/30/2016					
8/31/2016					
9/1/2016	100	450	240		
9/2/2016				150	
10/24/2016					
10/25/2016	65		304		
10/26/2016		404		125	
1/23/2017					
1/24/2017					
1/26/2017			170	86	
1/27/2017	86	460			
4/11/2017			260		
4/12/2017	110	430		140	
6/20/2017					
6/21/2017		430	230	120	
6/22/2017	82				
10/25/2017		380			
10/26/2017	38		170	96	
4/9/2018					
4/10/2018			260	130	
4/11/2018	50	430			
10/16/2018			140		
10/17/2018	120	470		160	
3/26/2019					
3/27/2019		430		150	
3/28/2019	82		370		
10/7/2019					
10/8/2019				130	
10/9/2019	92	420	350		
4/6/2020					
4/7/2020					
4/8/2020	82		350	130	
4/9/2020		440			
9/29/2020			340	130	
9/30/2020		390			
10/1/2020	93				
12/1/2020					120
2/9/2021	81		310	140	110
2/10/2021		460			
2/11/2021					
9/7/2021					
9/8/2021			280	150	120
9/9/2021		480			
9/10/2021	100				
2/1/2022					120
2/2/2022	96				
2/3/2022		450	400	150	
8/30/2022					
8/31/2022	69		375	125	122
9/2/2022		444			
2/2/2023	84	446	545		90
2/3/2023				117	

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/3/2024 11:22 AM View: Appendix III - Interwell

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-18	ARGWC-16	ARGWC-15	ARGWA-24 (bg)
2/7/2023					
8/9/2023	72				88
8/10/2023		444	537	142	
1/24/2024					121
1/25/2024	88	446	547	129	
8/20/2024					95
8/21/2024	90	460	601	168	
8/22/2024					

FIGURE F.

Appendix III Trend Tests - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**ARGWA-13 (bg)**	**0.08897**	**129**	**87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**ARGWA-24 (bg)**	**-0.02099**	**-28**	**-25**	**Yes**	**9**	**44.44**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**ARGWC-17**	**-0.04639**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-13 (bg)**	**47.51**	**333**	**191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-14 (bg)**	**-13.08**	**-389**	**-176**	**Yes**	**34**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-16**	**14.92**	**406**	**191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-7**	**-6.016**	**-7.905**	**-2.58**	**Yes**	**43**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-8**	**-4.099**	**-568**	**-191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-9**	**0.0742**	**330**	**184**	**Yes**	**35**	**5.714**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	ARGWA-12 (bg)	0	-31	-87	No	21	42.86	n/a	n/a	0.01	NP
Boron (mg/L)	**ARGWA-13 (bg)**	**0.08897**	**129**	**87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	ARGWA-14 (bg)	0	0	87	No	21	19.05	n/a	n/a	0.01	NP
Boron (mg/L)	**ARGWA-24 (bg)**	**-0.02099**	**-28**	**-25**	**Yes**	**9**	**44.44**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	ARGWA-3 (bg)	0	-32	-87	No	21	80.95	n/a	n/a	0.01	NP
Boron (mg/L)	ARGWA-5 (bg)	0	-63	-87	No	21	71.43	n/a	n/a	0.01	NP
Boron (mg/L)	ARGWC-18	0.02549	53	87	No	21	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-12 (bg)	-0.008528	-31	-92	No	22	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-13 (bg)	0.00465	20	92	No	22	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-14 (bg)	-0.01103	-12	-92	No	22	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-24 (bg)	-0.03536	-9	-25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-3 (bg)	0.01186	42	105	No	24	0	n/a	n/a	0.01	NP
pH (SU)	ARGWA-5 (bg)	-0.01483	-42	-105	No	24	0	n/a	n/a	0.01	NP
pH (SU)	ARGWC-16	-0.01266	-64	-105	No	24	0	n/a	n/a	0.01	NP
pH (SU)	**ARGWC-17**	**-0.04639**	**-118**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWA-12 (bg)	-0.1446	-104	-191	No	36	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**ARGWA-13 (bg)**	**47.51**	**333**	**191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-14 (bg)**	**-13.08**	**-389**	**-176**	**Yes**	**34**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWA-24 (bg)	-0.6184	-25	-25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWA-3 (bg)	0	-1.043	-2.58	No	57	31.58	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWA-5 (bg)	0	-0.6407	-2.58	No	58	31.03	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWC-10	0.001843	128	191	No	36	41.67	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWC-15	0.06364	55	191	No	36	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**ARGWC-16**	**14.92**	**406**	**191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWC-17	-1.043	-48	-176	No	34	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWC-18	0.7115	139	191	No	36	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**ARGWC-7**	**-6.016**	**-7.905**	**-2.58**	**Yes**	**43**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-8**	**-4.099**	**-568**	**-191**	**Yes**	**36**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-9**	**0.0742**	**330**	**184**	**Yes**	**35**	**5.714**	**n/a**	**n/a**	**0.01**	**NP**

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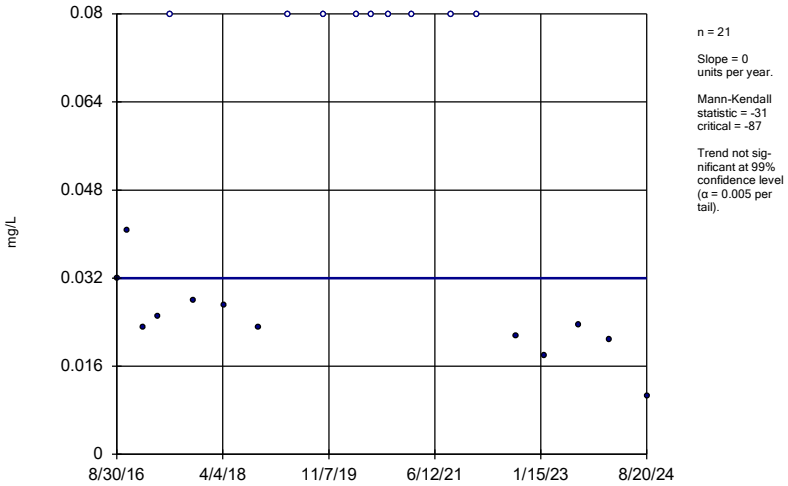
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-12 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -31
critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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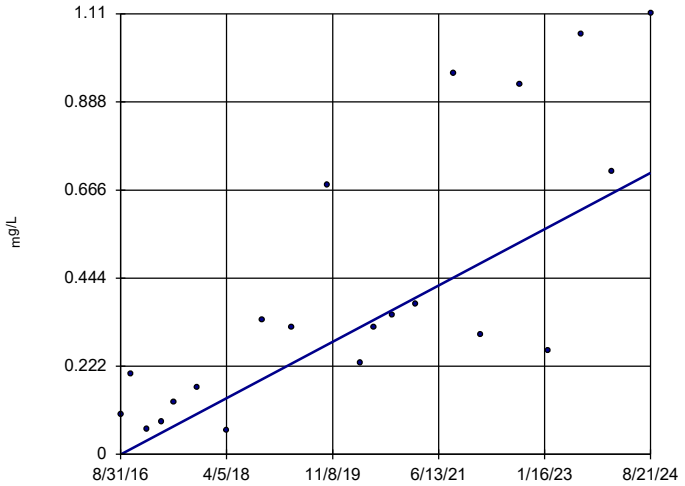
Sen's Slope Estimator

ARGWA-13 (bg)



n = 21

Slope = 0.08897 units per year.

Mann-Kendall statistic = 129
critical = 87

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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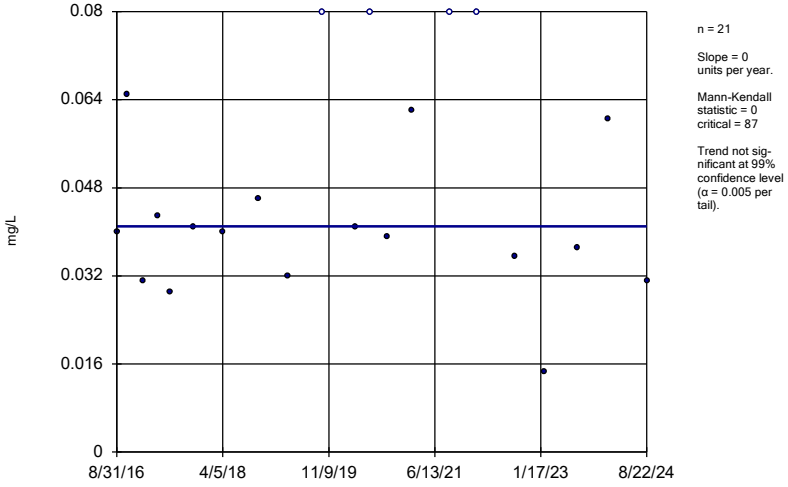
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-14 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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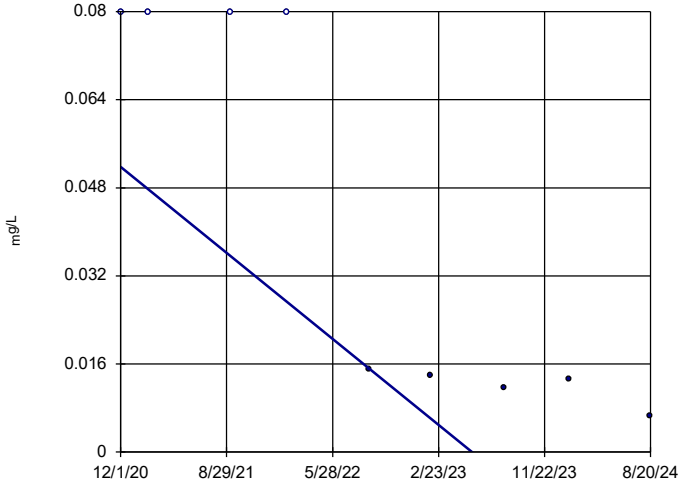
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-24 (bg)



n = 9

Slope = -0.02099 units per year.

Mann-Kendall statistic = -28
critical = -25

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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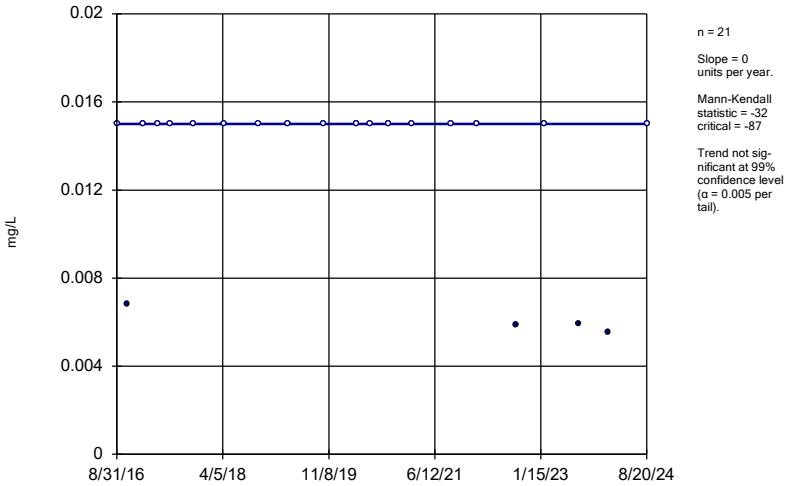
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-3 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -32 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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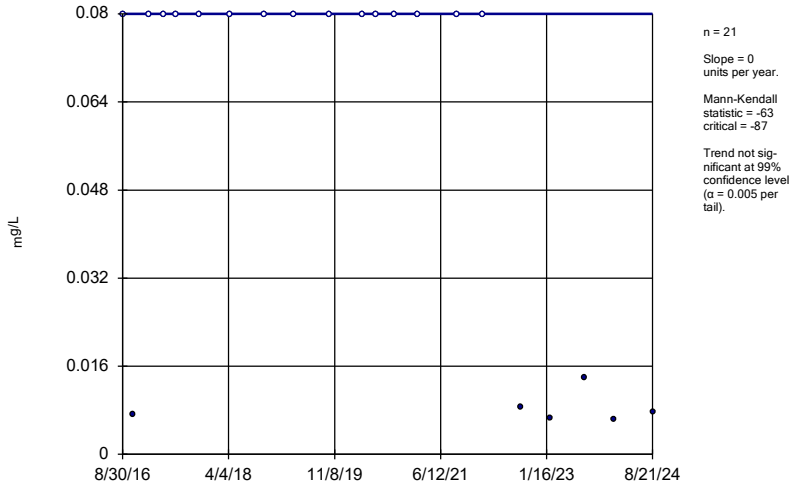
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-5 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -63 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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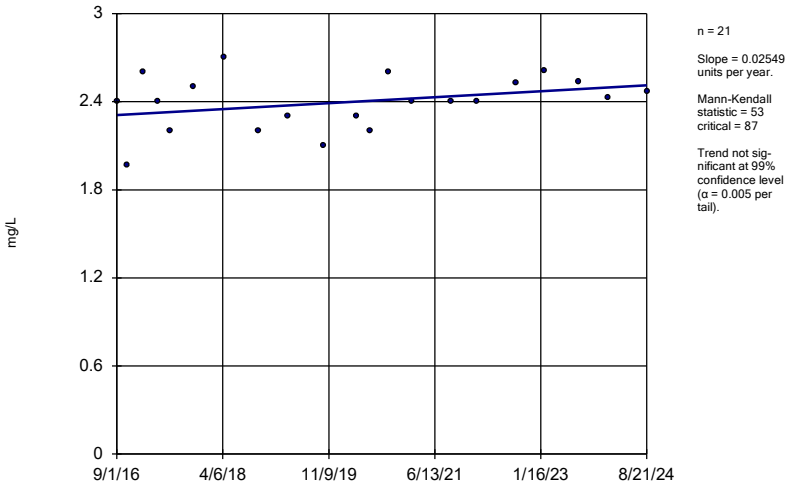
Sen's Slope Estimator

ARGWC-18



n = 21

Slope = 0.02549 units per year.

Mann-Kendall statistic = 53 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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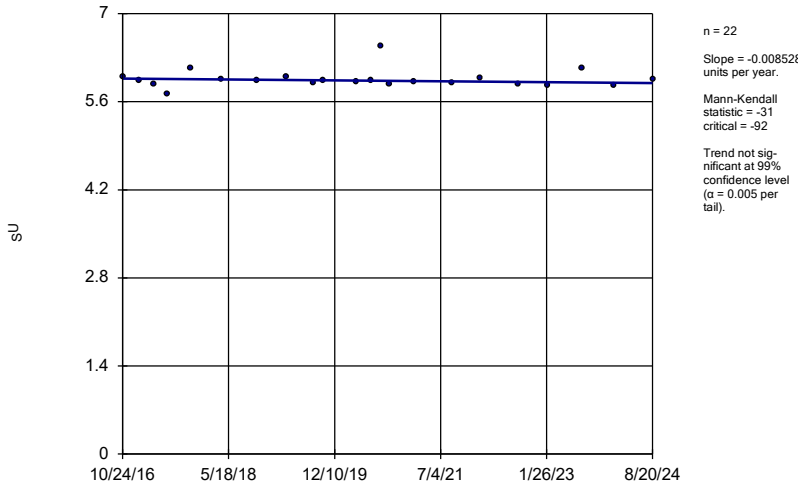
Sen's Slope Estimator

ARGWA-12 (bg)



n = 22

Slope = -0.008528 units per year.

Mann-Kendall statistic = -31 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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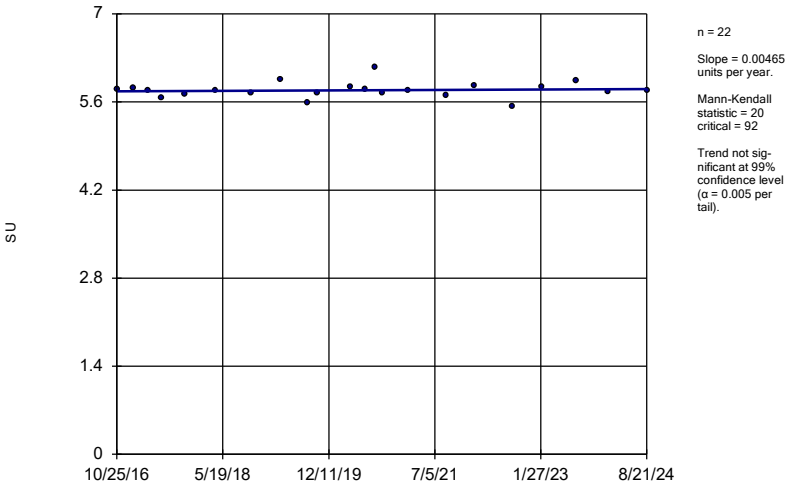
Sen's Slope Estimator

ARGWA-13 (bg)



n = 22

Slope = 0.00465 units per year.

Mann-Kendall statistic = 20 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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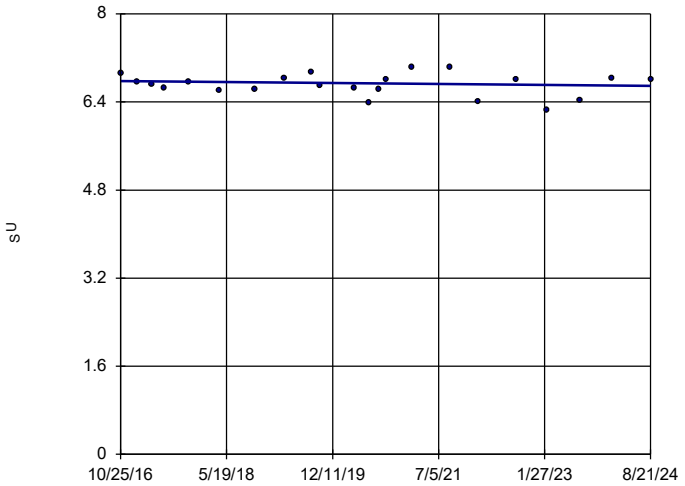
Sen's Slope Estimator

ARGWA-14 (bg)



n = 22

Slope = -0.01103 units per year.

Mann-Kendall statistic = -12 critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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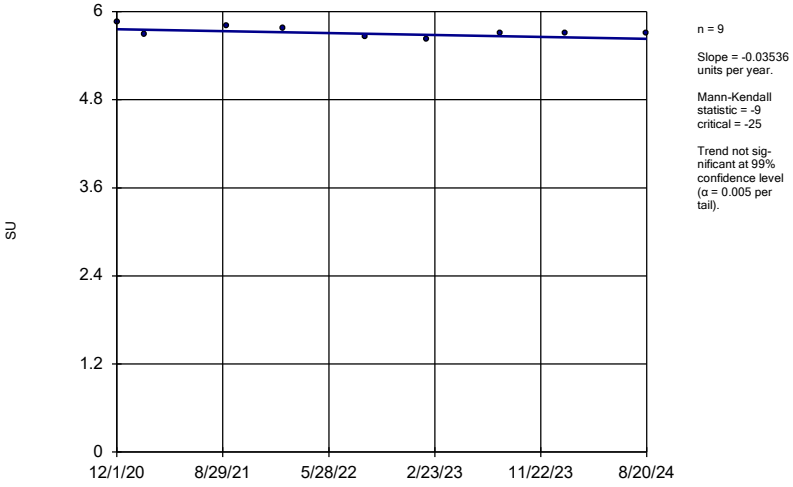
Sen's Slope Estimator

ARGWA-24 (bg)



n = 9

Slope = -0.03536 units per year.

Mann-Kendall statistic = -9 critical = -25

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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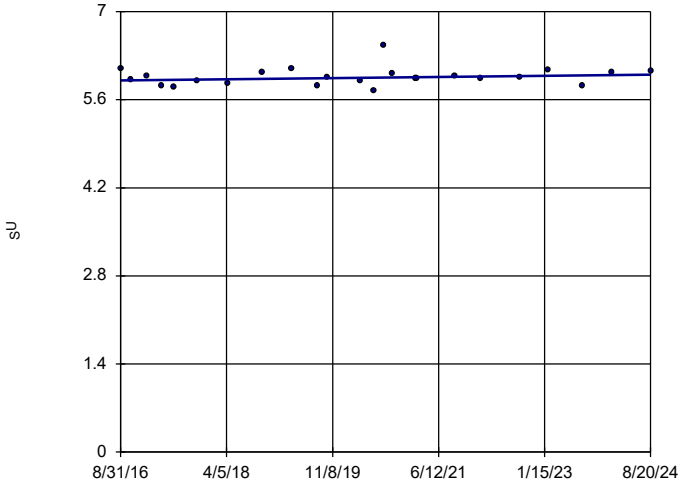
Sen's Slope Estimator

ARGWA-3 (bg)



n = 24

Slope = 0.01186 units per year.

Mann-Kendall statistic = 42 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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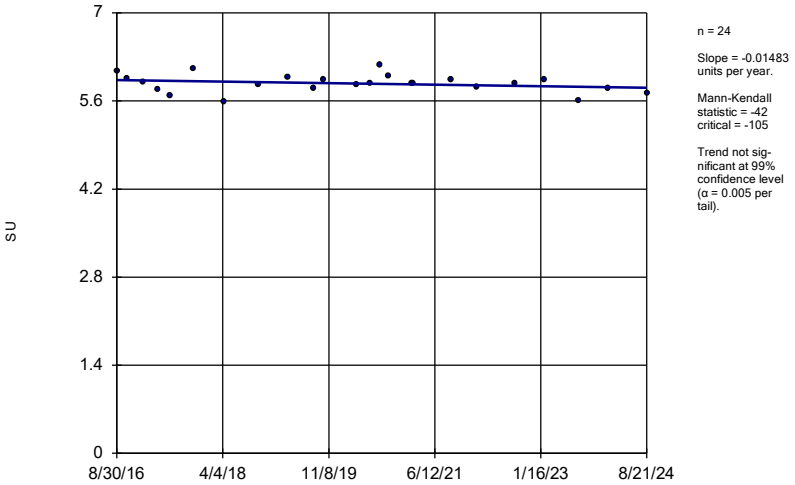
Sen's Slope Estimator

ARGWA-5 (bg)



n = 24

Slope = -0.01483 units per year.

Mann-Kendall statistic = -42 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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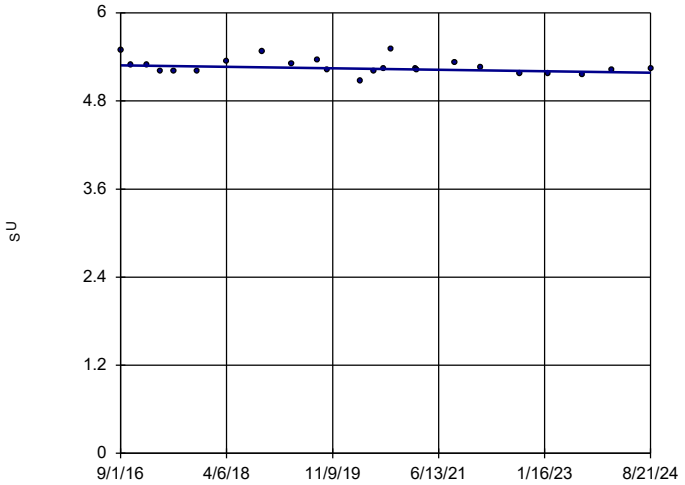
Sen's Slope Estimator

ARGWC-16



n = 24

Slope = -0.01266 units per year.

Mann-Kendall statistic = -64 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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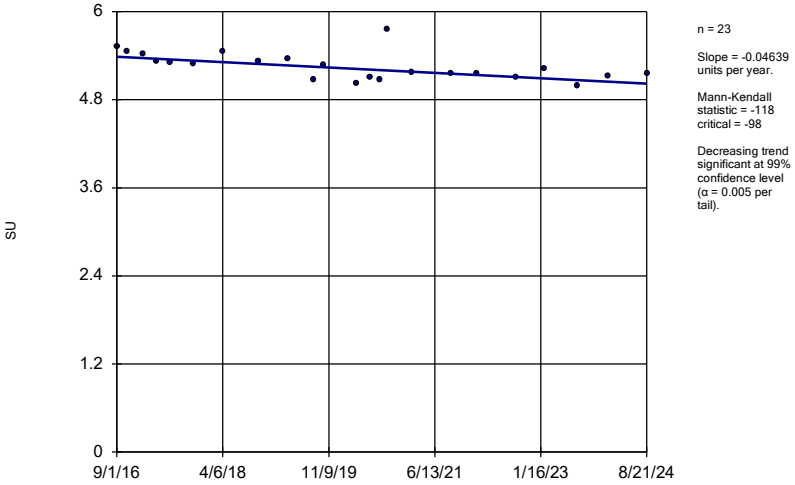
Sen's Slope Estimator

ARGWC-17



n = 23

Slope = -0.04639 units per year.

Mann-Kendall statistic = -118 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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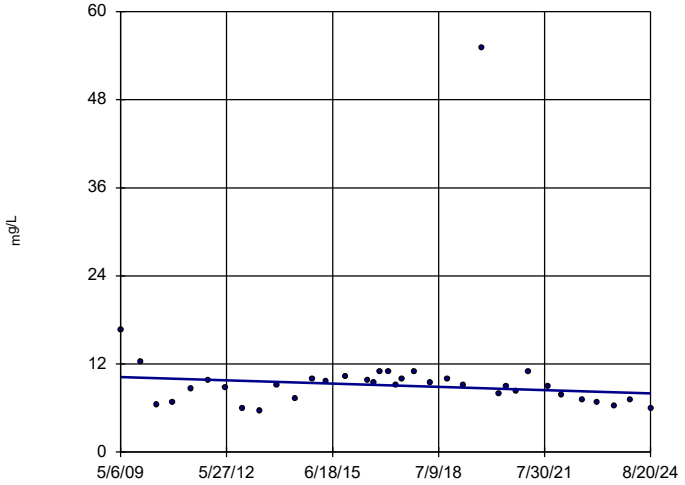
Sen's Slope Estimator

ARGWA-12 (bg)



n = 36

Slope = -0.1446 units per year.

Mann-Kendall statistic = -104 critical = -191

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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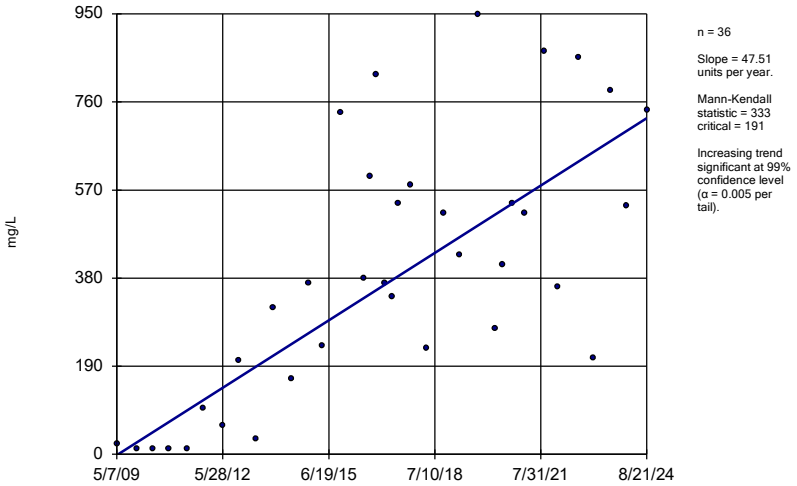
Sen's Slope Estimator

ARGWA-13 (bg)



n = 36

Slope = 47.51 units per year.

Mann-Kendall statistic = 333
critical = 191

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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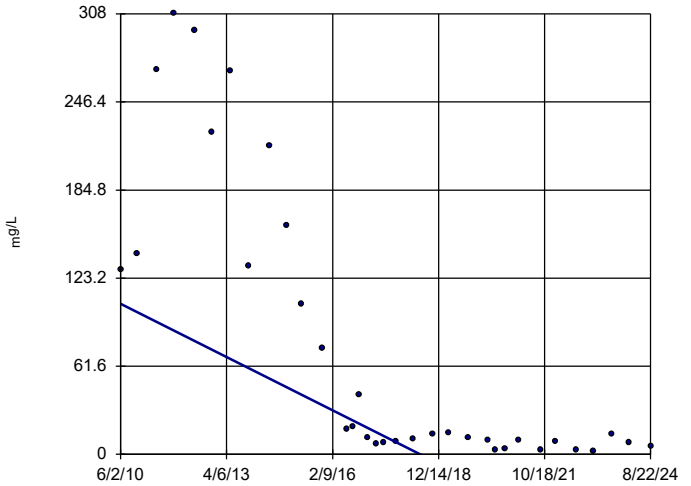
Sen's Slope Estimator

ARGWA-14 (bg)



n = 34

Slope = -13.08 units per year.

Mann-Kendall statistic = -389
critical = -176

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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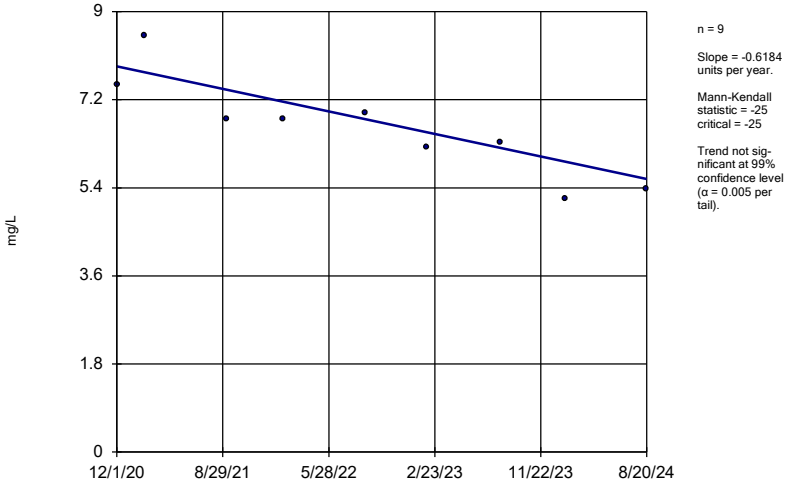
Sen's Slope Estimator

ARGWA-24 (bg)



n = 9

Slope = -0.6184 units per year.

Mann-Kendall statistic = -25
critical = -25

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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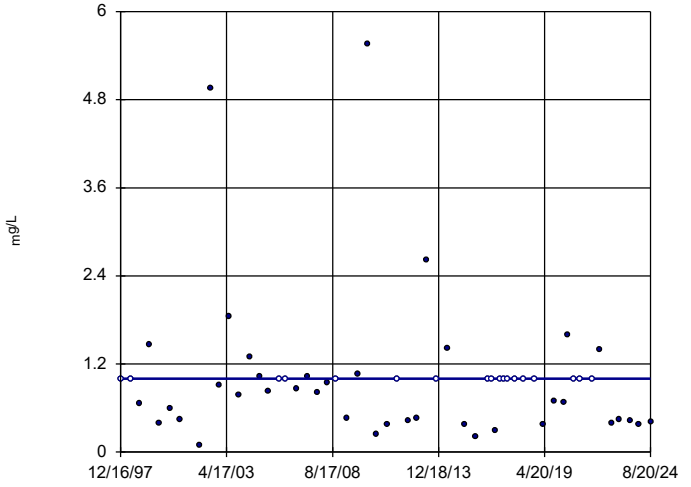
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-3 (bg)



n = 57

Slope = 0 units per year.

Mann-Kendall normal approx. = -1.043
critical = -2.58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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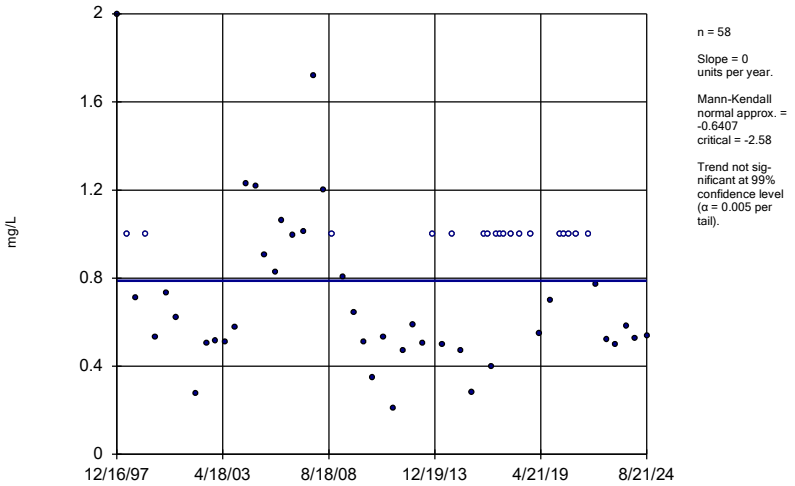
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-5 (bg)



n = 58

Slope = 0
units per year.

Mann-Kendall
normal approx. =
-0.6407
critical = -2.58

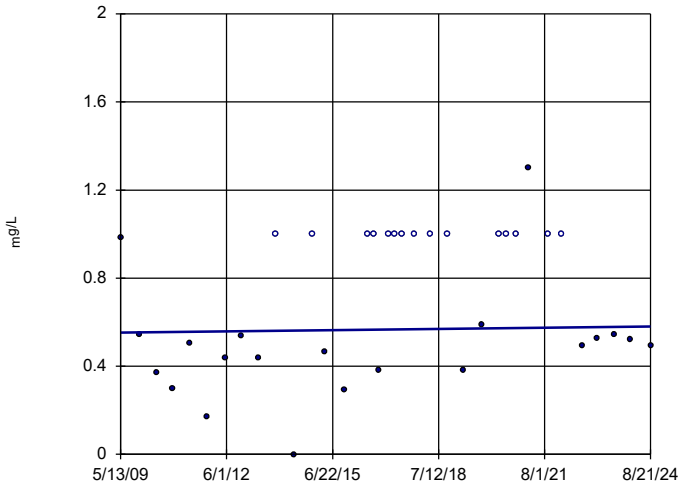
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWC-10



n = 36

Slope = 0.001843
units per year.

Mann-Kendall
statistic = 128
critical = 191

Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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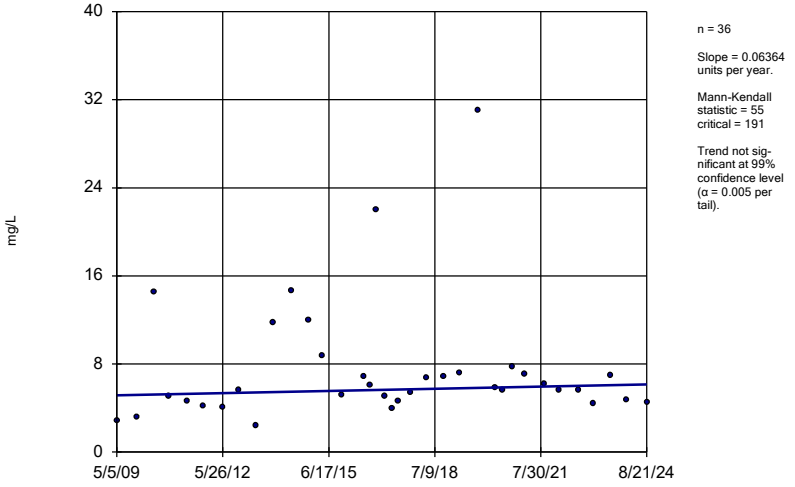
Sen's Slope Estimator

ARGWC-15



n = 36

Slope = 0.06364
units per year.

Mann-Kendall
statistic = 55
critical = 191

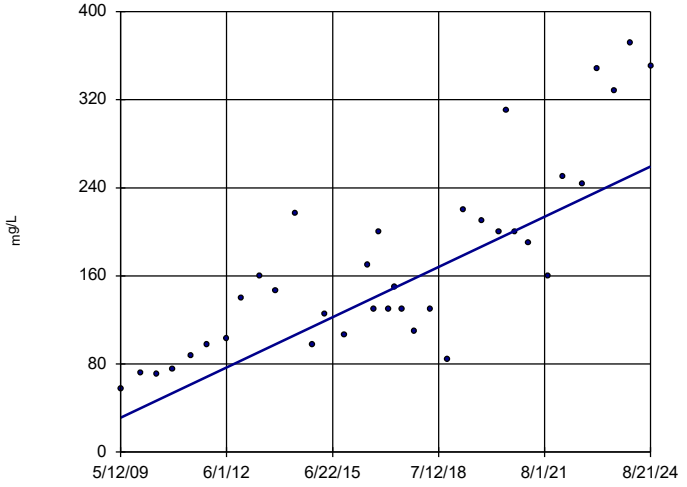
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

ARGWC-16



n = 36

Slope = 14.92
units per year.

Mann-Kendall
statistic = 406
critical = 191

Increasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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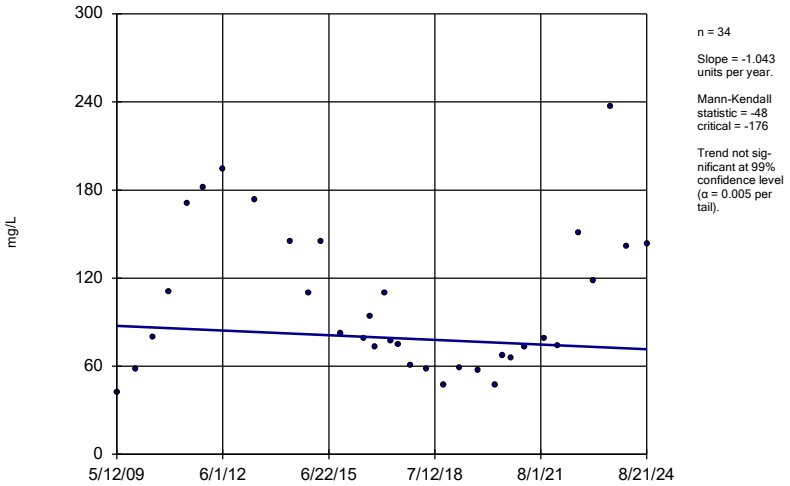
Sen's Slope Estimator

ARGWC-17



n = 34

Slope = -1.043 units per year.

Mann-Kendall statistic = -48
critical = -176

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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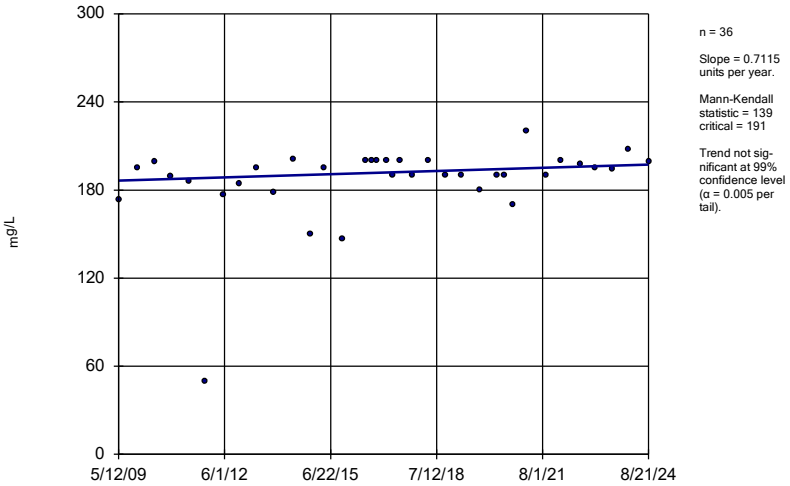
Sen's Slope Estimator

ARGWC-18



n = 36

Slope = 0.7115 units per year.

Mann-Kendall statistic = 139
critical = 191

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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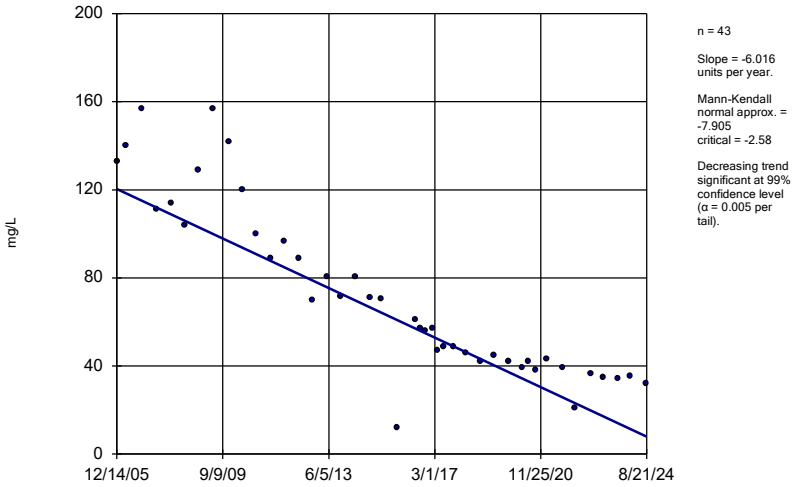
Sen's Slope Estimator

ARGWC-7



n = 43

Slope = -6.016 units per year.

Mann-Kendall normal approx. = -7.905
critical = -2.58

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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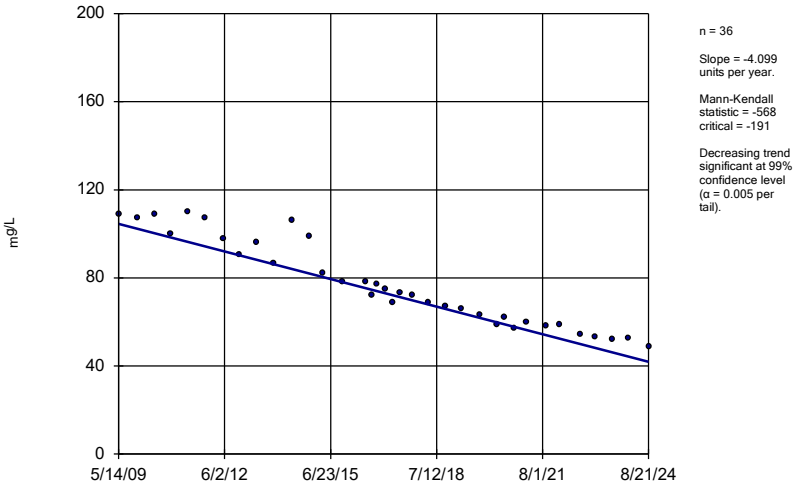
Sen's Slope Estimator

ARGWC-8



n = 36

Slope = -4.099 units per year.

Mann-Kendall statistic = -568
critical = -191

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:25 AM View: Appendix III - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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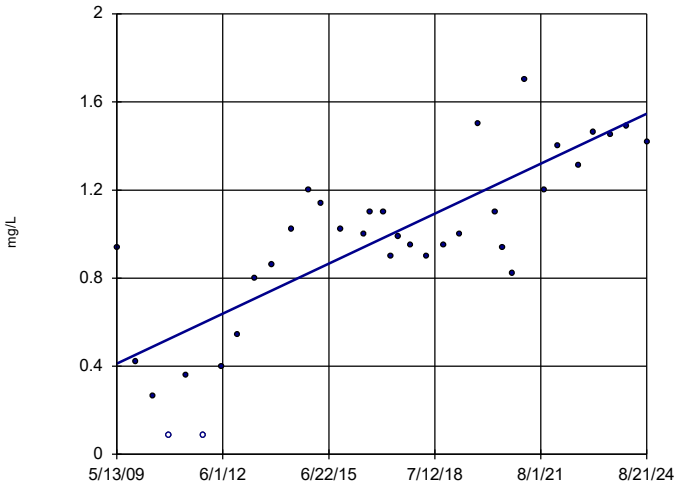
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWC-9



n = 35

Slope = 0.0742 units per year.

Mann-Kendall statistic = 330
critical = 184

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/3/2024 11:26 AM View: Appendix III - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

FIGURE G.

Upper Tolerance Limits

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:37 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	104	96.15	n/a	0.004822	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00593	n/a	n/a	n/a	235	82.13	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	n/a	0.24	n/a	n/a	n/a	232	0	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	114	97.37	n/a	0.002887	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0043	n/a	n/a	n/a	227	95.15	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0139	n/a	n/a	n/a	114	68.42	n/a	0.002887	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0058	n/a	n/a	n/a	119	81.51	n/a	0.002234	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	4.25	n/a	n/a	n/a	114	2.632	n/a	0.002887	NP Inter(normality)
Fluoride (mg/L)	n/a	0.53	n/a	n/a	n/a	124	27.42	n/a	0.001729	NP Inter(normality)
Lead (mg/L)	n/a	0.013	n/a	n/a	n/a	233	90.56	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	n/a	0.01	n/a	n/a	n/a	118	48.31	n/a	0.002352	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	99	96.97	n/a	0.006232	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.004	n/a	n/a	n/a	119	83.19	n/a	0.002234	NP Inter(NDs)
Selenium (mg/L)	n/a	0.034	n/a	n/a	n/a	235	82.55	n/a	NaN	NP Inter(NDs)
Silver (mg/L)	n/a	0.0051	n/a	n/a	n/a	203	95.07	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	n/a	0.002	n/a	n/a	n/a	114	93.86	n/a	0.002887	NP Inter(NDs)

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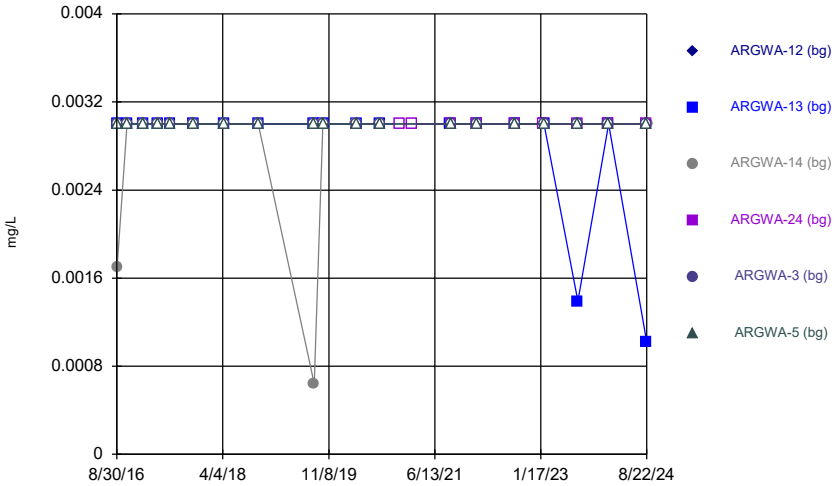
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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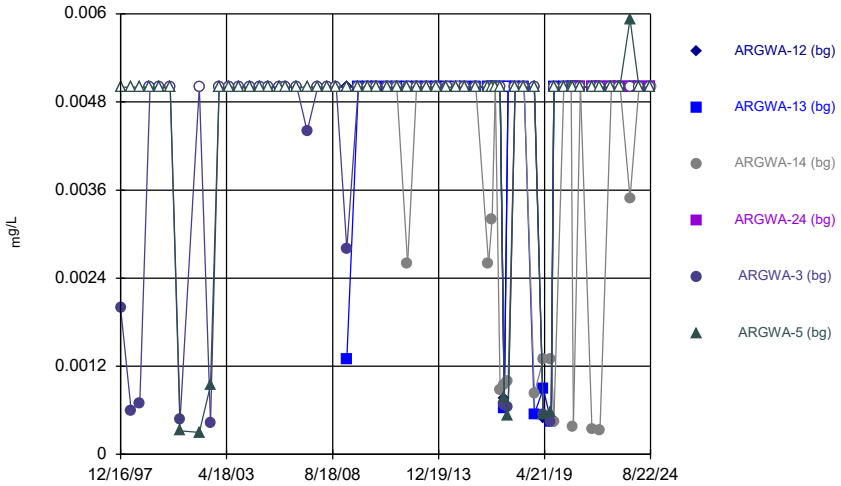
Hollow symbols indicate censored values.

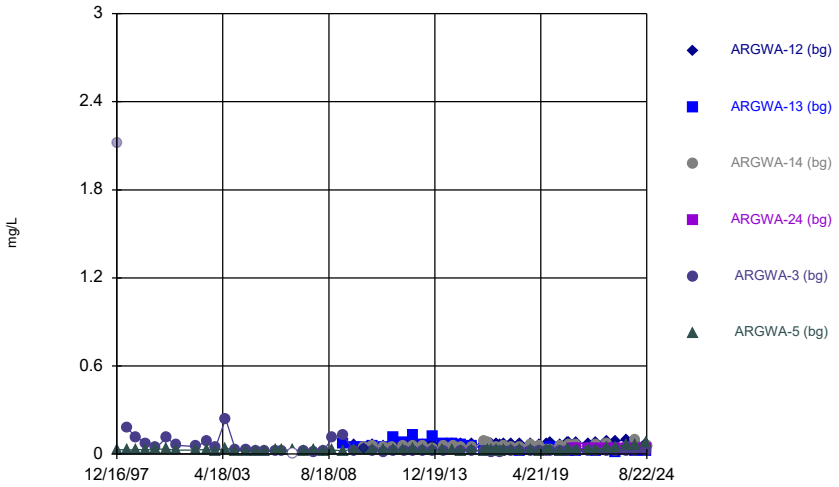
Time Series



Constituent: Arsenic Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

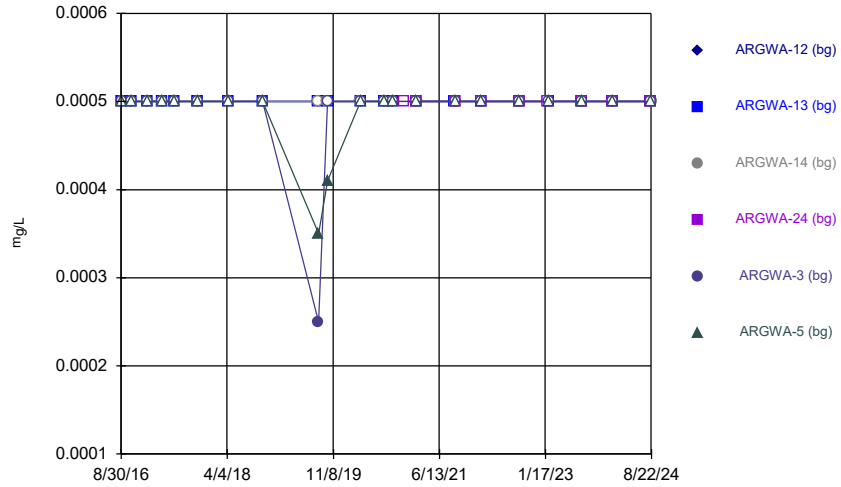
Time Series



Constituent: Barium Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

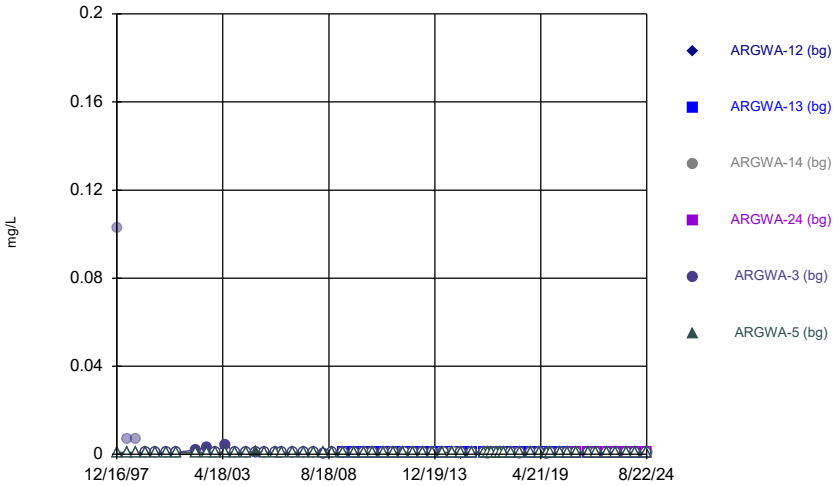
Time Series



Constituent: Beryllium Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

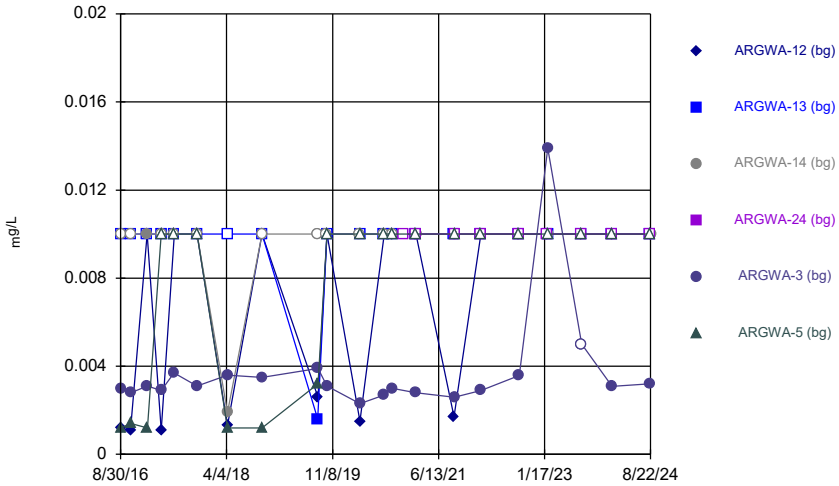
Time Series



Constituent: Cadmium Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

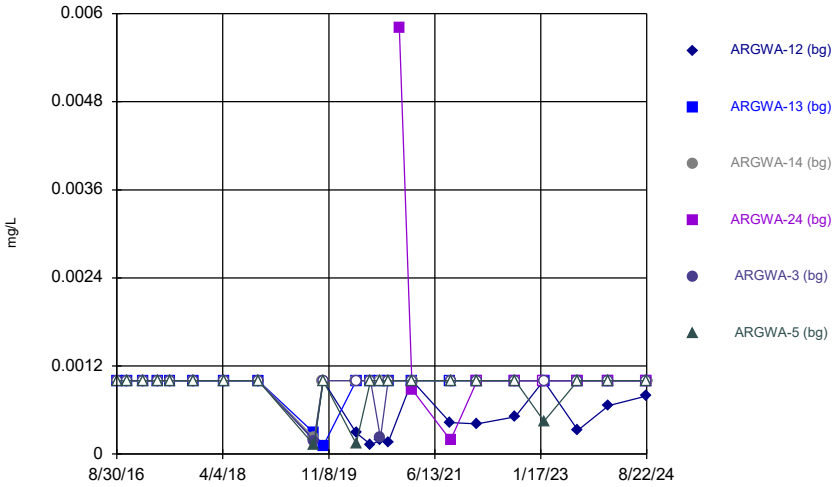
Time Series



Constituent: Chromium Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

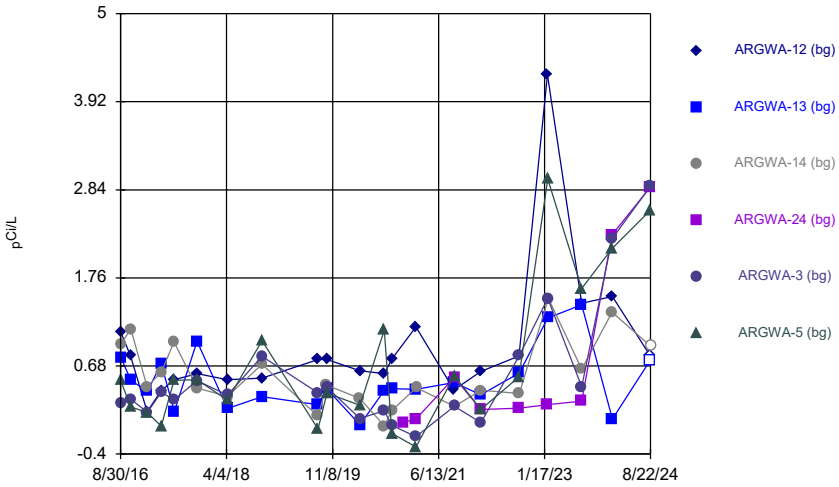
Time Series



Constituent: Cobalt Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

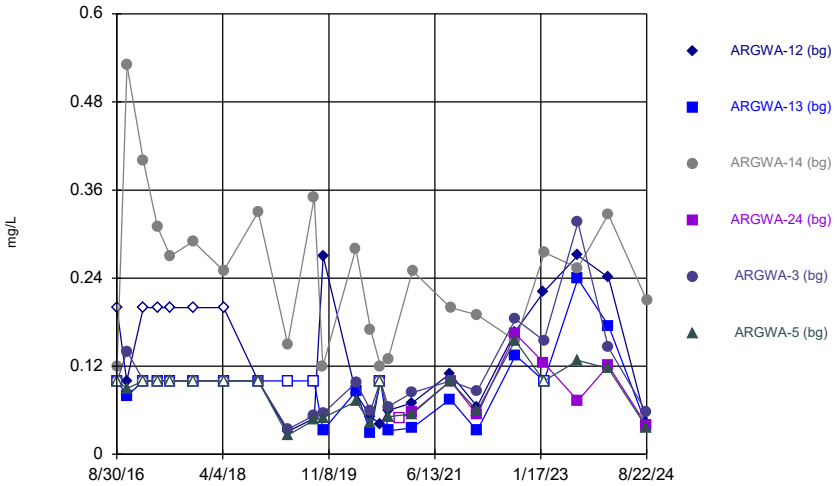
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTL
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

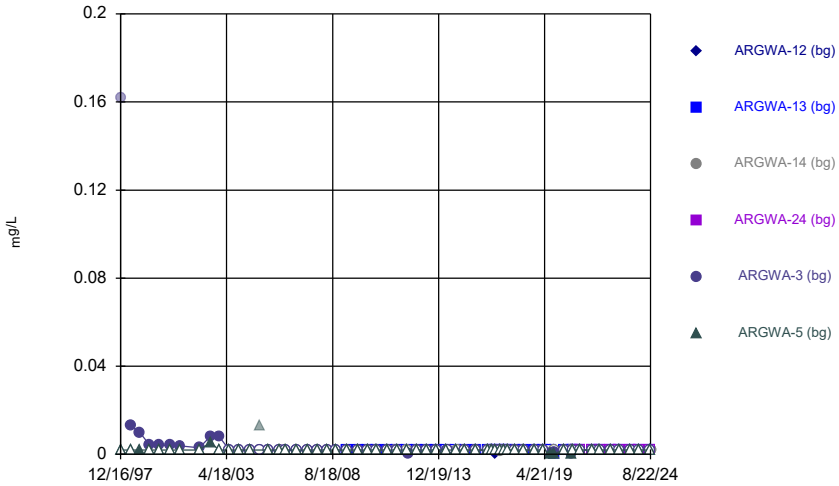
Time Series



Constituent: Fluoride Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

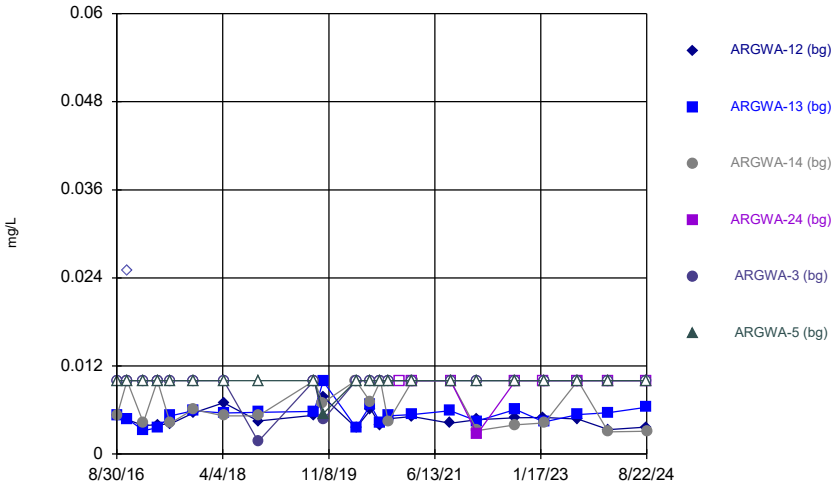
Time Series



Constituent: Lead Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

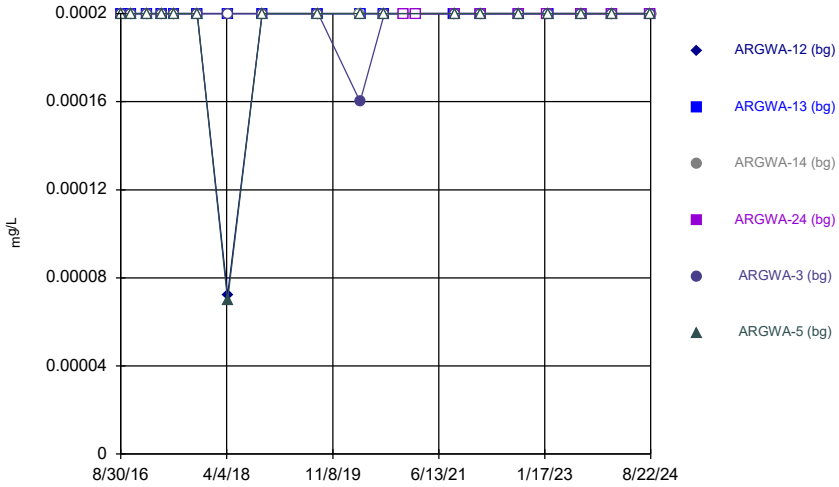
Time Series



Constituent: Lithium Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

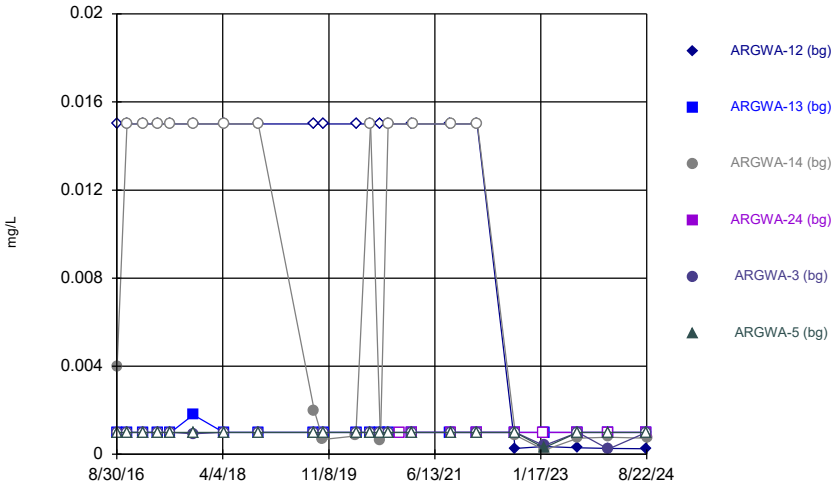
Time Series



Constituent: Mercury Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Molybdenum Analysis Run 10/3/2024 11:37 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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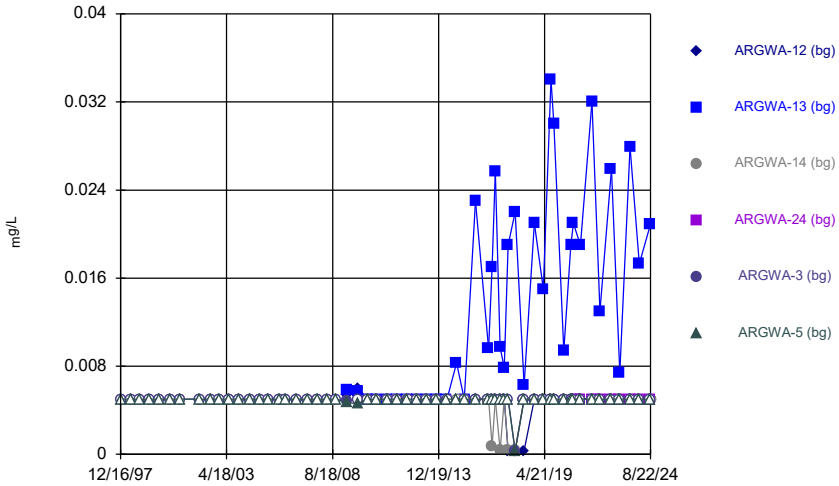
Hollow symbols indicate censored values.

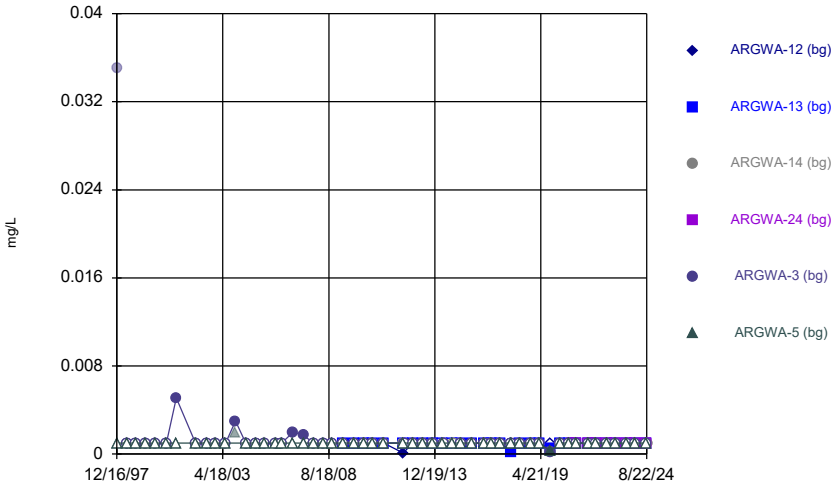
Time Series



Constituent: Selenium Analysis Run 10/3/2024 11:37 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

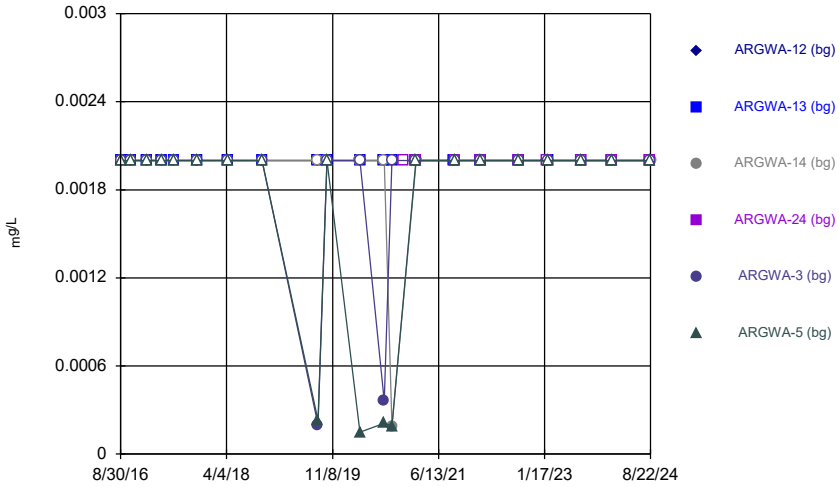
Time Series



Constituent: Silver Analysis Run 10/3/2024 11:37 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

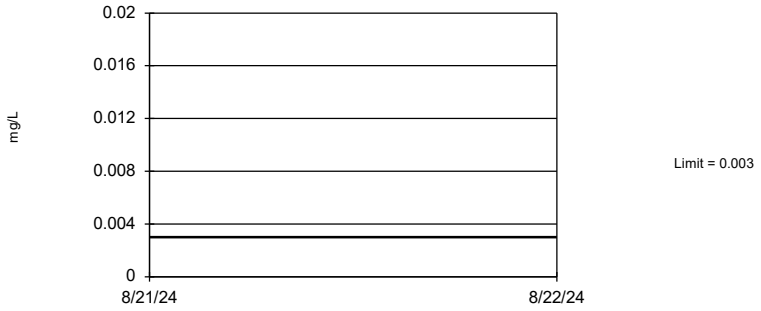


Constituent: Thallium Analysis Run 10/3/2024 11:37 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 104 background values. 96.15% NDs. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.004822.

Constituent: Antimony Analysis Run 10/3/2024 11:35 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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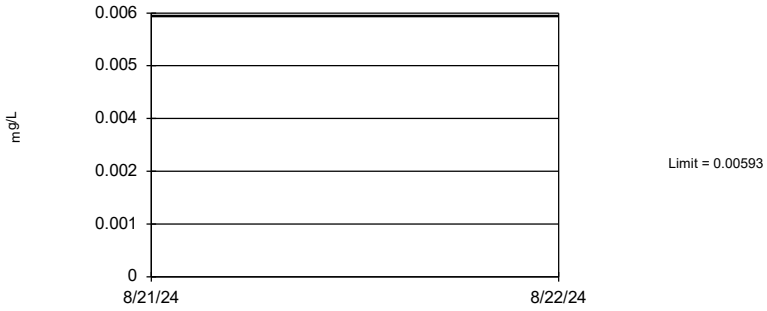
Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 235 background values. 82.13% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Arsenic Analysis Run 10/3/2024 11:35 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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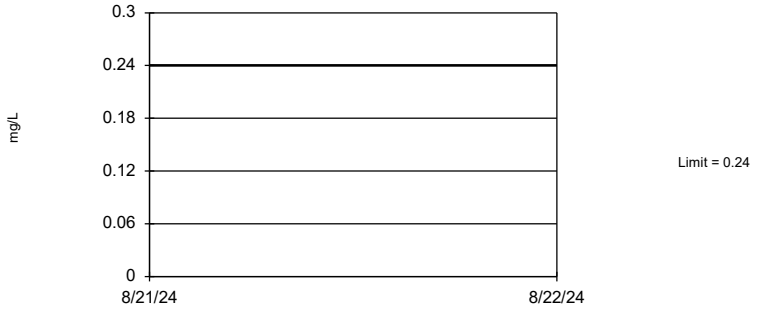
Tolerance Limit

Interwell Non-parametric



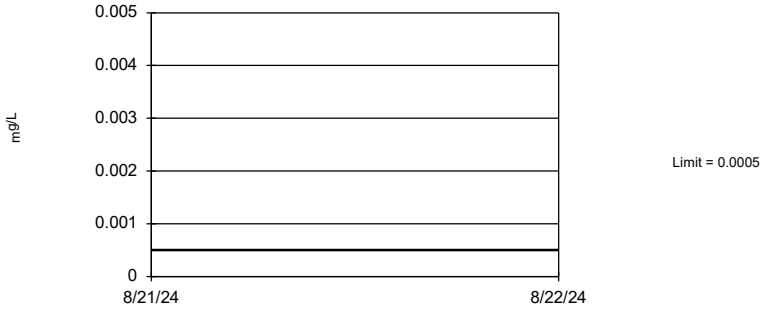
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 232 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Barium Analysis Run 10/3/2024 11:35 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



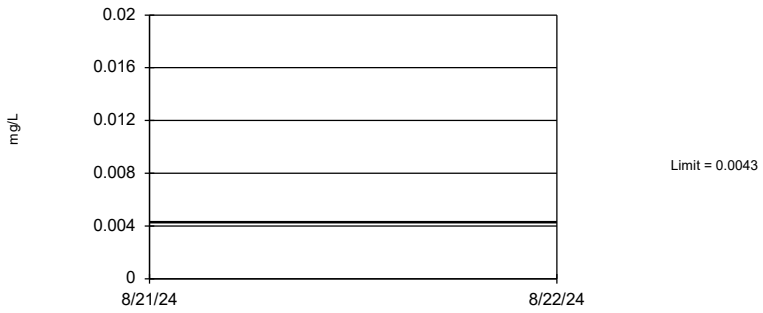
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 114 background values. 97.37% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002887.

Constituent: Beryllium Analysis Run 10/3/2024 11:35 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



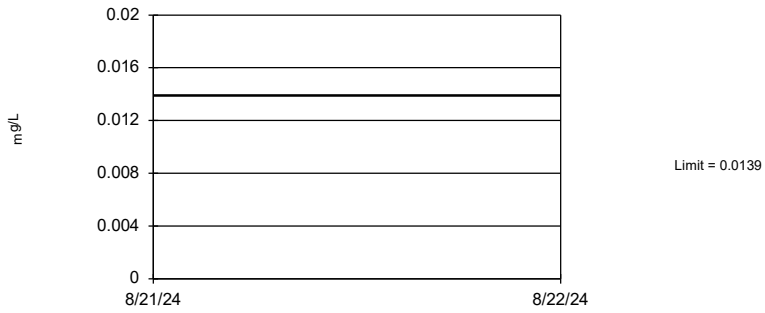
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 227 background values. 95.15% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cadmium Analysis Run 10/3/2024 11:35 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



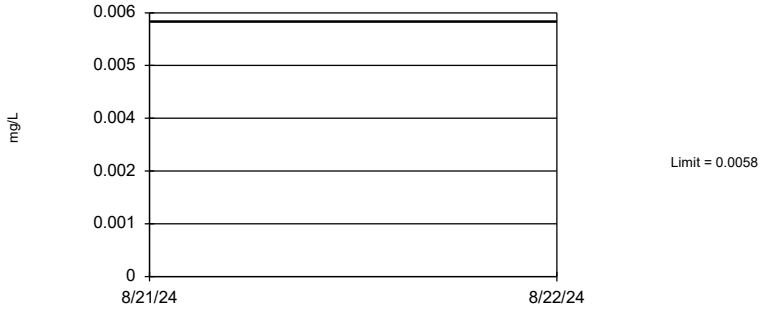
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 114 background values. 68.42% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002887.

Constituent: Chromium Analysis Run 10/3/2024 11:35 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



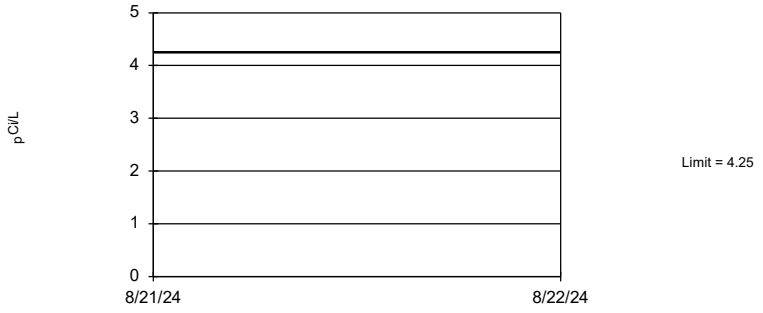
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 119 background values. 81.51% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002234.

Constituent: Cobalt Analysis Run 10/3/2024 11:35 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



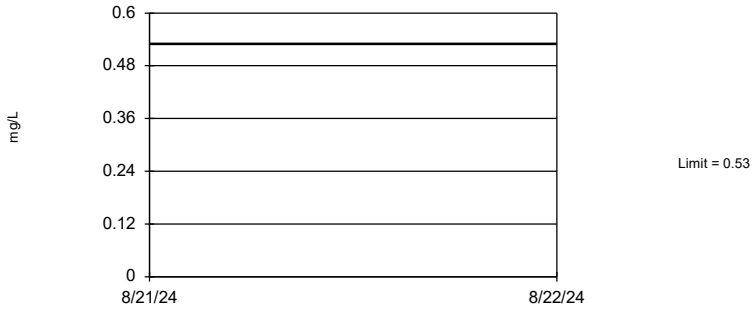
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 114 background values. 2.632% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002887.

Constituent: Combined Radium 226 + 228 Analysis Run 10/3/2024 11:35 AM View: Appendix I & IV - UTL
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 124 background values. 27.42% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.001729.

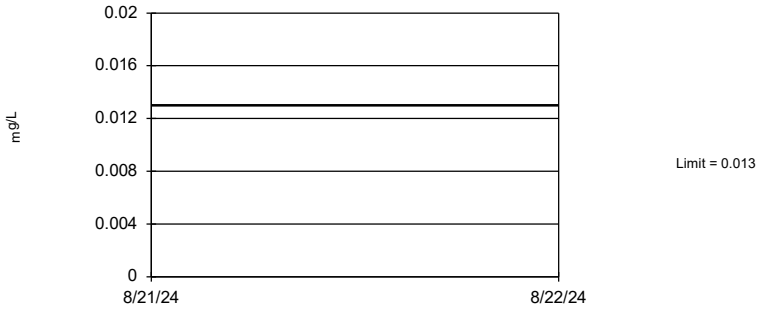
Constituent: Fluoride Analysis Run 10/3/2024 11:35 AM View: Appendix I & IV - UTLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 233 background values. 90.56% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lead Analysis Run 10/3/2024 11:35 AM View: Appendix I & IV - UTLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 118 background values. 48.31% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002352.

Constituent: Lithium Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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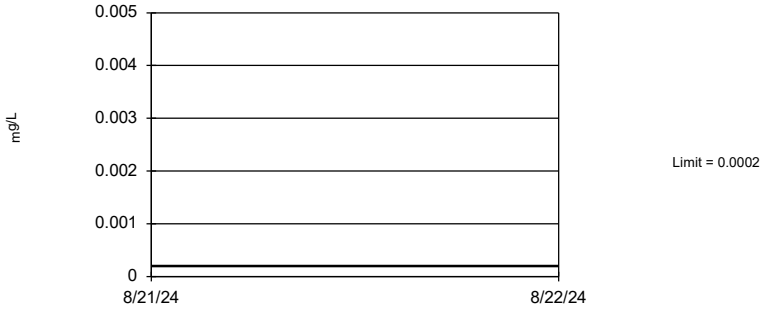
Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 99 background values. 96.97% NDs. 95.51% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.006232.

Constituent: Mercury Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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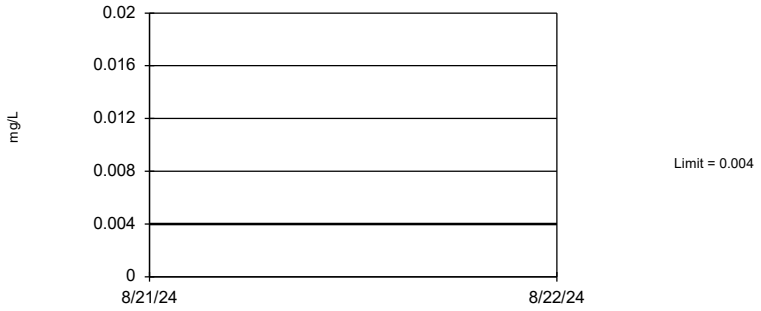
Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 119 background values. 83.19% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002234.

Constituent: Molybdenum Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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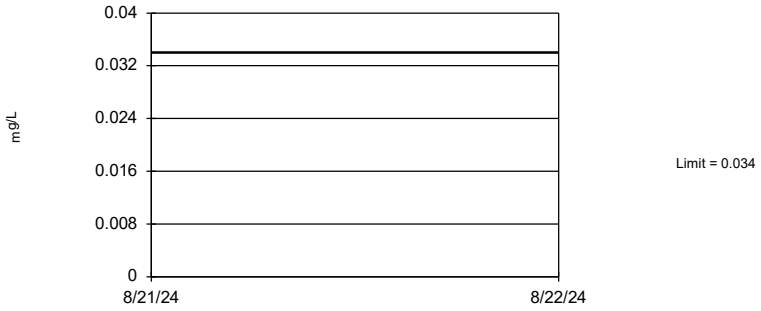
Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 235 background values. 82.55% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Selenium Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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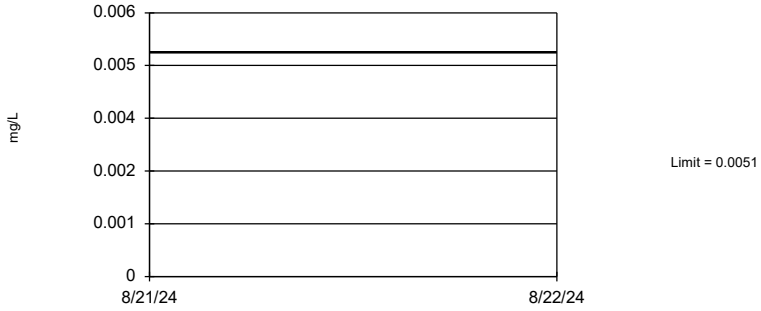
Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 203 background values. 95.07% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Silver Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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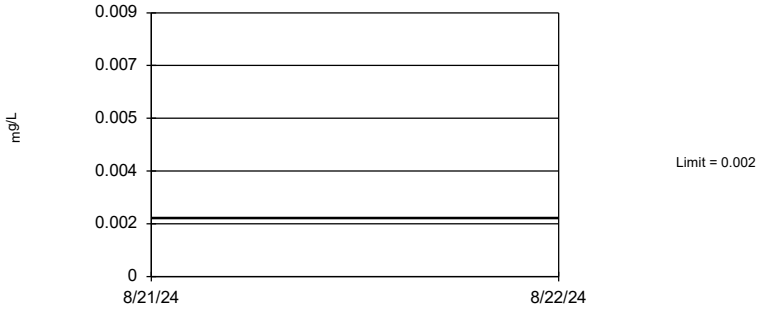
Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 114 background values. 93.86% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002887.

Constituent: Thallium Analysis Run 10/3/2024 11:36 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

FIGURE H.

PLANT ARKWRIGHT AP #3 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified Level**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.006	0.01
Barium, Total (mg/L)	2		0.24	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0043	0.005
Chromium, Total (mg/L)	0.1		0.014	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0058	0.006
Combined Radium, Total (pCi/L)	5		4.25	5
Fluoride, Total (mg/L)	4		0.53	4
Lead, Total (mg/L)	n/a	0.015	0.013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.01	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.004	0.1
Selenium, Total (mg/L)	0.05		0.034	0.05
Silver, Total (mg/L)	n/a		0.0051	0.0051
Thallium, Total (mg/L)	0.002		0.002	0.002

**MCL = Maximum Contaminant Level*

**GWPS = Groundwater Protection Standard*

**CCR = Coal Combustion Residuals*

FIGURE I.

Confidence Interval - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:52 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	**ARGWC-17**	**0.03319**	**0.02124**	**0.006**	**Yes**	**22**	**0**	**sqrt(x)**	**0.01**	**Param.**
Thallium (mg/L)	**ARAMW-4**	**0.002**	**0.002**	**0.002**	**Yes**	**10**	**90**	**No**	**0.011**	**NP (NDs)**

Confidence Interval - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:52 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	ARGWC-10	0.003	0.00094	0.006	n/a	No	19	94.74	No	0.01	NP (NDs)
Antimony (mg/L)	ARGWC-7	0.003	0.0013	0.006	n/a	No	19	94.74	No	0.01	NP (NDs)
Antimony (mg/L)	ARGWC-9	0.003	0.00048	0.006	n/a	No	19	94.74	No	0.01	NP (NDs)
Arsenic (mg/L)	ARAMW-4	0.005	0.00035	0.01	n/a	No	10	40	No	0.011	NP (normality)
Arsenic (mg/L)	ARGWC-10	0.005	0.0019	0.01	n/a	No	23	86.96	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-15	0.005	0.0024	0.01	n/a	No	23	86.96	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-16	0.005	0.00431	0.01	n/a	No	23	78.26	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-17	0.005	0.0015	0.01	n/a	No	23	73.91	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-18	0.005	0.0016	0.01	n/a	No	23	82.61	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-7	0.005	0.0048	0.01	n/a	No	23	86.96	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-8	0.005	0.00337	0.01	n/a	No	23	78.26	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-9	0.005	0.00457	0.01	n/a	No	23	86.96	No	0.01	NP (NDs)
Barium (mg/L)	ARAMW-4	0.04617	0.03298	2	n/a	No	10	0	sqrt(x)	0.01	Param.
Barium (mg/L)	ARGWC-10	0.03384	0.03116	2	n/a	No	23	0	No	0.01	Param.
Barium (mg/L)	ARGWC-15	0.037	0.029	2	n/a	No	23	0	No	0.01	NP (normality)
Barium (mg/L)	ARGWC-16	0.05164	0.04344	2	n/a	No	23	0	No	0.01	Param.
Barium (mg/L)	ARGWC-17	0.0566	0.04608	2	n/a	No	23	0	x^(1/3)	0.01	Param.
Barium (mg/L)	ARGWC-18	0.04001	0.03625	2	n/a	No	23	0	No	0.01	Param.
Barium (mg/L)	ARGWC-7	0.04567	0.03786	2	n/a	No	23	0	No	0.01	Param.
Barium (mg/L)	ARGWC-8	0.05342	0.04603	2	n/a	No	23	0	No	0.01	Param.
Barium (mg/L)	ARGWC-9	0.04615	0.04128	2	n/a	No	23	0	No	0.01	Param.
Beryllium (mg/L)	ARGWC-16	0.0005	0.00027	0.004	n/a	No	21	95.24	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-17	0.0025	0.000344	0.004	n/a	No	21	33.33	No	0.01	NP (normality)
Beryllium (mg/L)	ARGWC-18	0.0005	0.00034	0.004	n/a	No	21	95.24	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-7	0.0005	0.00041	0.004	n/a	No	21	90.48	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-8	0.0005	0.00047	0.004	n/a	No	21	95.24	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-9	0.0005	0.00037	0.004	n/a	No	21	95.24	No	0.01	NP (NDs)
Cadmium (mg/L)	ARAMW-4	0.001	0.00023	0.005	n/a	No	9	77.78	No	0.002	NP (NDs)
Cadmium (mg/L)	ARGWC-16	0.001	0.0001	0.005	n/a	No	22	95.45	No	0.01	NP (NDs)
Cadmium (mg/L)	ARGWC-17	0.001	0.000445	0.005	n/a	No	22	77.27	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-10	0.005351	0.004605	0.1	n/a	No	21	0	sqrt(x)	0.01	Param.
Chromium (mg/L)	ARGWC-15	0.01	0.0087	0.1	n/a	No	21	85.71	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-16	0.0027	0.0017	0.1	n/a	No	21	23.81	No	0.01	NP (normality)
Chromium (mg/L)	ARGWC-17	0.01	0.0021	0.1	n/a	No	21	85.71	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-7	0.00384	0.003185	0.1	n/a	No	21	4.762	No	0.01	Param.
Chromium (mg/L)	ARGWC-8	0.01	0.0017	0.1	n/a	No	21	90.48	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-9	0.009422	0.007738	0.1	n/a	No	21	0	sqrt(x)	0.01	Param.
Cobalt (mg/L)	ARAMW-4	0.005185	0.00325	0.006	n/a	No	12	0	No	0.01	Param.
Cobalt (mg/L)	ARGWC-10	0.001	0.00019	0.006	n/a	No	22	81.82	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-15	0.001579	0.0003409	0.006	n/a	No	22	40.91	ln(x)	0.01	Param.
Cobalt (mg/L)	ARGWC-16	0.001	0.00026	0.006	n/a	No	22	86.36	No	0.01	NP (NDs)
Cobalt (mg/L)	**ARGWC-17**	**0.03319**	**0.02124**	**0.006**	**n/a**	**Yes**	**22**	**0**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	ARGWC-18	0.001437	0.00114	0.006	n/a	No	22	0	No	0.01	Param.
Cobalt (mg/L)	ARGWC-7	0.001	0.00034	0.006	n/a	No	22	90.91	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-8	0.001	0.00023	0.006	n/a	No	22	63.64	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-9	0.001	0.00021	0.006	n/a	No	22	86.36	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	ARAMW-4	1.449	0.5007	5	n/a	No	10	10	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-10	0.5	0.0831	5	n/a	No	21	4.762	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-15	1.006	0.4323	5	n/a	No	21	4.762	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-16	0.712	0.227	5	n/a	No	21	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-17	1.05	0.118	5	n/a	No	21	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-18	0.693	0.331	5	n/a	No	21	4.762	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-7	0.804	0.281	5	n/a	No	21	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-8	0.618	0.218	5	n/a	No	21	4.762	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-9	0.6039	0.182	5	n/a	No	21	0	No	0.01	Param.
Fluoride (mg/L)	ARAMW-4	0.09075	0.03208	4	n/a	No	11	9.091	ln(x)	0.01	Param.
Fluoride (mg/L)	ARGWC-10	0.0857	0.04878	4	n/a	No	23	39.13	x^(1/3)	0.01	Param.
Fluoride (mg/L)	ARGWC-15	0.1536	0.08698	4	n/a	No	23	17.39	No	0.01	Param.
Fluoride (mg/L)	ARGWC-16	0.1	0.038	4	n/a	No	23	52.17	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-17	0.1	0.055	4	n/a	No	23	60.87	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-18	0.1287	0.0797	4	n/a	No	22	4.545	sqrt(x)	0.01	Param.
Fluoride (mg/L)	ARGWC-7	0.1	0.062	4	n/a	No	23	65.22	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-8	0.1721	0.119	4	n/a	No	22	0	No	0.01	Param.
Fluoride (mg/L)	ARGWC-9	0.09774	0.04561	4	n/a	No	23	39.13	sqrt(x)	0.01	Param.
Lead (mg/L)	ARGWC-10	0.031	0.00013	0.015	n/a	No	23	91.3	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-15	0.002	0.0016	0.015	n/a	No	23	73.91	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-16	0.002	0.00021	0.015	n/a	No	23	95.65	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-17	0.002	0.00022	0.015	n/a	No	23	95.65	No	0.01	NP (NDs)

Confidence Interval - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 11:52 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Lower Compl.	Sig.	N	%NDs	Transform	Alpha	Method
Lead (mg/L)	ARGWC-18	0.002	0.00031	0.015	n/a	No	23	82.61	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-8	0.002	0.00024	0.015	n/a	No	23	91.3	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-9	0.002	0.00016	0.015	n/a	No	23	95.65	No	0.01	NP (NDs)
Lithium (mg/L)	ARAMW-4	0.01438	0.01218	0.04	n/a	No	11	0	No	0.01	Param.
Lithium (mg/L)	ARGWC-10	0.01	0.0055	0.04	n/a	No	22	81.82	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-15	0.01	0.0045	0.04	n/a	No	22	72.73	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-16	0.01	0.0076	0.04	n/a	No	22	81.82	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-17	0.01	0.0071	0.04	n/a	No	22	81.82	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-18	0.0048	0.0037	0.04	n/a	No	22	9.091	No	0.01	NP (normality)
Lithium (mg/L)	ARGWC-7	0.01	0.0034	0.04	n/a	No	22	54.55	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-8	0.004068	0.003152	0.04	n/a	No	22	27.27	sqrt(x)	0.01	Param.
Lithium (mg/L)	ARGWC-9	0.01	0.0061	0.04	n/a	No	22	95.45	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-10	0.0002	0.000077	0.002	n/a	No	18	94.44	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-15	0.0002	0.000071	0.002	n/a	No	18	94.44	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-16	0.0002	0.000094	0.002	n/a	No	18	66.67	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-18	0.0002	0.000074	0.002	n/a	No	18	94.44	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-7	0.0002	0.00007	0.002	n/a	No	18	94.44	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-8	0.0002	0.000081	0.002	n/a	No	18	94.44	No	0.01	NP (NDs)
Molybdenum (mg/L)	ARAMW-4	0.001	0.000274	0.1	n/a	No	11	45.45	No	0.006	NP (normality)
Molybdenum (mg/L)	ARGWC-15	0.00212	0.00097	0.1	n/a	No	22	27.27	No	0.01	NP (normality)
Molybdenum (mg/L)	ARGWC-18	0.001	0.000288	0.1	n/a	No	22	95.45	No	0.01	NP (NDs)
Molybdenum (mg/L)	ARGWC-8	0.04328	0.0388	0.1	n/a	No	22	0	No	0.01	Param.
Selenium (mg/L)	ARAMW-4	0.005	0.00276	0.05	n/a	No	10	70	No	0.011	NP (NDs)
Selenium (mg/L)	ARGWC-10	0.005	0.0017	0.05	n/a	No	23	95.65	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-15	0.005	0.0005	0.05	n/a	No	23	86.96	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-16	0.003051	0.001596	0.05	n/a	No	23	4.348	No	0.01	Param.
Selenium (mg/L)	ARGWC-17	0.005	0.00231	0.05	n/a	No	23	91.3	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-7	0.005	0.0028	0.05	n/a	No	23	91.3	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-9	0.005	0.00029	0.05	n/a	No	23	91.3	No	0.01	NP (NDs)
Silver (mg/L)	ARGWC-15	0.001	0.00037	0.0051	n/a	No	18	88.89	No	0.01	NP (NDs)
Silver (mg/L)	ARGWC-16	0.001	0.00026	0.0051	n/a	No	18	94.44	No	0.01	NP (NDs)
Thallium (mg/L)	**ARAMW-4**	**0.002**	**0.002**	**0.002**	**n/a**	**Yes**	**10**	**90**	**No**	**0.011**	**NP (NDs)**
Thallium (mg/L)	ARGWC-15	0.002	0.000095	0.002	n/a	No	21	95.24	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-16	0.002	0.00027	0.002	n/a	No	21	85.71	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-17	0.002	0.00063	0.002	n/a	No	21	95.24	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-18	0.002	0.00028	0.002	n/a	No	21	95.24	No	0.01	NP (NDs)

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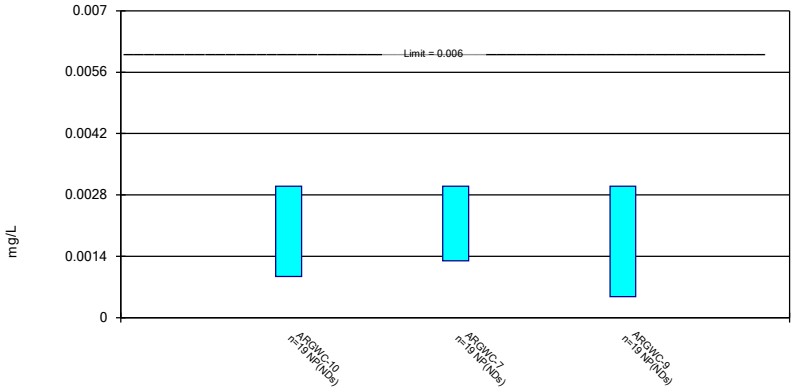
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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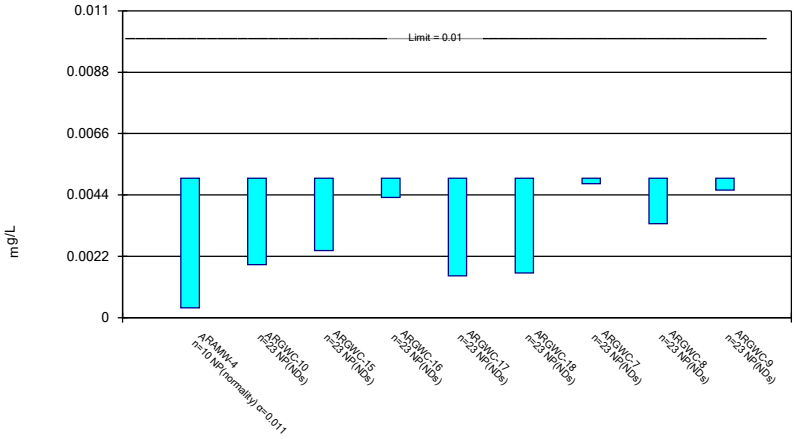
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

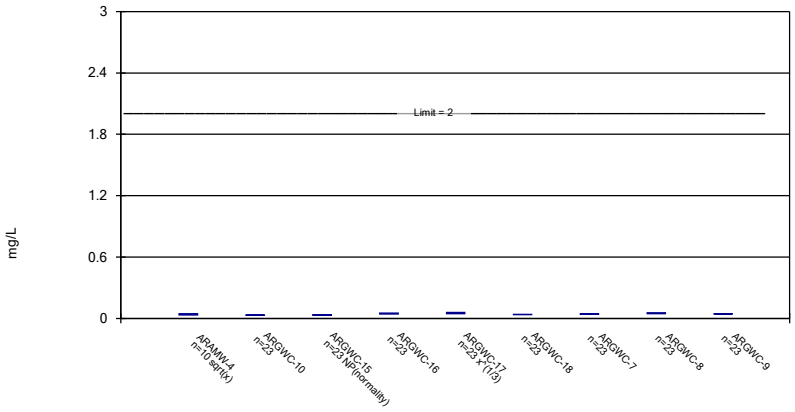


Constituent: Arsenic Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

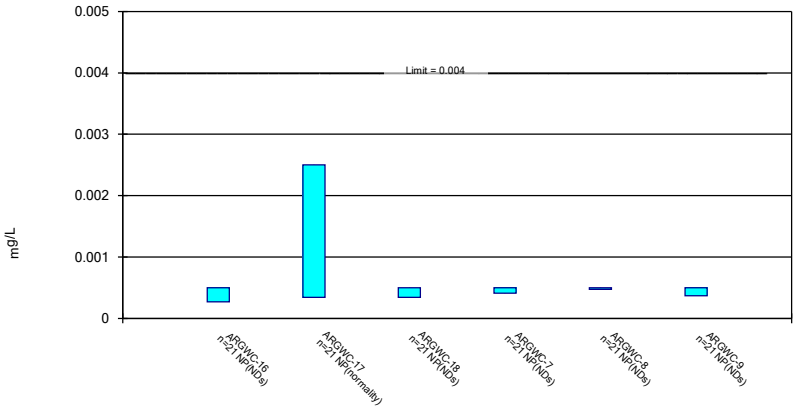


Constituent: Barium Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

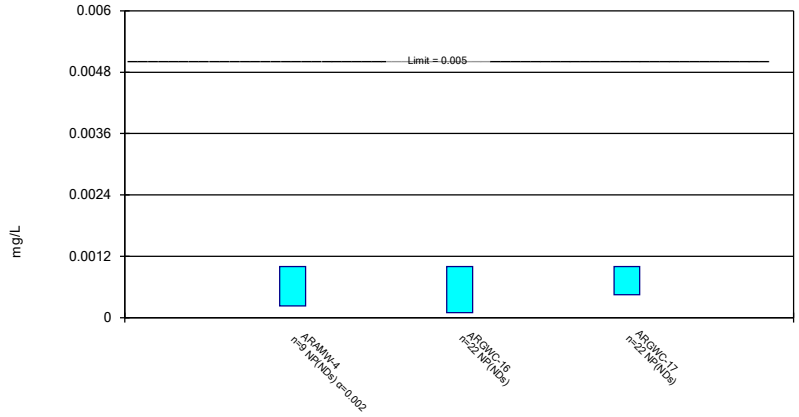


Constituent: Beryllium Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

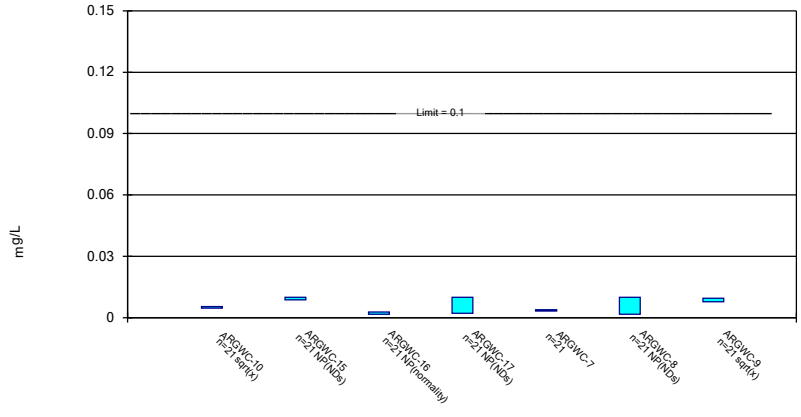


Constituent: Cadmium Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

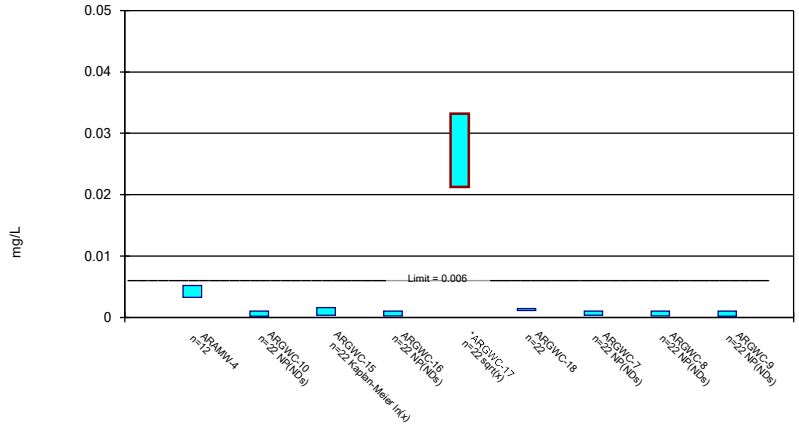


Constituent: Chromium Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

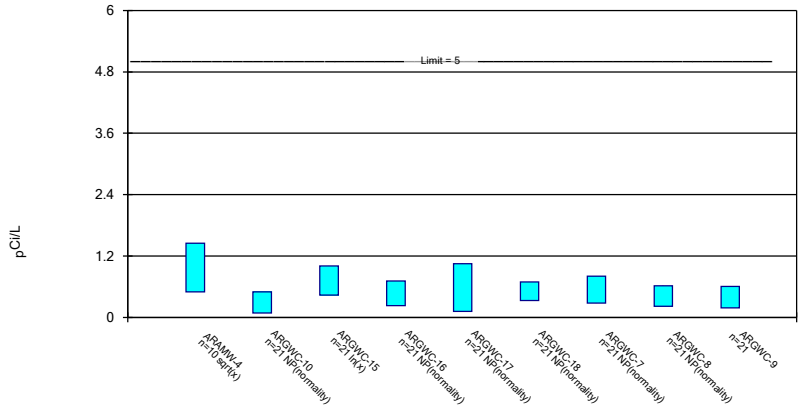


Constituent: Cobalt Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

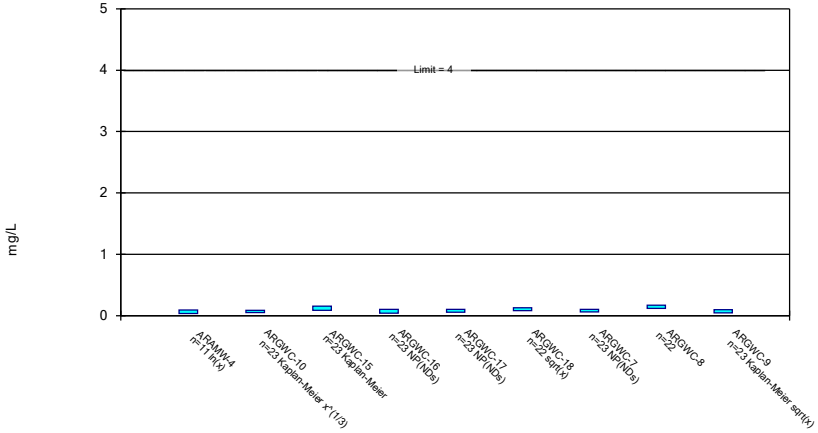


Constituent: Combined Radium 226 + 228 Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



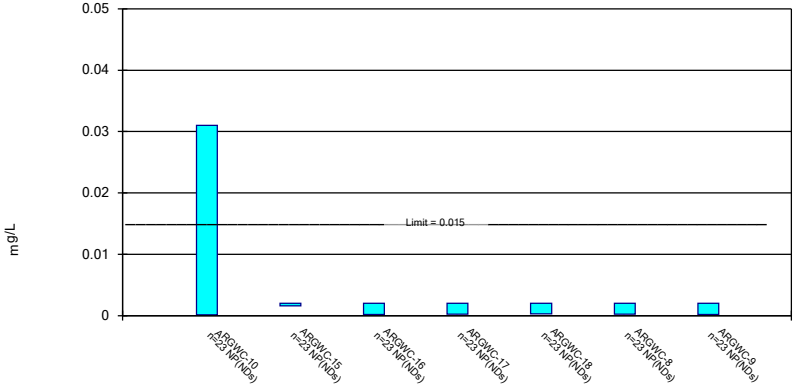
Constituent: Fluoride Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



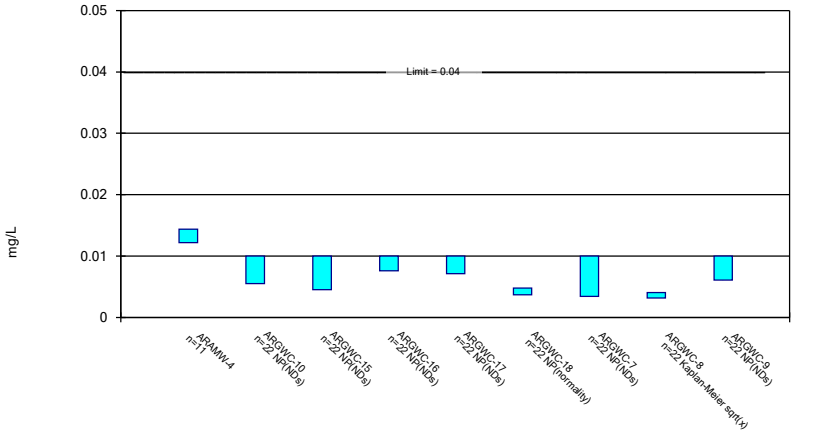
Constituent: Lead Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



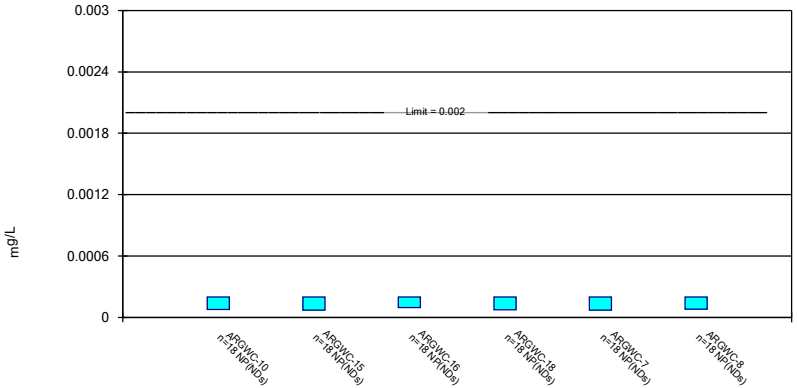
Constituent: Lithium Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



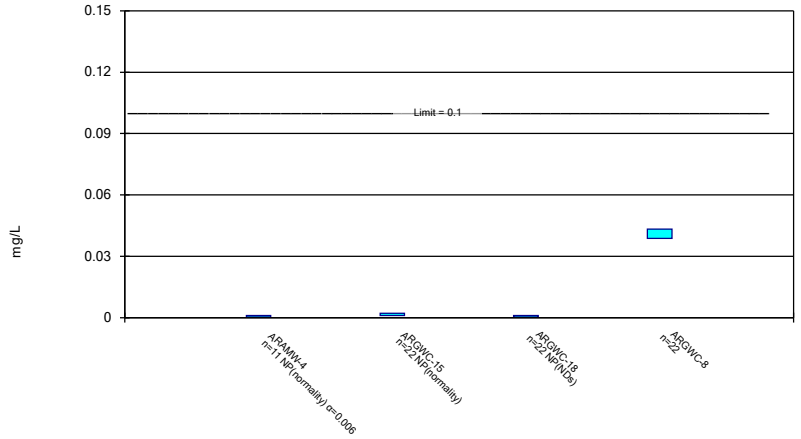
Constituent: Mercury Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

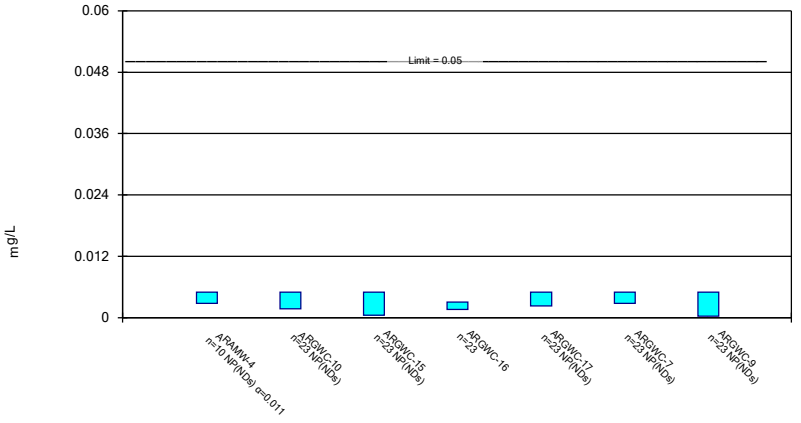


Constituent: Molybdenum Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

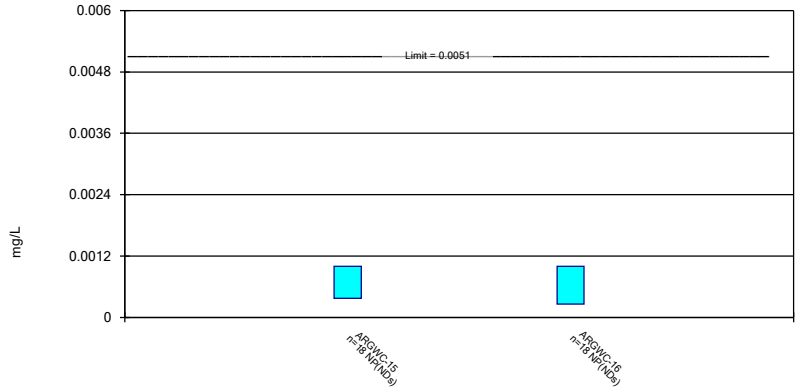


Constituent: Selenium Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

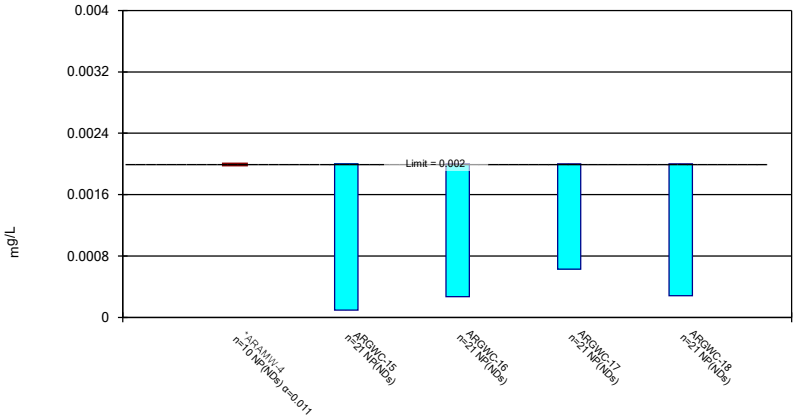


Constituent: Silver Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 10/3/2024 11:48 AM View: Appendix I & IV
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-7	ARGWC-9
8/31/2016		<0.003	<0.003
9/1/2016	<0.003		
10/25/2016	<0.003	0.0013 (J)	<0.003
1/26/2017		<0.003	<0.003
1/27/2017	<0.003		
4/12/2017	<0.003	<0.003	<0.003
6/22/2017	<0.003	<0.003	<0.003
10/25/2017		<0.003	<0.003
10/26/2017	<0.003		
4/10/2018		<0.003	
4/11/2018	<0.003		<0.003
10/17/2018	<0.003	<0.003	<0.003
8/21/2019	<0.003	<0.003	<0.003
10/9/2019	<0.003	<0.003	0.00048 (J)
4/8/2020	0.00094 (J)	<0.003	
4/9/2020			<0.003
8/18/2020		<0.003	
8/19/2020	<0.003		<0.003
9/9/2021			<0.003
9/10/2021	<0.003	<0.003	
2/2/2022	<0.003		<0.003
2/3/2022		<0.003	
8/31/2022	<0.003	<0.003	<0.003
2/2/2023	<0.003	<0.003	<0.003
8/9/2023	<0.003		
8/10/2023		<0.003	<0.003
1/25/2024	<0.003	<0.003	<0.003
8/21/2024	<0.003	<0.003	<0.003
Mean	0.002892	0.002911	0.002867
Std. Dev.	0.0004726	0.00039	0.0005781
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.00094	0.0013	0.00048

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
6/23/2016		<0.005	<0.005				<0.005	<0.005	<0.005
6/24/2016				<0.005	<0.005	<0.005			
8/31/2016							<0.005	<0.005	<0.005
9/1/2016		<0.005		<0.005	<0.005	<0.005			
9/2/2016			0.00062 (J)						
10/25/2016		<0.005		<0.005	<0.005		<0.005		<0.005
10/26/2016			<0.005			<0.005		<0.005	
1/26/2017			<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
1/27/2017		<0.005				<0.005			
4/11/2017				0.00067 (J)	0.00084 (J)				
4/12/2017		<0.005	<0.005			<0.005	0.00078 (J)	0.00072 (J)	<0.005
6/21/2017			<0.005	<0.005	<0.005	<0.005		<0.005	
6/22/2017		<0.005					<0.005		<0.005
10/25/2017						<0.005	<0.005		<0.005
10/26/2017		<0.005	<0.005	<0.005	0.00087 (J)			<0.005	
4/10/2018			<0.005	<0.005	<0.005		<0.005		
4/11/2018		<0.005				<0.005		<0.005	<0.005
10/16/2018				<0.005					
10/17/2018		<0.005	<0.005		<0.005	0.00066 (J)	<0.005	0.00063 (J)	<0.005
3/27/2019			<0.005			<0.005			
3/28/2019		0.0011 (J)		0.00057 (J)	<0.005		<0.005	<0.005	0.00051 (J)
8/20/2019				<0.005					
8/21/2019		0.0004 (J)	0.00036 (J)		0.00044 (J)	0.00033 (J)	<0.005	0.00036 (J)	<0.005
10/8/2019			<0.005						
10/9/2019		0.0019		0.001	0.0015	0.0016	0.0015	0.0014	0.0011
4/8/2020		<0.005	<0.005	<0.005	<0.005		<0.005		
4/9/2020						<0.005		<0.005	<0.005
8/18/2020					<0.005		<0.005		
8/19/2020		<0.005	<0.005	<0.005					<0.005
8/20/2020	0.00034 (J)					<0.005		<0.005	
9/29/2020			<0.005	<0.005	<0.005		<0.005		
9/30/2020	0.00039 (J)					<0.005			
10/1/2020		<0.005						<0.005	<0.005
2/9/2021		<0.005	<0.005	<0.005	<0.005				
2/10/2021	<0.005					<0.005	<0.005	<0.005	<0.005
9/8/2021	<0.005		<0.005	0.00031 (J)	0.00039 (J)				
9/9/2021						0.0004 (J)		<0.005	<0.005
9/10/2021		<0.005					<0.005		
2/2/2022	0.00035 (J)	<0.005			0.00044 (J)			<0.005	<0.005
2/3/2022			<0.005	<0.005		<0.005	<0.005		
8/31/2022		<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
9/2/2022	0.00339 (J)				<0.005	<0.005			
2/2/2023		<0.005		<0.005		<0.005	<0.005	<0.005	<0.005
2/3/2023			<0.005		<0.005				
2/7/2023	<0.005								
8/9/2023	0.00241 (J)	<0.005			<0.005				
8/10/2023			0.0024 (J)	0.00431 (J)		<0.005	0.0048 (J)	0.00337 (J)	0.00457 (J)
1/25/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/21/2024	0.00219 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mean	0.002907	0.004496	0.004495	0.004211	0.00389	0.00426	0.004656	0.004195	0.004617
Std. Dev.	0.002054	0.001351	0.001375	0.001686	0.00192	0.001662	0.001115	0.001647	0.001209
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
Lower Lim.	0.00035	0.0019	0.0024	0.00431	0.0015	0.0016	0.0048	0.00337	0.00457

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
6/23/2016		0.028	0.028				0.031	0.039	0.043
6/24/2016				0.056	0.044	0.034			
8/31/2016							0.03	0.037	0.042
9/1/2016		0.027		0.051	0.046	0.033			
9/2/2016			0.074						
10/25/2016		0.0296		0.0637	0.0436		0.0317		0.0455
10/26/2016			0.0408			0.0339		0.0423	
1/26/2017			0.038	0.055	0.051		0.035	0.046	0.048
1/27/2017		0.035				0.037			
4/11/2017				0.055	0.043				
4/12/2017		0.031	0.03			0.032	0.034	0.041	0.045
6/21/2017			0.028	0.054	0.043	0.036		0.049	
6/22/2017		0.035					0.038		0.055
10/25/2017						0.041	0.038		0.049
10/26/2017		0.032	0.029	0.046	0.038			0.046	
4/10/2018			0.032	0.056	0.046		0.038		
4/11/2018		0.034				0.04		0.048	0.052
10/16/2018				0.039					
10/17/2018		0.031	0.028		0.043	0.039	0.038	0.045	0.046
3/27/2019			0.032			0.033			
3/28/2019		0.031		0.054	0.045		0.038	0.045	0.047
8/20/2019				0.046					
8/21/2019		0.035	0.033		0.05	0.036	0.041	0.052	0.045
10/8/2019			0.031						
10/9/2019		0.031		0.057	0.049	0.039	0.046	0.049	0.041
4/8/2020		0.031	0.03	0.042	0.045		0.039		
4/9/2020						0.041		0.045	0.044
8/18/2020					0.062		0.044		
8/19/2020		0.034	0.028	0.045					0.046
8/20/2020	0.053					0.041		0.053	
9/29/2020			0.03	0.042	0.056		0.042		
9/30/2020	0.053					0.041			
10/1/2020		0.032						0.052	0.045
2/9/2021		0.031	0.029	0.044	0.051				
2/10/2021	0.042					0.038	0.041	0.049	0.038
9/8/2021	0.037		0.043	0.035	0.058				
9/9/2021						0.046		0.051	0.038
9/10/2021		0.031					0.045		
2/2/2022	0.036	0.034			0.062			0.059	0.04
2/3/2022			0.03	0.047		0.043	0.051		
8/31/2022		0.0345	0.0325	0.0383			0.0505	0.0571	0.0391
9/2/2022	0.0374				0.0727	0.0369			
2/2/2023		0.034		0.0468		0.0387	0.0518	0.0554	0.0391
2/3/2023			0.0287		0.0572				
2/7/2023	0.0364								
8/9/2023	0.0372	0.0363			0.0861				
8/10/2023			0.037	0.0381		0.0415	0.054	0.0603	0.0401
1/25/2024	0.0343	0.0373	0.0325	0.0476	0.0519	0.0404	0.0563	0.0641	0.0414
8/21/2024	0.0298	0.0328	0.039	0.0349	0.048	0.0355	0.0473	0.0585	0.0363
Mean	0.03961	0.0325	0.03407	0.04754	0.0518	0.03813	0.04177	0.04973	0.04372
Std. Dev.	0.007671	0.002563	0.009737	0.007836	0.01096	0.003595	0.007473	0.007066	0.00466
Upper Lim.	0.04617	0.03384	0.037	0.05164	0.0566	0.04001	0.04567	0.05342	0.04615

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
Lower Lim.	0.03298	0.03116	0.029	0.04344	0.04608	0.03625	0.03786	0.04603	0.04128

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016				<0.0005	<0.0005	<0.0005
9/1/2016	<0.0005	0.00034 (J)	<0.0005			
10/25/2016	<0.0005	0.0002 (J)		0.0001 (J)		<0.0005
10/26/2016			<0.0005		<0.0005	
1/26/2017	<0.0005	<0.0025		<0.0005	<0.0005	<0.0005
1/27/2017			<0.0005			
4/11/2017	<0.0005	<0.0025				
4/12/2017			<0.0005	<0.0005	<0.0005	<0.0005
6/21/2017	<0.0005	<0.0025	<0.0005		<0.0005	
6/22/2017				<0.0005		<0.0005
10/25/2017			<0.0005	<0.0005		<0.0005
10/26/2017	<0.0005	<0.0025			<0.0005	
4/10/2018	<0.0005	<0.0025		<0.0005		
4/11/2018			<0.0005		<0.0005	<0.0005
10/16/2018	<0.0005					
10/17/2018		<0.0025	<0.0005	<0.0005	<0.0005	<0.0005
8/20/2019	<0.0005					
8/21/2019		0.00025 (J)	<0.0005	<0.0005	<0.0005	<0.0005
10/9/2019	0.00027 (J)	0.00076 (J)	0.00034 (J)	0.00041 (J)	0.00047 (J)	0.00037 (J)
4/8/2020	<0.0005	0.00025 (J)		<0.0005		
4/9/2020			<0.0005		<0.0005	<0.0005
8/18/2020		0.00039 (J)		<0.0005		
8/19/2020	<0.0005					<0.0005
8/20/2020			<0.0005		<0.0005	
9/29/2020	<0.0005	0.0004 (J)		<0.0005		
9/30/2020			<0.0005			
10/1/2020					<0.0005	<0.0005
2/9/2021	<0.0005	<0.0025				
2/10/2021			<0.0005	<0.0005	<0.0005	<0.0005
9/8/2021	<0.0005	0.00037 (J)				
9/9/2021			<0.0005		<0.0005	<0.0005
9/10/2021				<0.0005		
2/2/2022		0.00051 (J)			<0.0005	<0.0005
2/3/2022	<0.0005		<0.0005	<0.0005		
8/31/2022	<0.0005			<0.0005	<0.0005	<0.0005
9/2/2022		0.000417 (J)	<0.0005			
2/2/2023	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
2/3/2023		0.00044 (J)				
8/9/2023		0.00049 (J)				
8/10/2023	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
1/25/2024	<0.0005	0.000379 (J)	<0.0005	<0.0005	<0.0005	<0.0005
8/21/2024	<0.0005	0.000344 (J)	<0.0005	<0.0005	<0.0005	<0.0005
Mean	0.000489	0.001097	0.0004924	0.0004767	0.0004986	0.0004938
Std. Dev.	5.019E-05	0.001022	3.491E-05	8.851E-05	6.547E-06	2.837E-05
Upper Lim.	0.0005	0.0025	0.0005	0.0005	0.0005	0.0005
Lower Lim.	0.00027	0.000344	0.00034	0.00041	0.00047	0.00037

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-16	ARGWC-17
6/24/2016		<0.001	<0.001
9/1/2016		<0.001	<0.001
10/25/2016		0.0001 (J)	0.0001 (J)
1/26/2017		<0.001	<0.001
4/11/2017		<0.001	<0.001
6/21/2017		<0.001	<0.001
10/26/2017		<0.001	<0.001
4/10/2018		<0.001	<0.001
10/16/2018		<0.001	
10/17/2018			<0.001
3/28/2019		<0.001	<0.001
8/20/2019		<0.001	
8/21/2019			0.00013 (J)
10/9/2019		<0.001	0.00018 (J)
4/8/2020		<0.001	<0.001
8/18/2020			<0.001
8/19/2020		<0.001	
8/20/2020	<0.001		
2/9/2021		<0.001	<0.001
2/10/2021	<0.001		
9/8/2021	<0.001	<0.001	<0.001
2/2/2022	0.00023 (J)		0.0003 (J)
2/3/2022		<0.001	
8/31/2022		<0.001	
9/2/2022	<0.001		<0.001
2/2/2023		<0.001	
2/3/2023			<0.001
2/7/2023	<0.001		
8/9/2023	<0.001		0.000445 (J)
8/10/2023		<0.001	
1/25/2024	<0.001	<0.001	<0.001
8/21/2024	0.000451 (J)	<0.001	<0.001
Mean	0.0008534	0.0009591	0.0008252
Std. Dev.	0.000296	0.0001919	0.0003356
Upper Lim.	0.001	0.001	0.001
Lower Lim.	0.00023	0.0001	0.000445

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016					0.0033	<0.01	0.011
9/1/2016	0.0038		0.0017 (J)	<0.01			
9/2/2016		0.0087					
10/25/2016	0.0042 (J)		0.0023 (J)	<0.01	0.0029 (J)		0.0109
10/26/2016		<0.01				<0.01	
1/26/2017		<0.01	0.0017 (J)	0.0016 (J)	0.0033	<0.01	0.011
1/27/2017	0.005						
4/11/2017			0.0019 (J)	0.0013 (J)			
4/12/2017	0.0048	<0.01			0.0036	<0.01	0.0096
6/21/2017		<0.01	0.0017 (J)	<0.01		<0.01	
6/22/2017	0.0047				0.0036		0.011
10/25/2017					0.0028		0.0094
10/26/2017	0.0043	<0.01	0.0013 (J)	<0.01		<0.01	
4/10/2018		<0.01	0.0019 (J)	<0.01	0.0038		
4/11/2018	0.0051					<0.01	0.01
10/16/2018			0.0013 (J)				
10/17/2018	0.0051	<0.01		<0.01	0.0036	<0.01	0.0096
8/20/2019			0.0025				
8/21/2019	0.0073	0.0017 (J)		<0.01	0.0046	0.0015 (J)	0.0097
10/8/2019		<0.01					
10/9/2019	0.006		0.0027	0.0021	0.0042	0.0017 (J)	0.0084
4/8/2020	0.0046	<0.01	0.0021	<0.01	0.0027		
4/9/2020						<0.01	0.0069
8/18/2020				<0.01	0.0031		
8/19/2020	0.0049	<0.01	0.0021				0.008
8/20/2020						<0.01	
9/29/2020		<0.01	0.002	<0.01	0.0031		
10/1/2020	0.0047					<0.01	0.0075
2/9/2021	0.0046	<0.01	0.0018 (J)	<0.01			
2/10/2021					0.003	<0.01	0.007
9/8/2021		0.0027	0.0016 (J)	<0.01			
9/9/2021						<0.01	0.0071
9/10/2021	0.0049				0.0032		
2/2/2022	0.005			<0.01		<0.01	0.0068
2/3/2022		<0.01	0.0018 (J)		0.0043		
8/31/2022	0.0055 (J)	<0.01	<0.01		0.00344 (J)	<0.01	0.00766 (J)
9/2/2022				<0.01			
2/2/2023	0.00534 (J)		<0.01		0.00353 (J)	<0.01	0.00753 (J)
2/3/2023		<0.01		<0.01			
8/9/2023	0.00473 (J)			<0.01			
8/10/2023		<0.01	<0.01		0.00353 (J)	<0.01	0.00775 (J)
1/25/2024	0.00527 (J)	<0.01	<0.01	<0.01	0.00317 (J)	<0.01	0.007 (J)
8/21/2024	0.00501 (J)	<0.01	<0.01	<0.01	<0.01	<0.01	0.00727 (J)
Mean	0.004993	0.009195	0.003829	0.00881	0.003513	0.0092	0.008624
Std. Dev.	0.0007054	0.002348	0.003551	0.002991	0.0005938	0.002527	0.001549
Upper Lim.	0.005351	0.01	0.0027	0.01	0.00384	0.01	0.009422
Lower Lim.	0.004605	0.0087	0.0017	0.0021	0.003185	0.0017	0.007738

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016							<0.001	<0.001	<0.001
9/1/2016		<0.001		<0.001	0.037	0.0014 (J)			
9/2/2016			0.03						
10/25/2016		<0.001		<0.001	0.0144		<0.001		<0.001
10/26/2016			0.0036 (J)			0.0013 (J)		<0.001	
1/26/2017			0.011	<0.001	0.022		<0.001	<0.001	<0.001
1/27/2017		<0.001				0.0021 (J)			
4/11/2017				<0.001	0.026				
4/12/2017		<0.001	<0.001			0.0015 (J)	<0.001	<0.001	<0.001
6/21/2017			<0.001	<0.001	0.027	0.0018 (J)		<0.001	
6/22/2017		<0.001					<0.001		<0.001
10/25/2017						0.0013 (J)	<0.001		<0.001
10/26/2017		<0.001	<0.001	<0.001	0.021			<0.001	
4/10/2018			0.00045 (J)	<0.001	0.021		<0.001		
4/11/2018		<0.001				0.0014 (J)		<0.001	<0.001
10/16/2018				<0.001					
10/17/2018		<0.001	<0.001		0.014	0.0012 (J)	<0.001	<0.001	<0.001
8/20/2019				0.00016 (J)					
8/21/2019		0.00017 (J)	0.00048 (J)		0.018	0.0012	8.6E-05 (J)	0.00021 (J)	<0.001
10/8/2019			0.00019 (J)						
10/9/2019		0.00019 (J)		0.00026 (J)	0.017	0.00099	0.00034 (J)	0.00041 (J)	0.00021 (J)
1/15/2020	0.0064								
4/8/2020		<0.001	0.00026 (J)	<0.001	0.016		<0.001		
4/9/2020						0.00091 (J)		0.00013 (J)	0.00015 (J)
6/23/2020		0.00013 (J)						0.00017 (J)	
6/24/2020	0.0049			0.00013 (J)	0.024	0.00115 (JD)			
6/25/2020			0.00022 (J)				<0.001		
6/26/2020									<0.001
8/18/2020					0.03		<0.001		
8/19/2020		0.00015 (J)	0.0004 (J)	<0.001					0.00013 (J)
8/20/2020	0.005					0.0014 (JD)		0.00023 (J)	
9/29/2020			0.0003 (J)	<0.001	0.027		<0.001		
9/30/2020	0.0046					0.00125 (JD)			
10/1/2020		<0.001						0.00021 (J)	<0.001
2/9/2021		<0.001	<0.001	<0.001	0.025				
2/10/2021	0.0053					0.0011 (J)	<0.001	0.00015 (J)	<0.001
9/8/2021	0.0048		0.004	<0.001	0.032				
9/9/2021						0.0016 (J)		<0.001	<0.001
9/10/2021		<0.001					<0.001		
2/2/2022	0.0042	<0.001			0.033			0.00032 (J)	<0.001
2/3/2022			<0.001	<0.001		0.0013 (J)	<0.001		
8/31/2022		<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
9/2/2022	0.00411				0.0516	0.00111			
2/2/2023		<0.001		<0.001		0.00109	<0.001	<0.001	<0.001
2/3/2023			<0.001		0.0332				
2/7/2023	0.00343								
8/9/2023	0.00337	<0.001			0.0689				
8/10/2023			0.00439	<0.001		0.0011	<0.001	<0.001	<0.001
1/25/2024	0.00251	<0.001	<0.001	<0.001	0.0319	0.00106	<0.001	<0.001	<0.001
8/21/2024	0.00199	<0.001	0.0023	<0.001	0.0256	0.00108	<0.001	<0.001	<0.001
Mean	0.004218	0.0008473	0.003027	0.0008886	0.02798	0.001288	0.0009285	0.0007195	0.0008859
Std. Dev.	0.001233	0.0003318	0.006484	0.0002876	0.01256	0.0002766	0.0002349	0.0003836	0.0002942

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
Upper Lim.	0.005185	0.001	0.001579	0.001	0.03319	0.001437	0.001	0.001	0.001
Lower Lim.	0.00325	0.00019	0.0003409	0.00026	0.02124	0.00114	0.00034	0.00023	0.00021

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016							-0.106 (U)	0.218 (U)	0.279 (U)
9/1/2016		0.153 (U)		0.568	-0.081 (U)	0.495 (U)			
9/2/2016			2.11						
10/25/2016		0.328 (U)		1.57	0.675 (U)		0.518 (U)		0.393 (U)
10/26/2016			2.45			0.606 (U)		0.335 (U)	
1/26/2017			0.276 (U)	0.255 (U)	0.18 (U)		0.37	0.345 (U)	0.0879 (U)
1/27/2017		-0.0761 (U)				0.641			
4/11/2017				0.334 (U)	0.547				
4/12/2017		0.112 (U)	0.387 (U)			-0.0936 (U)	0.316 (U)	0.37 (U)	0.219 (U)
6/21/2017			0.194 (U)	0.518	0.38	0.5		0.144 (U)	
6/22/2017		0.414					0.229 (U)		0.552
10/25/2017						0.345 (U)	0.281 (U)		0.388 (U)
10/26/2017		0.334 (U)	0.519	0.79	1.48			0.51	
4/10/2018			0.604	0.394	0.39		0.492		
4/11/2018		0.17 (U)				0.331 (U)		0.362	0.322
10/16/2018				0.0598 (U)					
10/17/2018		0.38 (U)	0.46 (U)		0.781	0.62	0.495 (U)	0.385 (U)	0.327 (U)
8/20/2019				0.227 (U)					
8/21/2019		0.352 (U)	0.491		-0.0366 (U)	0.693	0.0805 (U)	0.125 (U)	0.0554 (U)
10/8/2019			0.421 (U)						
10/9/2019		-0.38 (U)		-0.0245 (U)	0.118 (U)	0.0684 (U)	0.552	-0.164 (U)	-0.238 (U)
4/8/2020		-0.0401 (U)	0.309 (U)	0.28 (U)	0.402 (U)		0.366 (U)		
4/9/2020						0.419 (U)		0.255 (U)	0.334 (U)
8/18/2020					0.423		0.376 (U)		
8/19/2020		-0.0271 (U)	0.538	0.306 (U)					0.124 (U)
8/20/2020	0.624 (U)					0.191 (U)		0.14 (U)	
9/29/2020			0.394 (U)	-0.0246 (U)	0.175 (U)		0.334 (U)		
9/30/2020	0.532					0.0811 (U)			
10/1/2020		0.172 (U)						0.512 (U)	0.501
2/9/2021		0.163 (U)	0.669	0.46	0.332 (U)				
2/10/2021	0.932					0.568	0.412	0.384	0.515
9/8/2021	0.528		1.62	-0.108 (U)	-0.015 (U)				
9/9/2021						0.669		0.616	0.57
9/10/2021		0.0831 (U)					0.861		
2/2/2022	0.369 (U)	0.338 (U)			0.107 (U)			0.271 (U)	0.73 (U)
2/3/2022			0.609	0.712		0.503	0.12 (U)		
8/31/2022		0.5	0.51	0.493			0.804	0.618	0.0403
9/2/2022	0.947				1.75	2.67			
2/2/2023		2.32 (U)		1.31 (U)		2.04	1.76 (U)	0.844 (U)	0.0399 (U)
2/3/2023			0.376 (U)		0.751 (U)				
2/7/2023	1.16 (U)								
8/9/2023	2.55	2.22			1.05 (U)				
8/10/2023			2.75	0.34 (U)		1.65 (U)	1.27 (U)	0.68 (U)	0.492 (U)
1/25/2024	1.05 (U)	0.699 (U)	2.03	0.505 (U)	1.2 (U)	0.334 (U)	0.388 (U)	1.96	0.921 (U)
8/21/2024	<2.27	<1.96	<2.17	1.55 (D)	2.51	<2.2	2.53	<1.73	1.6 (D)
Mean	0.9827	0.4378	0.8953	0.5007	0.6247	0.6872	0.5928	0.4655	0.393
Std. Dev.	0.6178	0.6722	0.7872	0.4711	0.6585	0.6723	0.6036	0.422	0.3824
Upper Lim.	1.449	0.5	1.006	0.712	1.05	0.693	0.804	0.618	0.6039
Lower Lim.	0.5007	0.0831	0.4323	0.227	0.118	0.331	0.281	0.218	0.182

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016							<0.1	0.11 (J)	<0.1
9/1/2016		<0.1		<0.1	<0.1	0.083 (J)			
9/2/2016			0.21						
10/25/2016		0.1 (J)		0.08 (J)	0.08 (J)		0.02 (J)		0.2 (J)
10/26/2016			0.21 (J)			0.32 (o)		0.43 (o)	
1/26/2017			0.097 (J)	<0.1	<0.1		<0.1	0.13 (J)	<0.1
1/27/2017		<0.1				0.097 (J)			
4/11/2017				<0.1	<0.1				
4/12/2017		<0.1	<0.2			0.088 (J)	<0.1	0.13 (J)	<0.1
6/21/2017			<0.2	<0.1	<0.1	0.096 (J)		0.14 (J)	
6/22/2017		<0.1					<0.1		<0.1
10/25/2017						0.092 (J)	<0.1		<0.1
10/26/2017		<0.1	<0.2	<0.1	<0.1			0.13 (J)	
4/10/2018			<0.2	<0.1	<0.1		<0.1		
4/11/2018		<0.1				0.09 (J)		0.13 (J)	<0.1
10/16/2018				<0.1					
10/17/2018		<0.1	0.1 (J)		<0.1	0.11 (J)	<0.1	0.16 (J)	<0.1
3/27/2019			0.05 (J)			0.05 (J)			
3/28/2019		0.03 (J)		<0.1	<0.1		<0.1	0.089 (J)	<0.1
8/20/2019				0.033 (J)					
8/21/2019		0.047 (J)	0.1 (J)		0.031 (J)	0.079 (J)	<0.1	0.12 (J)	0.03 (J)
10/8/2019			0.33 (J)						
10/9/2019		0.053 (J)		0.031 (J)	0.03 (J)	0.068 (J)	0.032 (J)	0.085 (J)	0.038 (J)
4/8/2020		0.071 (J)	0.12	0.051 (J)	0.053 (J)		0.062 (J)		
4/9/2020						0.11		0.16	0.066 (J)
6/23/2020		0.04 (J)						0.12	
6/24/2020	0.041 (J)			0.038 (J)	<0.1	0.094 (J)			
6/25/2020			0.067 (J)				<0.1		
6/26/2020									0.027 (J)
8/18/2020					<0.1		<0.1		
8/19/2020		<0.1	0.081 (J)	<0.1					<0.1
8/20/2020	<0.1					<0.1		0.054 (J)	
9/29/2020			0.089 (J)	0.026 (J)	0.029 (J)		0.027 (J)		
9/30/2020	0.028 (J)					0.082 (J)			
10/1/2020		0.048 (J)						0.14	0.041 (J)
2/9/2021		0.051 (J)	0.094 (J)	0.056 (J)	<0.1				
2/10/2021	0.028 (J)					0.12	0.033 (J)	0.17	0.051 (J)
9/8/2021	0.034 (J)		0.15	0.044 (J)	0.055 (J)				
9/9/2021						0.17		0.18	0.06 (J)
9/10/2021		0.067 (J)					0.032 (J)		
2/2/2022	0.055 (J)	0.063 (J)			0.028 (J)			0.19	0.043 (J)
2/3/2022			0.068 (J)	0.027 (J)		0.078 (J)	0.074 (J)		
8/31/2022		<0.1	0.169	<0.1			<0.1	0.172	0.147
9/2/2022	0.059 (J)				0.082 (J)	0.141			
2/2/2023		0.134		<0.1		0.176	<0.1	0.217	0.182
2/3/2023			0.136 (J)		<0.1				
2/7/2023	0.038 (J)								
8/9/2023	0.23	0.111			0.137				
8/10/2023			0.131	0.0335 (J)		0.129	<0.1	0.141	0.079 (J)
1/25/2024	0.105	0.252	0.225	0.153	<0.1	0.296	0.193	0.295	0.222
8/21/2024	0.0693 (J)	0.063 (J)	0.0719 (J)	<0.1	<0.1	0.0683 (J)	<0.1	0.139	0.0405 (J)
Mean	0.06703	0.08826	0.1434	0.07707	0.0837	0.1076	0.08578	0.1455	0.09246

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
Std. Dev.	0.05845	0.04498	0.06915	0.03497	0.03023	0.0534	0.03789	0.04939	0.05328
Upper Lim.	0.09075	0.0857	0.1536	0.1	0.1	0.1287	0.1	0.1721	0.09774
Lower Lim.	0.03208	0.04878	0.08698	0.038	0.055	0.0797	0.062	0.119	0.04561

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-8	ARGWC-9
6/23/2016	<0.002	<0.002				<0.002	<0.002
6/24/2016			<0.002	<0.002	<0.002		
8/31/2016						<0.002	<0.002
9/1/2016	<0.002		<0.002	<0.002	<0.002		
9/2/2016		0.0056					
10/25/2016	<0.002		<0.002	<0.002			<0.002
10/26/2016		0.0003 (J)			0.0002 (J)	<0.002	
1/26/2017		<0.002	<0.002	<0.002		<0.002	<0.002
1/27/2017	<0.002				<0.002		
4/11/2017			<0.002	<0.002			
4/12/2017	<0.002	<0.002			<0.002	<0.002	<0.002
6/21/2017		<0.002	<0.002	<0.002	<0.002	<0.002	
6/22/2017	<0.002						<0.002
10/25/2017					<0.002		<0.002
10/26/2017	<0.002	<0.002	<0.002	<0.002		<0.002	
4/10/2018		<0.002	<0.002	<0.002			
4/11/2018	<0.002				<0.002	<0.002	<0.002
10/16/2018			<0.002				
10/17/2018	<0.002	0.0016		<0.002	<0.002	<0.002	<0.002
3/27/2019		<0.002			<0.002		
3/28/2019	<0.002		<0.002	<0.002		<0.002	<0.002
8/20/2019			<0.002				
8/21/2019	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
10/8/2019		<0.002					
10/9/2019	<0.002		<0.002	<0.002	<0.002	0.00019 (J)	0.00016 (J)
4/8/2020	0.031	<0.002	<0.002	<0.002			
4/9/2020					<0.002	<0.002	<0.002
8/18/2020				<0.002			
8/19/2020	0.00013 (J)	<0.002	<0.002				<0.002
8/20/2020					0.00028 (J)	<0.002	
9/29/2020		<0.002	<0.002	<0.002			
9/30/2020					0.0002 (J)		
10/1/2020	<0.002					<0.002	<0.002
2/9/2021	<0.002	<0.002	<0.002	<0.002			
2/10/2021					<0.002	<0.002	<0.002
9/8/2021		0.0016	<0.002	0.00022 (J)			
9/9/2021					0.00031 (J)	<0.002	<0.002
9/10/2021	<0.002						
2/2/2022	<0.002			<0.002		0.00024 (J)	<0.002
2/3/2022		<0.002	0.00021 (J)		<0.002		
8/31/2022	<0.002	<0.002	<0.002			<0.002	<0.002
9/2/2022				<0.002	<0.002		
2/2/2023	<0.002		<0.002		<0.002	<0.002	<0.002
2/3/2023		<0.002		<0.002			
8/9/2023	<0.002			<0.002			
8/10/2023		0.000841 (J)	<0.002		<0.002	<0.002	<0.002
1/25/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/21/2024	<0.002	0.000948 (J)	<0.002	<0.002	<0.002	<0.002	<0.002
Mean	0.00318	0.001952	0.001922	0.001923	0.001695	0.001845	0.00192
Std. Dev.	0.006077	0.0009187	0.0003732	0.0003712	0.0006795	0.0005143	0.0003837
Upper Lim.	0.031	0.002	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.00013	0.0016	0.00021	0.00022	0.00031	0.00024	0.00016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
8/31/2016							<0.01	0.0039 (J)	<0.01
9/1/2016		<0.01		<0.01	<0.01	0.0033 (J)			
9/2/2016			0.0045 (J)						
10/25/2016		<0.01		<0.01	<0.01		0.0024 (J)		<0.01
10/26/2016			0.0025 (J)			0.0037 (J)		0.0025 (J)	
1/26/2017			<0.01	<0.01	<0.01		0.0033 (J)	0.0035 (J)	<0.01
1/27/2017		<0.01				0.0048 (J)			
4/11/2017				<0.01	<0.01				
4/12/2017		<0.01	<0.01			0.0039 (J)	<0.01	<0.005	<0.01
6/21/2017			<0.01	<0.01	<0.01	0.0037 (J)		<0.005	
6/22/2017		<0.01					<0.01		<0.01
10/25/2017						0.0047 (J)	0.005		<0.01
10/26/2017		<0.01	<0.01	<0.01	<0.01			0.0041 (J)	
4/10/2018			0.0029 (J)	0.0031 (J)	0.0023 (J)		0.005		
4/11/2018		0.0015 (J)				0.0062		0.0041 (J)	<0.01
10/16/2018				0.0016 (J)					
10/17/2018		0.0011 (J)	<0.01		0.0014 (J)	0.0049 (J)	0.0025 (J)	0.0037 (J)	<0.01
8/20/2019				<0.01					
8/21/2019		<0.01	<0.01		<0.01	0.0036 (J)	0.0034 (J)	<0.005	<0.01
10/8/2019			0.004 (J)						
10/9/2019		0.0055		0.0076	0.0071	0.013	0.0083	0.0077	0.0061
4/8/2020		<0.01	<0.01	<0.01	<0.01		<0.01		
4/9/2020						<0.005		<0.005	<0.01
6/23/2020		<0.01						0.0042 (J)	
6/24/2020	0.013			<0.01	<0.01	0.0047 (J)			
6/25/2020			0.004 (J)				0.0046 (J)		
6/26/2020									<0.01
8/18/2020					<0.01		<0.01		
8/19/2020		<0.01	<0.01	<0.01					<0.01
8/20/2020	0.012					<0.005		<0.005	
9/29/2020			<0.01	<0.01	<0.01		<0.01		
9/30/2020	0.012					0.0048 (J)			
10/1/2020		<0.01						0.0035 (J)	<0.01
2/9/2021		<0.01	<0.01	<0.01	<0.01				
2/10/2021	0.014					0.0041 (J)	<0.01	<0.005	<0.01
9/8/2021	0.013		<0.01	<0.01	<0.01				
9/9/2021						0.0047 (J)		0.0037 (J)	<0.01
9/10/2021		<0.01					<0.01		
2/2/2022	0.014	0.0012 (J)			0.0014 (J)			0.0039 (J)	<0.01
2/3/2022			0.002 (J)	0.002 (J)		0.0046 (J)	0.0031 (J)		
8/31/2022		<0.01	<0.01	<0.01			0.00308 (J)	0.00345 (J)	<0.01
9/2/2022	0.0117				<0.01	0.0038 (J)			
2/2/2023		<0.01		<0.01		0.00391 (J)	<0.01	0.00337 (J)	<0.01
2/3/2023			<0.01		<0.01				
2/7/2023	0.0133								
8/9/2023	0.013	<0.01			<0.01				
8/10/2023			<0.01	<0.01		0.0043 (J)	<0.01	0.00333 (J)	<0.01
1/25/2024	0.0136	<0.01	<0.01	<0.01	<0.01	0.00385 (J)	<0.01	0.00315 (J)	<0.01
8/21/2024	0.0165	<0.01	<0.01	<0.01	<0.01	0.00449 (J)	<0.01	0.00349 (J)	<0.01
Mean	0.01328	0.008605	0.008177	0.008832	0.008736	0.004548	0.007304	0.004163	0.009823
Std. Dev.	0.001323	0.003134	0.003085	0.002742	0.002932	0.002058	0.003237	0.001074	0.0008315
Upper Lim.	0.01438	0.01	0.01	0.01	0.01	0.0048	0.01	0.004068	0.01

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARGWC-7	ARGWC-8	ARGWC-9
Lower Lim.	0.01218	0.0055	0.0045	0.0076	0.0071	0.0037	0.0034	0.003152	0.0061

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-18	ARGWC-7	ARGWC-8
8/31/2016					<0.0002	<0.0002
9/1/2016	<0.0002		8.8E-05 (J)	<0.0002		
9/2/2016		<0.0002				
10/25/2016	<0.0002		<0.0002		<0.0002	
10/26/2016		<0.0002		<0.0002		<0.0002
1/26/2017		<0.0002	7.9E-05 (J)		<0.0002	8.1E-05 (J)
1/27/2017	7.7E-05 (J)			7.4E-05 (J)		
4/11/2017			<0.0002			
4/12/2017	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
6/21/2017		<0.0002	0.00011 (J)	<0.0002		<0.0002
6/22/2017	<0.0002				<0.0002	
10/25/2017				<0.0002	<0.0002	
10/26/2017	<0.0002	<0.0002	9.4E-05 (J)			<0.0002
4/10/2018		7.1E-05 (J)	9.9E-05 (J)		7E-05 (J)	
4/11/2018	<0.0002			<0.0002		<0.0002
10/16/2018			7E-05 (J)			
10/17/2018	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
8/20/2019			<0.0002			
8/21/2019	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
4/8/2020	<0.0002	<0.0002	<0.0002		<0.0002	
4/9/2020				<0.0002		<0.0002
8/18/2020					<0.0002	
8/19/2020	<0.0002	<0.0002	<0.0002			
8/20/2020				<0.0002		<0.0002
9/8/2021		<0.0002	<0.0002			
9/9/2021				<0.0002		<0.0002
9/10/2021	<0.0002				<0.0002	
2/2/2022	<0.0002					<0.0002
2/3/2022		<0.0002	<0.0002	<0.0002	<0.0002	
8/31/2022	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
9/2/2022				<0.0002		
2/2/2023	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
2/3/2023		<0.0002				
8/9/2023	<0.0002					
8/10/2023		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/25/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mean	0.0001932	0.0001928	0.0001633	0.000193	0.0001928	0.0001934
Std. Dev.	2.899E-05	3.041E-05	5.392E-05	2.97E-05	3.064E-05	2.805E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	7.7E-05	7.1E-05	9.4E-05	7.4E-05	7E-05	8.1E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-15	ARGWC-18	ARGWC-8
8/31/2016				0.034
9/1/2016			<0.001	
9/2/2016		0.0015 (J)		
10/26/2016		<0.015	<0.001	0.0377
1/26/2017		<0.015		0.04
1/27/2017			<0.001	
4/12/2017		<0.015	<0.001	0.035
6/21/2017		<0.015	<0.001	0.038
10/25/2017			<0.001	
10/26/2017		<0.015		0.041
4/10/2018		0.00097 (J)		
4/11/2018			<0.001	0.037
10/17/2018		<0.015	<0.001	0.036
8/21/2019		0.0017 (J)	<0.001	0.051
10/8/2019		0.0011 (J)		
10/9/2019			<0.001	0.049
4/8/2020		0.00075 (J)		
4/9/2020			<0.001	0.039
6/23/2020				0.043
6/24/2020	0.00079 (J)		<0.001	
6/25/2020		0.00086 (J)		
8/19/2020		0.0016 (J)		
8/20/2020	<0.001		<0.001	0.042
9/29/2020		0.0019 (J)		
9/30/2020	0.00073 (J)		<0.001	
10/1/2020				0.043
2/9/2021		0.0012 (J)		
2/10/2021	<0.001		<0.001	0.041
9/8/2021	<0.001	0.0017 (J)		
9/9/2021			<0.001	0.043
2/2/2022	<0.001			0.042
2/3/2022		0.0011 (J)	<0.001	
8/31/2022		0.00179		0.0437
9/2/2022	0.000288		<0.001	
2/2/2023			0.000288 (J)	0.0428
2/3/2023		0.000959 (J)		
2/7/2023	0.000328 (J)			
8/9/2023	<0.001			
8/10/2023		0.00212	<0.001	0.0424
1/25/2024	0.000274 (J)	0.000948 (J)	<0.001	0.0446
8/21/2024	0.000218 (J)	0.00192	<0.001	0.0377
Mean	0.0006935	0.005096	0.0009676	0.04104
Std. Dev.	0.0003436	0.006219	0.0001518	0.00417
Upper Lim.	0.001	0.00212	0.001	0.04328
Lower Lim.	0.000274	0.00097	0.000288	0.0388

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-7	ARGWC-9
6/23/2016		<0.005	<0.005			0.00029 (J)	<0.005
6/24/2016				0.0014	<0.005		
8/31/2016						<0.005	0.00024 (J)
9/1/2016		<0.005		0.0014	<0.005		
9/2/2016			0.0005 (J)				
10/25/2016		<0.005		0.0015 (J)	<0.005	<0.005	<0.005
10/26/2016			<0.005				
1/26/2017			<0.005	0.00071 (J)	<0.005	<0.005	<0.005
1/27/2017		<0.005					
4/11/2017				0.0011 (J)	<0.005		
4/12/2017		<0.005	<0.005			<0.005	<0.005
6/21/2017			<0.005	0.00075 (J)	<0.005		
6/22/2017		<0.005				<0.005	<0.005
10/25/2017						<0.005	0.00029 (J)
10/26/2017		<0.005	0.0004 (J)	0.0012 (J)	<0.005		
4/10/2018			0.00044 (J)	0.0013	<0.005	<0.005	
4/11/2018		<0.005					<0.005
10/16/2018				0.00072 (J)			
10/17/2018		<0.005	<0.005		<0.005	<0.005	<0.005
3/27/2019			<0.005				
3/28/2019		<0.005		0.0017	<0.005	<0.005	<0.005
8/20/2019				<0.005			
8/21/2019		<0.005	<0.005		<0.005	<0.005	<0.005
10/8/2019			<0.005				
10/9/2019		<0.005		0.0018 (J)	<0.005	<0.005	<0.005
4/8/2020		<0.005	<0.005	0.0022 (J)	<0.005	<0.005	
4/9/2020							<0.005
8/18/2020					<0.005	<0.005	
8/19/2020		<0.005	<0.005	0.0029 (J)			<0.005
8/20/2020	<0.005						
9/29/2020			<0.005	0.0025 (J)	<0.005	<0.005	
9/30/2020	<0.005						
10/1/2020		<0.005					<0.005
2/9/2021		<0.005	<0.005	0.0019 (J)	<0.005		
2/10/2021	<0.005					<0.005	<0.005
9/8/2021	<0.005		<0.005	0.0024 (J)	<0.005		
9/9/2021							<0.005
9/10/2021		0.0017 (J)				0.0028 (J)	
2/2/2022	0.0011 (J)	<0.005			0.00076 (J)		<0.005
2/3/2022			<0.005	0.0032 (J)		<0.005	
8/31/2022		<0.005	<0.005	0.00287 (J)		<0.005	<0.005
9/2/2022	<0.005				<0.005		
2/2/2023		<0.005		0.00466 (J)		<0.005	<0.005
2/3/2023			<0.005		<0.005		
2/7/2023	<0.005						
8/9/2023	<0.005	<0.005			0.00231 (J)		
8/10/2023			<0.005	0.00421 (J)		<0.005	<0.005
1/25/2024	0.00276 (J)	<0.005	<0.005	0.00555	<0.005	<0.005	<0.005
8/21/2024	0.00323 (J)	<0.005	<0.005	0.00497 (J)	<0.005	<0.005	<0.005
Mean	0.004209	0.004857	0.004406	0.002323	0.004699	0.0047	0.004588
Std. Dev.	0.001379	0.0006881	0.001568	0.001392	0.001025	0.001065	0.001364
Upper Lim.	0.005	0.005	0.005	0.003051	0.005	0.005	0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-7	ARGWC-9
Lower Lim.	0.00276	0.0017	0.0005	0.001596	0.00231	0.0028	0.00029

Confidence Interval

Constituent: Silver (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16
6/23/2016	<0.001	
6/24/2016		<0.001
10/25/2016		<0.001
10/26/2016	<0.001	
4/11/2017		<0.001
4/12/2017	<0.001	
10/26/2017	0.00037 (J)	0.00026 (J)
4/10/2018	<0.001	<0.001
10/16/2018		<0.001
10/17/2018	<0.001	
3/27/2019	<0.001	
3/28/2019		<0.001
10/8/2019	0.00018 (J)	
10/9/2019		<0.001
4/8/2020	<0.001	<0.001
9/29/2020	<0.001	<0.001
2/9/2021	<0.001	<0.001
9/8/2021	<0.001	<0.001
2/3/2022	<0.001	<0.001
8/31/2022	<0.001	<0.001
2/2/2023		<0.001
2/3/2023	<0.001	
8/10/2023	<0.001	<0.001
1/25/2024	<0.001	<0.001
8/21/2024	<0.001	<0.001
Mean	0.0009194	0.0009589
Std. Dev.	0.0002367	0.0001744
Upper Lim.	0.001	0.001
Lower Lim.	0.00037	0.00026

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/3/2024 11:52 AM View: Appendix I & IV

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARAMW-4	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
9/1/2016			<0.002	<0.002	<0.002
9/2/2016		9.5E-05 (J)			
10/25/2016			<0.002	<0.002	
10/26/2016		<0.002			<0.002
1/26/2017		<0.002	<0.002	<0.002	
1/27/2017					<0.002
4/11/2017			<0.002	<0.002	
4/12/2017		<0.002			<0.002
6/21/2017		<0.002	<0.002	<0.002	<0.002
10/25/2017					<0.002
10/26/2017		<0.002	<0.002	<0.002	
4/10/2018		<0.002	<0.002	<0.002	
4/11/2018					<0.002
10/16/2018			<0.002		
10/17/2018		<0.002		<0.002	<0.002
8/20/2019			<0.002		
8/21/2019		<0.002		<0.002	<0.002
10/8/2019		<0.002			
10/9/2019			<0.002	<0.002	<0.002
4/8/2020		<0.002	<0.002	<0.002	
4/9/2020					<0.002
8/18/2020				<0.002	
8/19/2020		<0.002	0.00027 (J)		
8/20/2020	0.00022 (J)				<0.002
9/29/2020		<0.002	0.00025 (J)	<0.002	
9/30/2020	<0.002				<0.002
2/9/2021		<0.002	<0.002	<0.002	
2/10/2021	<0.002				<0.002
9/8/2021	<0.002	<0.002	0.00025 (J)	0.00063 (J)	
9/9/2021					0.00028 (J)
2/2/2022	<0.002			<0.002	
2/3/2022		<0.002	<0.002		<0.002
8/31/2022		<0.002	<0.002		
9/2/2022	<0.002			<0.002	<0.002
2/2/2023			<0.002		<0.002
2/3/2023		<0.002		<0.002	
2/7/2023	<0.002				
8/9/2023	<0.002			<0.002	
8/10/2023		<0.002	<0.002		<0.002
1/25/2024	<0.002	<0.002	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	<0.002
Mean	0.001822	0.001909	0.001751	0.001935	0.001918
Std. Dev.	0.0005629	0.0004157	0.0006251	0.000299	0.0003753
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.002	9.5E-05	0.00027	0.00063	0.00028

ND substitution: RL or RL/2 if <15% NDs.

FIGURE J.

Appendix IV Trend Tests - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 12:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**ARGWC-17**	**0.001983**	**85**	**71**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 10/3/2024, 12:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	ARGWA-12 (bg)	-0.00002683	-59	-71	No	22	50	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-13 (bg)	0	7	71	No	22	90.91	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-14 (bg)	0	5	71	No	22	95.45	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-24 (bg)	0	3	20	No	9	66.67	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-3 (bg)	0	3	71	No	22	90.91	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-5 (bg)	0	-6	-71	No	22	86.36	n/a	n/a	0.05	NP
Cobalt (mg/L)	**ARGWC-17**	**0.001983**	**85**	**71**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Thallium (mg/L)	ARAMW-4	0	9	23	No	10	90	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-12 (bg)	0	0	66	No	21	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-13 (bg)	0	0	66	No	21	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-14 (bg)	0	-4	-66	No	21	95.24	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-24 (bg)	0	0	20	No	9	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-3 (bg)	0	3	66	No	21	90.48	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-5 (bg)	0	-4	-66	No	21	80.95	n/a	n/a	0.05	NP

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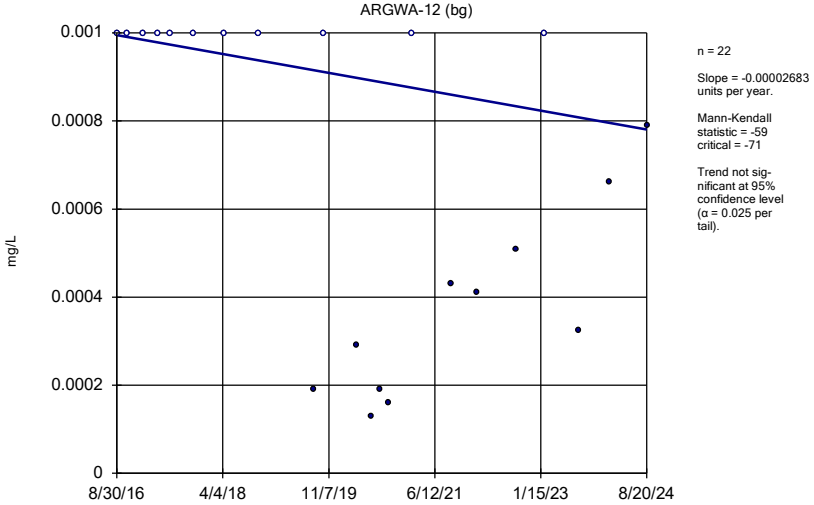
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-12 (bg)



n = 22

Slope = -0.00002683 units per year.

Mann-Kendall statistic = -59
critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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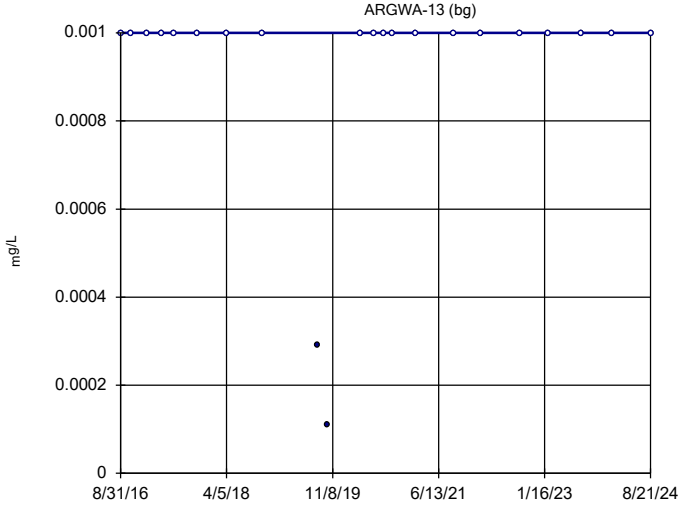
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-13 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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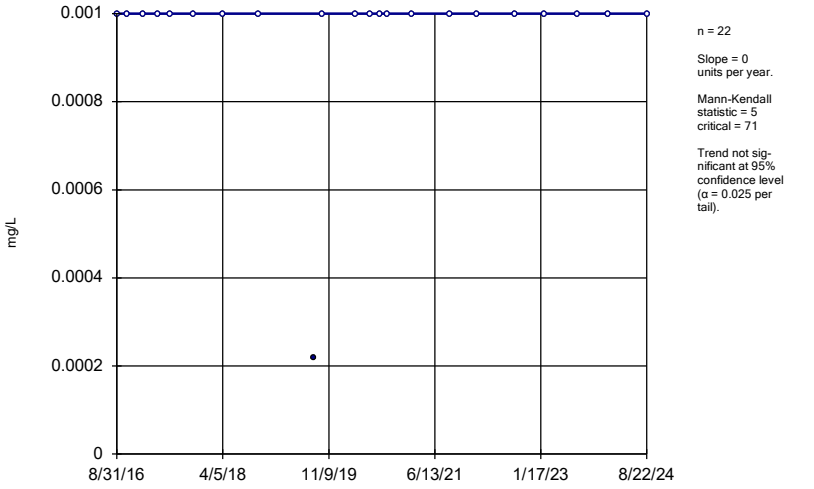
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-14 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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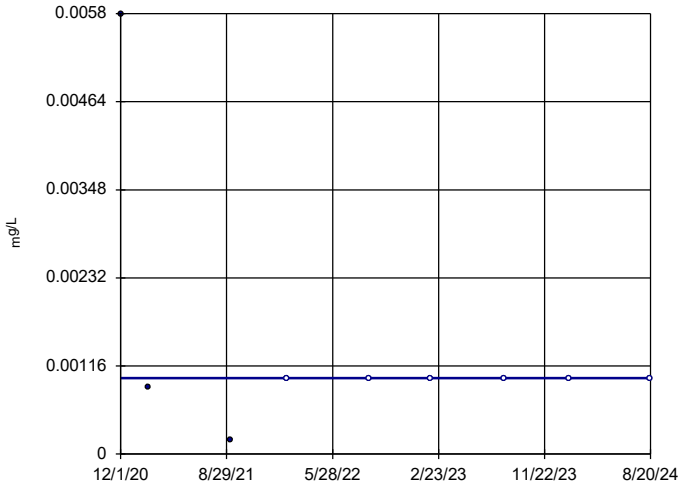
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-24 (bg)



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 20

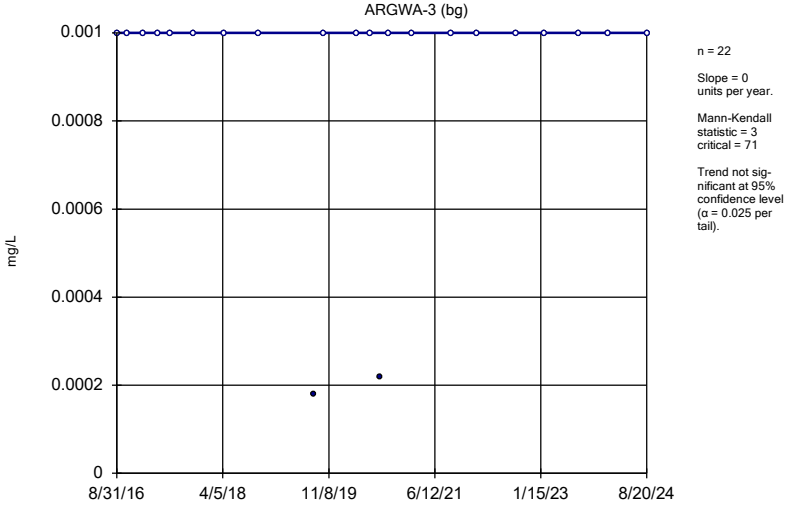
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-3 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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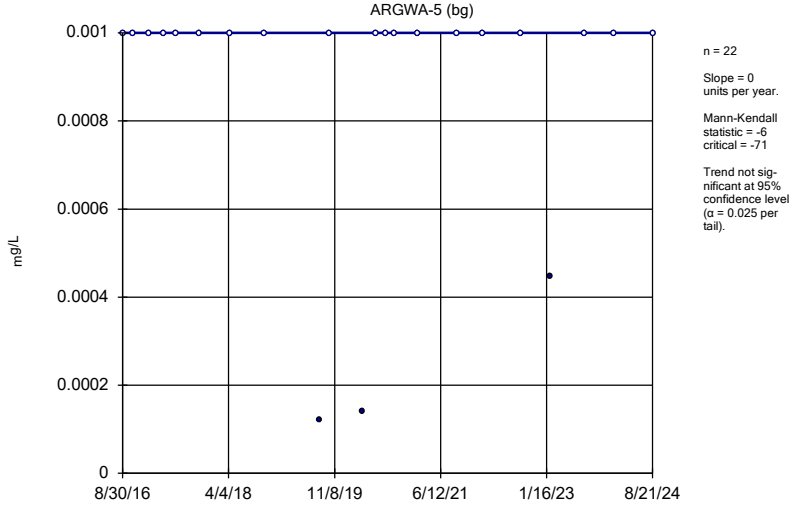
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-5 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -6
critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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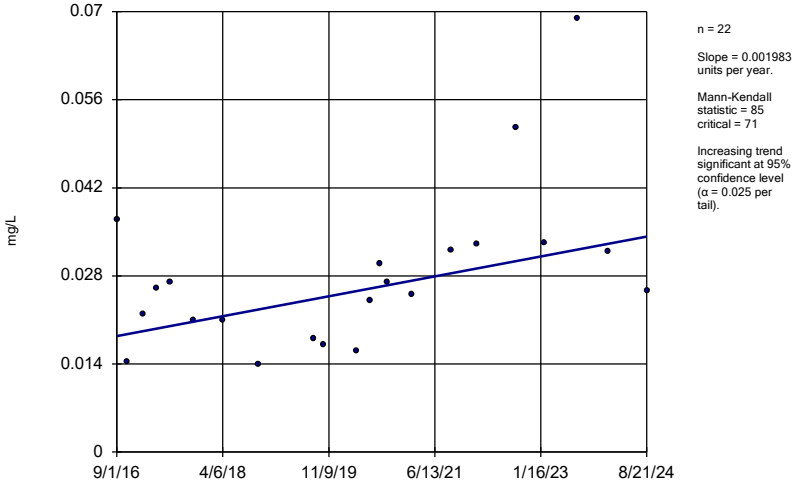
Sen's Slope Estimator

ARGWC-17



n = 22

Slope = 0.001983 units per year.

Mann-Kendall statistic = 85
critical = 71

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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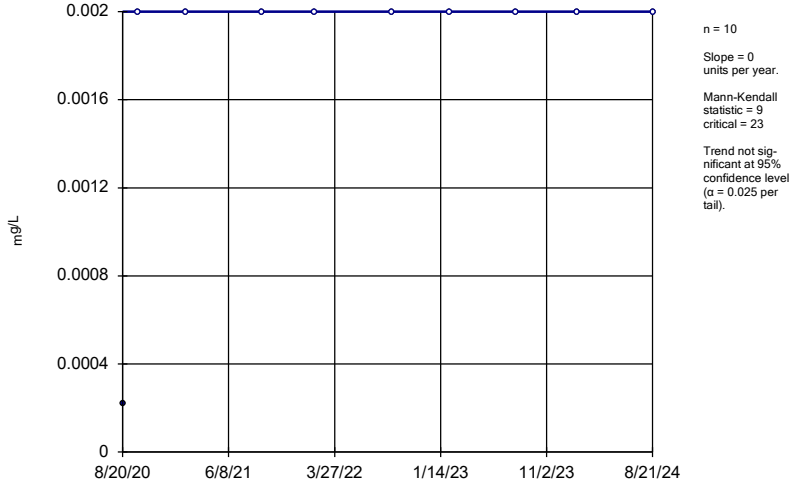
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARAMW-4



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 23

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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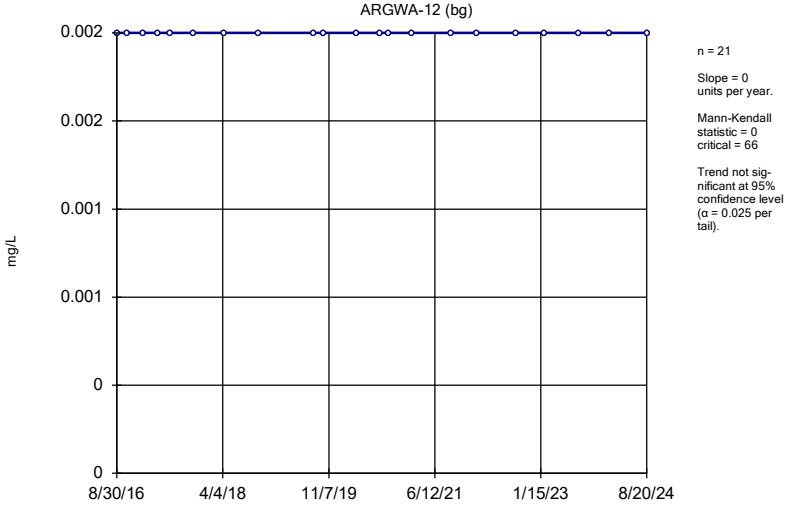
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-12 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 66

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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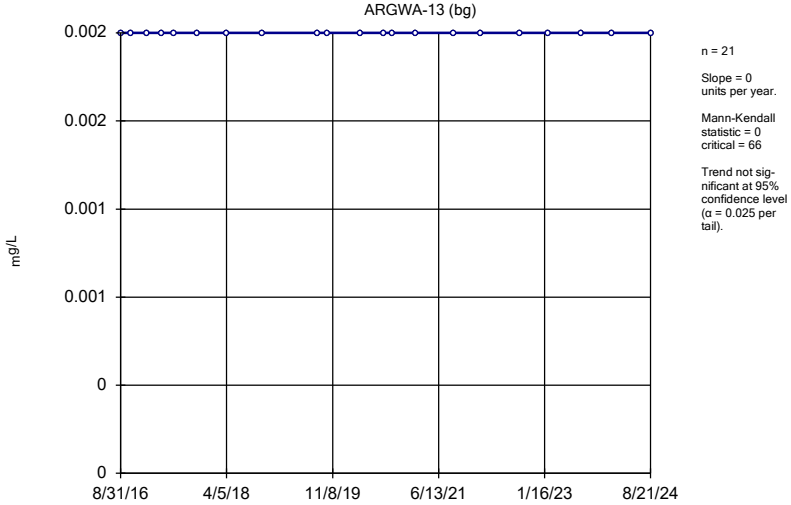
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-13 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 66

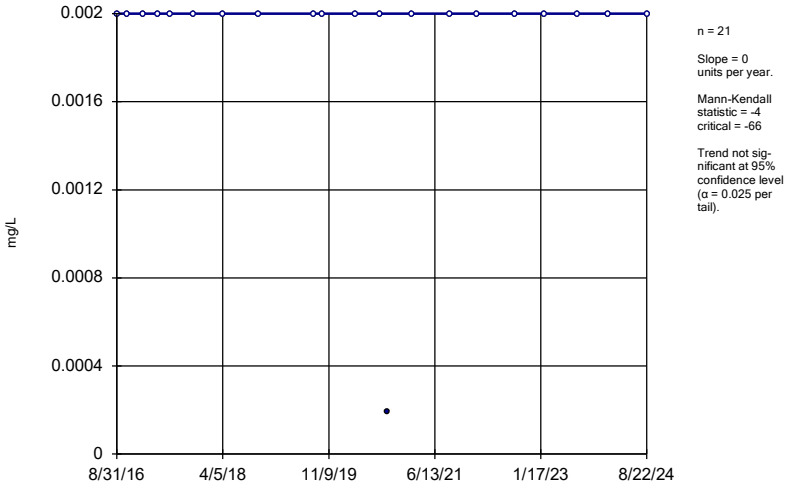
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-14 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -4 critical = -66

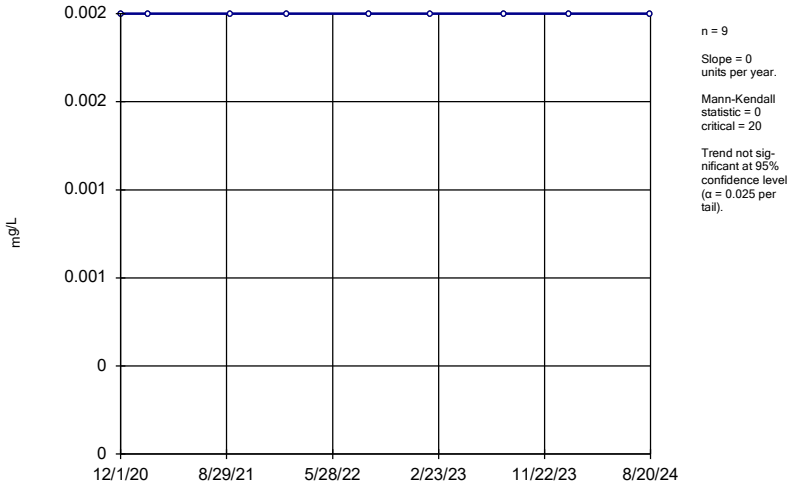
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-24 (bg)



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 20

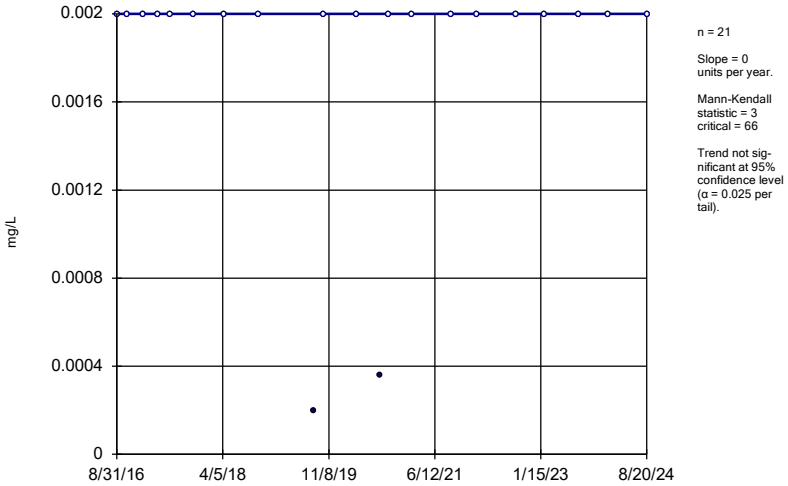
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-3 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = 3 critical = 66

Trend not significant at 95% confidence level (α = 0.025 per tail).

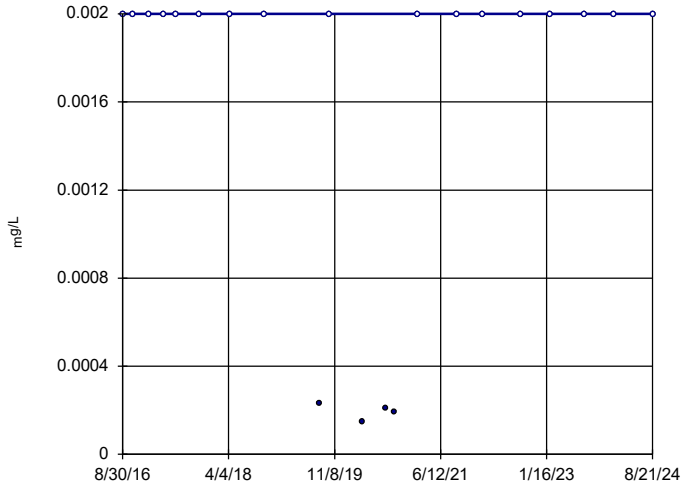
Constituent: Thallium Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.22 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-5 (bg)



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -4 critical = -66

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 10/3/2024 11:56 AM View: Appendix IV - Trend Tests

Plant Arkwright Client: Southern Company Data: Arkwright No 3

GROUNDWATER STATS CONSULTING

July 31, 2025

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Arkwright #3 Ash Pond
February 2025 Semi-Annual Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the February 2025 Semi-Annual Groundwater statistical analysis of data for Georgia Power Company's Plant Arkwright #3 Ash Pond. The analysis complies with the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's Coal Combustion Residuals (CCR) Appendix III and IV parameters in addition to Appendix I parameters in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** ARGWA-3, ARGWA-5, ARGWA-12, ARGWA-13, ARGWA-14, and ARGWA-24
- **Downgradient wells:** ARGWC-7, ARGWC-8, ARGWC-9, ARGWC-10, ARGWC-15, ARGWC-16, ARGWC-17, and ARGWC-18
- **Assessment well:** ARAMW-4

Data from assessment wells are plotted on time series and box plots, and are analyzed with confidence intervals for Appendix I and IV constituents when a minimum of 4 samples are available.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting. In 2024, Georgia Power Company completed a data audit and migration of all CCR related groundwater data to the EarthSoft EQuIS Database Management Program (EQuIS). Data were then exported from EQuIS to Groundwater Stats Consulting (GSC) for use in completing this statistical analysis. Georgia Power Company contracted an independent third-party consultant, Environmental Resources Management (ERM), to support the data audit and migration to EQuIS. Based on the results of the audit and statistical analysis results from GSC, EQuIS will now be used by Georgia Power Company and its third-party geologists and engineers for management of data imported by independent third-party laboratories and data exported by Georgia Power Company and its Consultants. The data will be used in preparation of report submittals, modeling, strategic planning, and other purposes appropriate and consistent with EQuIS's data management and reporting tools and capabilities.

The CCR and Georgia EPD programs monitor the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

- **Georgia EPD Appendix I:** arsenic, barium, cadmium, lead, selenium, and silver
- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **CCR Appendix IV:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lithium, lead, mercury, molybdenum, selenium, and thallium

Downgradient well data for Appendix I constituents were analyzed using interwell prediction limits and confidence intervals; downgradient well data for Appendix III constituents were analyzed using interwell prediction limits; and downgradient well data for Appendix IV constituents were analyzed using confidence intervals. Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. Summaries of well/constituent pairs containing 100% non-detects since 2005 for Appendix I constituents at downgradient wells and since 2016 for Appendix I and IV constituents at downgradient and assessment wells follow this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at

upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Based on the previous screening, described below, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the previous screening to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia EPD Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

Georgia EPD Appendix I Constituents:

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan (all parameters)
- # Constituents: 6
- # Downgradient wells: 8

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan (all parameters)
- # Constituents: 7
- # Downgradient wells: 8

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals, as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with parametric limits is based on an annual 10% (5% per semi-annual event) as recommend by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number

of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009).

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after screening for any new outliers. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Summary of Background Screening - Conducted in 2019

Outlier Analysis

Time series plots were used to identify suspected outliers or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. Several values were flagged as outliers as a result of the Tukey's tests. In some cases, high values not identified by this test were flagged as outliers so that resulting prediction limits will be lower and capable of detecting future changes at these wells. Outliers were flagged in downgradient wells, though there are no intrawell statistical analyses in the current report. For the analysis of the Appendix IV constituents, this improves the estimate of downgradient confidence intervals.

A summary of flagged values is included in Figure C. When the most recent values are identified as outliers in upgradient wells, those values are not flagged in the database at that time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend in an upgradient well. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits, when non-detects are replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) are sometimes flagged as outliers if they are much higher than current reporting limits.

Additionally, when any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Testing

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data

are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

Several statistically significant increasing and decreasing trends were noted for constituents in both upgradient and downgradient wells, and the results of these trend tests were included with the previous screening. Although data since 2014 for selenium at upgradient well ARGWA-13 have consistently been detections above the reporting limit while earlier data are primarily non-detect values, the measurements across the record represent spatial variability in groundwater quality upgradient of the facility. Therefore, all concentrations for this well/constituent pair are used in constructing statistical limits.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified significant differences among upgradient well data for several constituents. While data were further tested for intrawell eligibility during the screening, interwell methods are used for all Appendix I and Appendix III constituents in accordance with Georgia EPD requirements.

Prediction Limit Analysis of Appendix I & III Parameters – February 2025

All Appendix I and III parameters were analyzed using interwell prediction limits. Upgradient well data were reassessed using time series for potential outliers during this analysis. As a result of the data received from the EQuIS database, some of the reported measurements in upgradient well ARGWA-3 for barium and cadmium were different from those historically used in the Sanitas database. The previously flagged non-detect observation for barium was unflagged during this analysis since the value is a detected observation of 0.016 mg/L, and the previously flagged observation for cadmium was unflagged since the value is a non-detect value. No new values were flagged and a summary of previously flagged outliers follows this report (Figure C).

Appendix I & III Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through February 2025 for Appendix I and III constituents (Figures D & E, respectively). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2025 sample from each downgradient well is compared to the background limits to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. Summary tables, along with complete results of the interwell prediction limits for Appendix I and III constituents, follow this letter. No exceedances were noted for the Appendix I constituents. The following exceedances were identified for the Appendix III constituents:

- Boron: ARGWC-18
- pH (lower limit): ARGWC-16 and ARGWC-17

Note that the interwell limit for sulfate is high relative to concentrations in downgradient wells and is a result of the reported concentrations in upgradient well ARGWA-13 which reflect spatial variation in groundwater quality at the site. Since this limit will not be sensitive to changes in sulfate concentrations in downgradient wells, trend tests were performed as a secondary measure to identify whether concentrations are changing over time at each well. The results are discussed below in the trend test section.

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level (Figure F). Upgradient well data are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of variability in groundwater quality unrelated to practices at the site.

Additionally, trend tests for sulfate were included to monitor concentrations at each well. Note that samples for sulfate were collected prior to 2016 and all data were evaluated in the trend analyses. Both a summary table and graphical display of trend tests results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing
- Boron: ARGWA-13 (upgradient)
- Sulfate: ARGWA-13 (upgradient), ARGWC-9, and ARGWC-16

Decreasing
- Boron: ARGWA-24 (upgradient)
- pH: ARGWC-17
- Sulfate: ARGWA-14, ARGWA-24 (both upgradient), ARGWC-7, and ARGWC-8

Confidence Interval Analysis of Appendix I & IV Parameters – February 2025

For Appendix I and IV parameters, confidence intervals for each downgradient and assessment well/constituent pair were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Downgradient and assessment well/constituent pairs that contain 100% non-detects since 2016 do not require analysis. Data from upgradient wells for Appendix I and IV parameters are reassessed for outliers during each analysis. No additional outliers were flagged during this analysis and a summary of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through February 2025 for Appendix I and IV constituents (Figure G). Parametric tolerance limits are used when data follow a normal or transformed-normal distribution. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, nonparametric tolerance limits were used.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22,

2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix I and IV constituents for this sample event (Figure H).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed when a minimum of 8 samples for downgradient wells and a minimum of 4 samples for assessment wells was available using data since 2016 for each of the Appendix I and IV constituents in accordance with the state requirements in each downgradient well (Figure I). The Sanitas software was used to calculate the confidence intervals, either parametric or nonparametric, depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the appropriate order statistics, depending on the sample size, as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The achievable confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. In the event of a confidence interval exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. A summary of the confidence intervals follows this letter and an exceedance was identified for the following well/constituent pair:

- Cobalt: ARGWC-17

While the confidence interval for thallium at assessment well ARAMW-4 indicates an exceedance, this is a result of the Sanitas™ statistical software identifying exceedances when the lower limit is equal to or greater than the established GWPS. No detections are present above the reporting limit of 0.002 mg/L in this record and the lower limit was equal to the MCL of 0.002 mg/L; therefore, no SSL is identified.

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure J). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. No statistically significant trends were identified.

Although no SSL is recorded for thallium at ARAMW-4, trend tests were also included for thallium at assessment well ARAMW-4 along with the upgradient wells to further demonstrate no trends (all with a slope of 0) are present for this constituent.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Arkwright #3 Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Easton Rayner
Groundwater Analyst

Andrew Collins
Project Manager

Table of Contents

Summary Tables	12
Figure A. Time Series	26
Figure B. Box Plots	171
Figure C. Outlier Summary	194
Figure D. Appendix I Interwell Prediction Limits	199
Figure E. Appendix III Interwell Prediction Limits	236
Figure F. Appendix III Trend Tests	273
Figure G. Upper Tolerance Limits	284
Figure H. Groundwater Protection Standards	294
Figure I. Confidence Intervals	296
Figure J. Appendix I & IV Trend Tests	327

Summary Tables

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100% Non-Detects: Appendix I Interwell Downgradient

Analysis Run 5/21/2025 8:51 AM View: Appendix I - Interwell PLs (100% ND)
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Cadmium (mg/L)
ARGWC-7, ARGWC-8, ARGWC-9, ARGWC-10, ARGWC-18

Silver (mg/L)
ARGWC-8

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100% Non-Detects: Appendix I & IV Downgradient & Assessment

Analysis Run 5/22/2025 3:16 PM View: Appendix I & IV - Confidence Intervals (100% ND)
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Antimony (mg/L)
ARGWC-8, ARGWC-15, ARGWC-16, ARGWC-17, ARGWC-18, ARAMW-4

Beryllium (mg/L)
ARGWC-10, ARGWC-15, ARAMW-4

Cadmium (mg/L)
ARGWC-7, ARGWC-8, ARGWC-9, ARGWC-10, ARGWC-15, ARGWC-18

Chromium (mg/L)
ARGWC-18, ARAMW-4

Lead (mg/L)
ARGWC-7, ARAMW-4

Mercury (mg/L)
ARGWC-9, ARGWC-17, ARAMW-4

Molybdenum (mg/L)
ARGWC-7, ARGWC-9, ARGWC-10, ARGWC-16, ARGWC-17

Selenium (mg/L)
ARGWC-8, ARGWC-18

Silver (mg/L)
ARGWC-7, ARGWC-8, ARGWC-9, ARGWC-10, ARGWC-17, ARGWC-18, ARAMW-4

Thallium (mg/L)
ARGWC-7, ARGWC-8, ARGWC-9, ARGWC-10

Appendix I - Interwell Prediction Limits - All Results (No Significant)

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 8:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	ARGWC-7	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-8	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-9	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-10	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-15	0.00593	n/a	2/13/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-16	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-17	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-18	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Barium (mg/L)	ARGWC-7	0.24	n/a	2/5/2025	0.0521	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-8	0.24	n/a	2/5/2025	0.0601	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-9	0.24	n/a	2/5/2025	0.0381	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-10	0.24	n/a	2/5/2025	0.0346	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-15	0.24	n/a	2/13/2025	0.0229	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-16	0.24	n/a	2/5/2025	0.0373	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-17	0.24	n/a	2/5/2025	0.0426	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-18	0.24	n/a	2/5/2025	0.0382	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Cadmium (mg/L)	ARGWC-15	0.0043	n/a	2/13/2025	0.001ND	No	191	n/a	n/a	93.72	n/a	n/a	0.0000543	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	ARGWC-16	0.0043	n/a	2/5/2025	0.001ND	No	191	n/a	n/a	93.72	n/a	n/a	0.0000543	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	ARGWC-17	0.0043	n/a	2/5/2025	0.001ND	No	191	n/a	n/a	93.72	n/a	n/a	0.0000543	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-7	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-8	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-9	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-10	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-15	0.013	n/a	2/13/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-16	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-17	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-18	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-7	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-8	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-9	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-10	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-15	0.034	n/a	2/13/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-16	0.034	n/a	2/5/2025	0.00451J	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-17	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-18	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-7	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-9	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-10	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-15	0.0051	n/a	2/13/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-16	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-17	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-18	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2

Appendix III - Interwell Prediction Limits - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 8:58 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**ARGWC-18**	**1.11**	**n/a**	**2/5/2025**	**2.32**	**Yes**	**121**	**n/a**	**n/a**	**41.32**	**n/a**	**n/a**	**0.000133**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	**ARGWC-16**	**7.44**	**5.53**	**2/5/2025**	**5.18**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001944**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	**ARGWC-17**	**7.44**	**5.53**	**2/5/2025**	**5.07**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001944**	**NP Inter (normality) 1 of 2**

Appendix III - Interwell Prediction Limits - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 8:58 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	ARGWC-7	1.11	n/a	2/5/2025	0.0749	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-8	1.11	n/a	2/5/2025	0.913	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-9	1.11	n/a	2/5/2025	0.00699J	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-10	1.11	n/a	2/5/2025	0.00539J	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-15	1.11	n/a	2/13/2025	0.00936J	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-16	1.11	n/a	2/5/2025	0.593	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-17	1.11	n/a	2/5/2025	0.054	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	**ARGWC-18**	**1.11**	**n/a**	**2/5/2025**	**2.32**	**Yes**	**121**	**n/a**	**n/a**	**41.32**	**n/a**	**n/a**	**0.000133**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	ARGWC-7	190	n/a	2/5/2025	9.35	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-8	190	n/a	2/5/2025	44.3	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-9	190	n/a	2/5/2025	4.85	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-10	190	n/a	2/5/2025	8.09	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-15	190	n/a	2/13/2025	17.6	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-16	190	n/a	2/5/2025	78.4	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-17	190	n/a	2/5/2025	18.9	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-18	190	n/a	2/5/2025	53.3	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-7	24.3	n/a	2/5/2025	4.33	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-8	24.3	n/a	2/5/2025	5.28	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-9	24.3	n/a	2/5/2025	4.83	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-10	24.3	n/a	2/5/2025	3.91	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-15	24.3	n/a	2/13/2025	2.48	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-16	24.3	n/a	2/5/2025	5.63	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-17	24.3	n/a	2/5/2025	2.63	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-18	24.3	n/a	2/5/2025	6.35	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-7	0.53	n/a	2/5/2025	0.1ND	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-8	0.53	n/a	2/5/2025	0.212	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-9	0.53	n/a	2/5/2025	0.1ND	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-10	0.53	n/a	2/5/2025	0.0351J	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-15	0.53	n/a	2/13/2025	0.0561J	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-16	0.53	n/a	2/5/2025	0.1ND	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-17	0.53	n/a	2/5/2025	0.1ND	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-18	0.53	n/a	2/5/2025	0.086J	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
pH, Field (SU)	ARGWC-7	7.44	5.53	2/5/2025	5.83	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
pH, Field (SU)	ARGWC-8	7.44	5.53	2/5/2025	6.47	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
pH, Field (SU)	ARGWC-9	7.44	5.53	2/5/2025	5.97	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
pH, Field (SU)	ARGWC-10	7.44	5.53	2/5/2025	5.96	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
pH, Field (SU)	ARGWC-15	7.44	5.53	2/13/2025	6.17	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
pH, Field (SU)	**ARGWC-16**	**7.44**	**5.53**	**2/5/2025**	**5.18**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001944**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	**ARGWC-17**	**7.44**	**5.53**	**2/5/2025**	**5.07**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001944**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	ARGWC-18	7.44	5.53	2/5/2025	6.04	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-7	950	n/a	2/5/2025	46	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-8	950	n/a	2/5/2025	61.7	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-9	950	n/a	2/5/2025	1.47	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-10	950	n/a	2/5/2025	0.557	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-15	950	n/a	2/13/2025	4.29	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-16	950	n/a	2/5/2025	405	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-17	950	n/a	2/5/2025	118	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-18	950	n/a	2/5/2025	199	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-7	1500	n/a	2/5/2025	87	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-8	1500	n/a	2/5/2025	214	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-9	1500	n/a	2/5/2025	58	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-10	1500	n/a	2/5/2025	69	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-15	1500	n/a	2/13/2025	114	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-16	1500	n/a	2/5/2025	637	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-17	1500	n/a	2/5/2025	155	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-18	1500	n/a	2/5/2025	428	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2

Appendix III - Trend Tests - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 9:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**ARGWA-13 (bg)**	**0.08123**	**138**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**ARGWA-24 (bg)**	**-0.01972**	**-39**	**-34**	**Yes**	**11**	**36.36**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**ARGWC-17**	**-0.04639**	**-167**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-13 (bg)**	**44.68**	**325**	**199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-14 (bg)**	**-12.12**	**-423**	**-184**	**Yes**	**35**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-24 (bg)**	**-0.6036**	**-44**	**-34**	**Yes**	**11**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-7**	**-5.861**	**-7.761**	**-2.58**	**Yes**	**44**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-8**	**-4.015**	**-584**	**-199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-9**	**0.0721**	**359**	**191**	**Yes**	**36**	**5.556**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-16**	**15.95**	**442**	**199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - Trend Tests - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 9:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	ARGWA-3 (bg)	0	-45	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	ARGWA-5 (bg)	0	-57	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	ARGWA-12 (bg)	-0.0006181	-50	-92	No	22	40.91	n/a	n/a	0.01	NP
Boron (mg/L)	**ARGWA-13 (bg)**	**0.08123**	**138**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	ARGWA-14 (bg)	-0.000245	-11	-92	No	22	18.18	n/a	n/a	0.01	NP
Boron (mg/L)	**ARGWA-24 (bg)**	**-0.01972**	**-39**	**-34**	**Yes**	**11**	**36.36**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	ARGWC-18	0.01902	46	92	No	22	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-3 (bg)	0.01615	72	118	No	26	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-5 (bg)	-0.01597	-64	-118	No	26	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-12 (bg)	-0.009193	-58	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-13 (bg)	0.002338	11	105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-14 (bg)	-0.01533	-50	-152	No	31	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-24 (bg)	-0.02124	-10	-34	No	11	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWC-16	-0.01	-85	-118	No	26	0	n/a	n/a	0.01	NP
pH, Field (SU)	**ARGWC-17**	**-0.04639**	**-167**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWA-3 (bg)	-0.001856	-1.445	-2.58	No	58	31.03	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWA-5 (bg)	0	-0.6971	-2.58	No	59	30.51	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWA-12 (bg)	-0.1658	-134	-199	No	37	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**ARGWA-13 (bg)**	**44.68**	**325**	**199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-14 (bg)**	**-12.12**	**-423**	**-184**	**Yes**	**35**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-24 (bg)**	**-0.6036**	**-44**	**-34**	**Yes**	**11**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-7**	**-5.861**	**-7.761**	**-2.58**	**Yes**	**44**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-8**	**-4.015**	**-584**	**-199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-9**	**0.0721**	**359**	**191**	**Yes**	**36**	**5.556**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWC-10	0.001664	130	199	No	37	40.54	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWC-15	0.07351	68	206	No	38	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**ARGWC-16**	**15.95**	**442**	**199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWC-17	-0.597	-35	-184	No	35	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWC-18	0.7244	153	199	No	37	0	n/a	n/a	0.01	NP

Upper Tolerance Limits

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 9:05 AM

Constituent	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.003	n/a	n/a	n/a	111	96.4	n/a	0.003368	NP Inter(NDs)
Arsenic (mg/L)	0.00593	n/a	n/a	n/a	242	82.23	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	0.24	n/a	n/a	n/a	240	0	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	0.0005	n/a	n/a	n/a	121	97.52	n/a	0.002016	NP Inter(NDs)
Cadmium (mg/L)	0.0043	n/a	n/a	n/a	240	95	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	0.0139	n/a	n/a	n/a	121	69.42	n/a	0.002016	NP Inter(NDs)
Cobalt (mg/L)	0.0058	n/a	n/a	n/a	126	80.95	n/a	0.00156	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	4.25	n/a	n/a	n/a	121	0	n/a	0.002016	NP Inter(normality)
Fluoride (mg/L)	0.53	n/a	n/a	n/a	131	28.24	n/a	0.001207	NP Inter(normality)
Lead (mg/L)	0.013	n/a	n/a	n/a	240	90.83	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	0.01	n/a	n/a	n/a	125	47.2	n/a	0.001642	NP Inter(normality)
Mercury (mg/L)	0.0002	n/a	n/a	n/a	106	97.17	n/a	0.004352	NP Inter(NDs)
Molybdenum (mg/L)	0.004	n/a	n/a	n/a	126	82.54	n/a	0.00156	NP Inter(NDs)
Selenium (mg/L)	0.034	n/a	n/a	n/a	242	82.64	n/a	NaN	NP Inter(NDs)
Silver (mg/L)	0.0051	n/a	n/a	n/a	209	95.22	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	0.002	n/a	n/a	n/a	121	94.21	n/a	0.002016	NP Inter(NDs)

PLANT ARKWRIGHT LF #3 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified Level**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.0059	0.01
Barium, Total (mg/L)	2		0.24	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0043	0.005
Chromium, Total (mg/L)	0.1		0.014	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0058	0.006
Combined Radium, Total (pCi/L)	5		4.25	5
Fluoride, Total (mg/L)	4		0.53	4
Lead, Total (mg/L)	n/a	0.015	0.013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.01	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.004	0.1
Selenium, Total (mg/L)	0.05		0.034	0.05
Silver, Total (mg/L)	n/a		0.0051	0.0051
Thallium, Total (mg/L)	0.002		0.002	0.002

**MCL = Maximum Contaminant Level*

**GWPS = Groundwater Protection Standard*

**CCR = Coal Combustion Residuals*

Confidence Interval Summary Table - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 3:19 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	**ARGWC-17**	**0.03249**	**0.02097**	**0.006**	**Yes**	**23**	**0**	**sqrt(x)**	**0.01**	**Param.**
Thallium (mg/L)	**ARAMW-4**	**0.002**	**0.002**	**0.002**	**Yes**	**11**	**90.91**	**No**	**0.006**	**NP (NDs)**

Confidence Interval Summary Table - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 3:19 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	ARGWC-7	0.003	0.0013	0.006	No	20	95	No	0.01	NP (NDs)
Antimony (mg/L)	ARGWC-9	0.003	0.00048	0.006	No	20	95	No	0.01	NP (NDs)
Antimony (mg/L)	ARGWC-10	0.003	0.00094	0.006	No	20	95	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-7	0.005	0.0048	0.01	No	24	87.5	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-8	0.005	0.00337	0.01	No	24	79.17	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-9	0.005	0.00457	0.01	No	24	87.5	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-10	0.005	0.0019	0.01	No	24	87.5	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-15	0.005	0.0024	0.01	No	24	87.5	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-16	0.005	0.00431	0.01	No	24	79.17	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-17	0.005	0.0015	0.01	No	24	75	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-18	0.005	0.0016	0.01	No	24	83.33	No	0.01	NP (NDs)
Arsenic (mg/L)	ARAMW-4	0.005	0.00035	0.01	No	11	45.45	No	0.006	NP (normality)
Barium (mg/L)	ARGWC-7	0.04608	0.03831	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARGWC-8	0.05385	0.04647	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARGWC-9	0.04588	0.04109	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARGWC-10	0.03389	0.03129	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARGWC-15	0.037	0.0287	2	No	24	0	No	0.01	NP (normality)
Barium (mg/L)	ARGWC-16	0.05117	0.04306	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARGWC-17	0.0556	0.04584	2	No	24	0	ln(x)	0.01	Param.
Barium (mg/L)	ARGWC-18	0.03992	0.03633	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARAMW-4	0.04494	0.03267	2	No	11	0	sqrt(x)	0.01	Param.
Beryllium (mg/L)	ARGWC-7	0.0005	0.00041	0.004	No	22	90.91	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-8	0.0005	0.00047	0.004	No	22	95.45	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-9	0.0005	0.00037	0.004	No	22	95.45	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-16	0.0005	0.00027	0.004	No	22	95.45	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-17	0.0025	0.000344	0.004	No	22	31.82	No	0.01	NP (normality)
Beryllium (mg/L)	ARGWC-18	0.0005	0.00034	0.004	No	22	95.45	No	0.01	NP (NDs)
Cadmium (mg/L)	ARGWC-16	0.001	0.0001	0.005	No	24	95.83	No	0.01	NP (NDs)
Cadmium (mg/L)	ARGWC-17	0.001	0.000445	0.005	No	24	79.17	No	0.01	NP (NDs)
Cadmium (mg/L)	ARAMW-4	0.001	0.000451	0.005	No	11	81.82	No	0.006	NP (NDs)
Chromium (mg/L)	ARGWC-7	0.003807	0.003174	0.1	No	22	4.545	No	0.01	Param.
Chromium (mg/L)	ARGWC-8	0.01	0.0017	0.1	No	22	90.91	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-9	0.0097	0.0071	0.1	No	22	0	No	0.01	NP (normality)
Chromium (mg/L)	ARGWC-10	0.005339	0.00463	0.1	No	22	0	sqrt(x)	0.01	Param.
Chromium (mg/L)	ARGWC-15	0.01	0.0087	0.1	No	22	86.36	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-16	0.0027	0.0017	0.1	No	22	27.27	No	0.01	NP (normality)
Chromium (mg/L)	ARGWC-17	0.01	0.0021	0.1	No	22	86.36	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-7	0.001	0.00034	0.006	No	23	91.3	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-8	0.001	0.00023	0.006	No	23	65.22	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-9	0.001	0.00021	0.006	No	23	86.96	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-10	0.001	0.00019	0.006	No	23	82.61	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-15	0.001601	0.0003719	0.006	No	23	39.13	ln(x)	0.01	Param.
Cobalt (mg/L)	ARGWC-16	0.001	0.00026	0.006	No	23	86.96	No	0.01	NP (NDs)
Cobalt (mg/L)	**ARGWC-17**	**0.03249**	**0.02097**	**0.006**	**Yes**	**23**	**0**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	ARGWC-18	0.00143	0.001138	0.006	No	23	0	No	0.01	Param.
Cobalt (mg/L)	ARAMW-4	0.004964	0.003158	0.006	No	14	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-7	0.804	0.316	5	No	22	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-8	0.616	0.255	5	No	22	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-9	0.6006	0.2169	5	No	22	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-10	0.6074	0.01735	5	No	22	0	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-15	1.116	0.4617	5	No	22	0	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-16	0.712	0.255	5	No	22	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-17	0.781	0.175	5	No	22	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-18	0.693	0.334	5	No	22	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARAMW-4	1.467	0.5579	5	No	11	0	sqrt(x)	0.01	Param.
Fluoride (mg/L)	ARGWC-7	0.1	0.062	4	No	24	66.67	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-8	0.1747	0.1222	4	No	23	0	No	0.01	Param.
Fluoride (mg/L)	ARGWC-9	0.09482	0.04532	4	No	24	41.67	sqrt(x)	0.01	Param.
Fluoride (mg/L)	ARGWC-10	0.08248	0.04698	4	No	24	37.5	x^(1/3)	0.01	Param.
Fluoride (mg/L)	ARGWC-15	0.1496	0.08426	4	No	24	16.67	No	0.01	Param.
Fluoride (mg/L)	ARGWC-16	0.2	0.038	4	No	24	54.17	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-17	0.2	0.055	4	No	24	62.5	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-18	0.1245	0.07993	4	No	23	4.348	x^(1/3)	0.01	Param.
Fluoride (mg/L)	ARAMW-4	0.5	0.028	4	No	12	16.67	No	0.01	NP (normality)
Lead (mg/L)	ARGWC-8	0.002	0.00024	0.015	No	24	91.67	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-9	0.002	0.00016	0.015	No	24	95.83	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-10	0.031	0.00014	0.015	No	25	88	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-15	0.002	0.0016	0.015	No	24	75	No	0.01	NP (NDs)

Confidence Interval Summary Table - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 3:19 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Lead (mg/L)	ARGWC-16	0.002	0.00021	0.015	No	24	95.83	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-17	0.002	0.00022	0.015	No	24	95.83	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-18	0.002	0.00031	0.015	No	24	83.33	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-7	0.01	0.0034	0.04	No	23	52.17	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-8	0.004058	0.003188	0.04	No	23	26.09	sqrt(x)	0.01	Param.
Lithium (mg/L)	ARGWC-9	0.01	0.0061	0.04	No	23	95.65	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-10	0.01	0.0055	0.04	No	23	82.61	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-15	0.01	0.004	0.04	No	23	69.57	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-16	0.01	0.0076	0.04	No	23	82.61	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-17	0.01	0.0071	0.04	No	23	82.61	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-18	0.0047	0.0037	0.04	No	23	8.696	No	0.01	NP (normality)
Lithium (mg/L)	ARAMW-4	0.01465	0.01235	0.04	No	12	0	No	0.01	Param.
Mercury (mg/L)	ARGWC-7	0.0002	0.00007	0.002	No	19	94.74	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-8	0.0002	0.000081	0.002	No	19	94.74	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-10	0.0002	0.000077	0.002	No	19	94.74	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-15	0.0002	0.000071	0.002	No	19	94.74	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-16	0.0002	0.000094	0.002	No	19	68.42	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-18	0.0002	0.000074	0.002	No	19	94.74	No	0.01	NP (NDs)
Molybdenum (mg/L)	ARGWC-8	0.04311	0.03883	0.1	No	23	0	No	0.01	Param.
Molybdenum (mg/L)	ARGWC-15	0.00212	0.00105	0.1	No	23	26.09	No	0.01	NP (normality)
Molybdenum (mg/L)	ARGWC-18	0.001	0.000288	0.1	No	23	95.65	No	0.01	NP (NDs)
Molybdenum (mg/L)	ARAMW-4	0.001	0.000218	0.1	No	12	41.67	No	0.01	NP (normality)
Selenium (mg/L)	ARGWC-7	0.005	0.0028	0.05	No	24	91.67	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-9	0.005	0.00029	0.05	No	24	91.67	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-10	0.005	0.0017	0.05	No	24	95.83	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-15	0.005	0.0005	0.05	No	24	87.5	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-16	0.003145	0.001684	0.05	No	24	4.167	No	0.01	Param.
Selenium (mg/L)	ARGWC-17	0.005	0.00231	0.05	No	24	91.67	No	0.01	NP (NDs)
Selenium (mg/L)	ARAMW-4	0.005	0.00257	0.05	No	11	63.64	No	0.006	NP (NDs)
Silver (mg/L)	ARGWC-15	0.001	0.00037	0.0051	No	19	89.47	No	0.01	NP (NDs)
Silver (mg/L)	ARGWC-16	0.001	0.00026	0.0051	No	19	94.74	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-15	0.002	0.000095	0.002	No	22	95.45	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-16	0.002	0.00027	0.002	No	22	86.36	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-17	0.002	0.00063	0.002	No	22	95.45	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-18	0.002	0.00028	0.002	No	22	95.45	No	0.01	NP (NDs)
Thallium (mg/L)	**ARAMW-4**	**0.002**	**0.002**	**0.002**	**Yes**	**11**	**90.91**	**No**	**0.006**	**NP (NDs)**

Appendix I & IV - Trend Tests - All Results (No Significant)

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 3:29 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	ARGWA-3 (bg)	0	5	76	No	23	91.3	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-5 (bg)	0	-3	-76	No	23	86.96	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-12 (bg)	-0.000001327	-59	-76	No	23	47.83	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-13 (bg)	0	9	76	No	23	91.3	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-14 (bg)	0	6	76	No	23	95.65	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-24 (bg)	0	8	27	No	11	63.64	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWC-17	0.001414	71	76	No	23	0	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-3 (bg)	0	5	71	No	22	90.91	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-5 (bg)	0	0	71	No	22	81.82	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-12 (bg)	0	0	71	No	22	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-13 (bg)	0	0	71	No	22	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-14 (bg)	0	-3	-71	No	22	95.45	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-24 (bg)	0	0	27	No	11	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARAMW-4	0	10	27	No	11	90.91	n/a	n/a	0.05	NP

FIGURE A.

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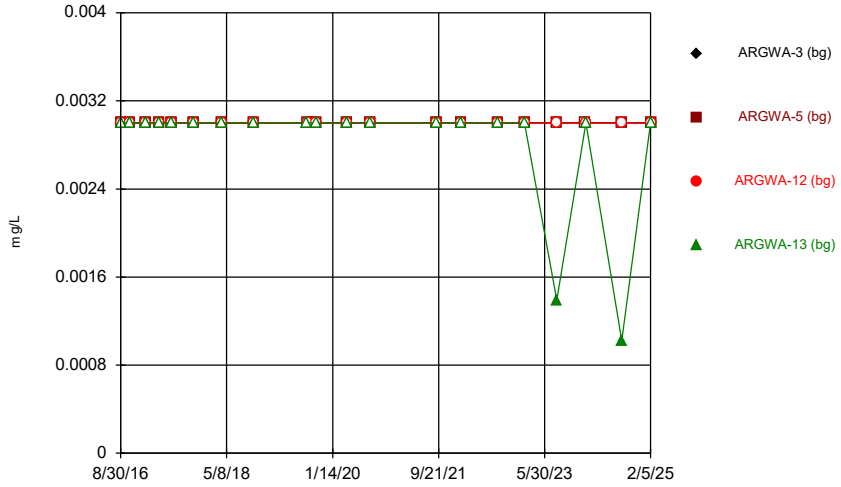

Constituent: Antimony Analysis Run 5/21/2025 9:13 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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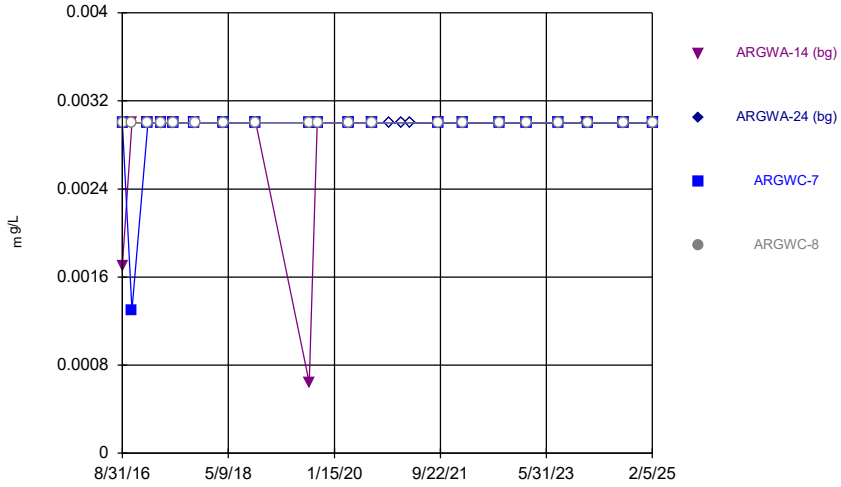

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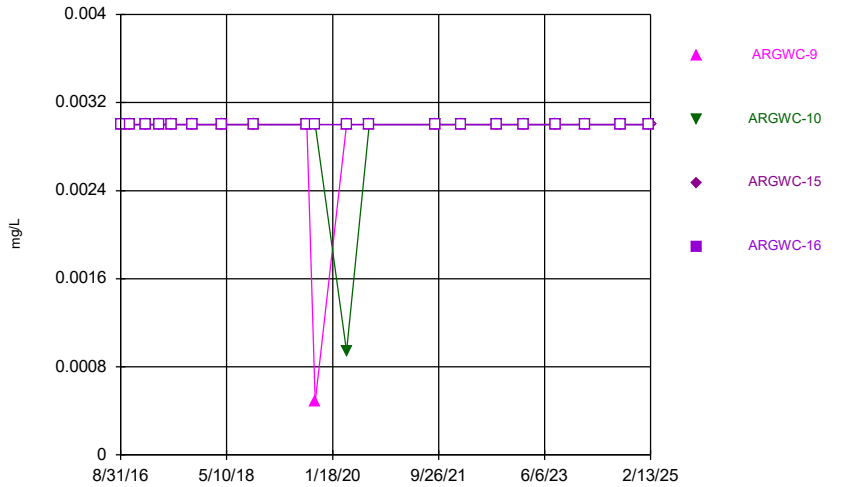

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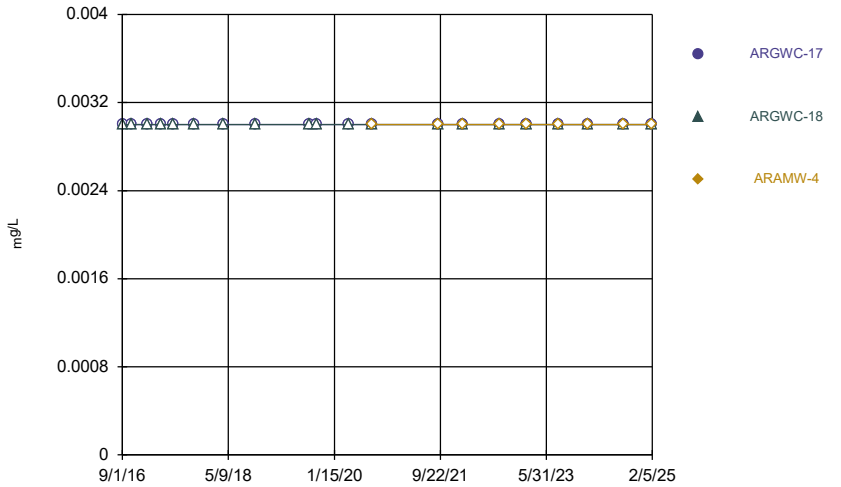

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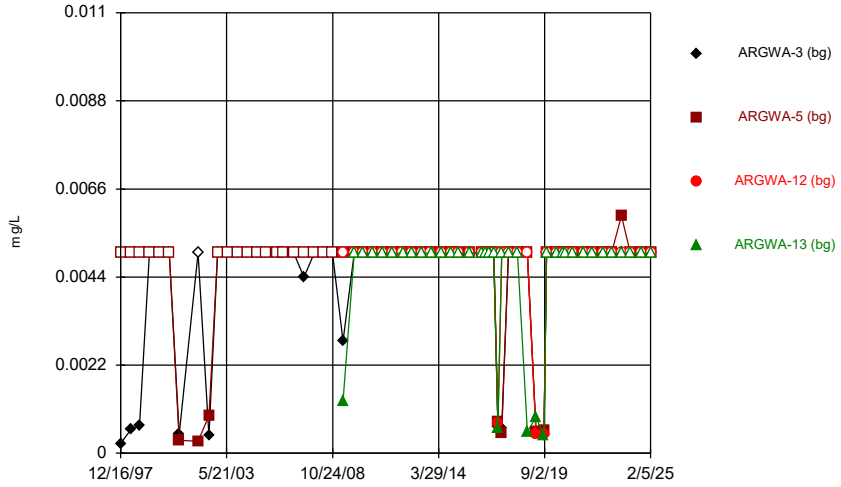

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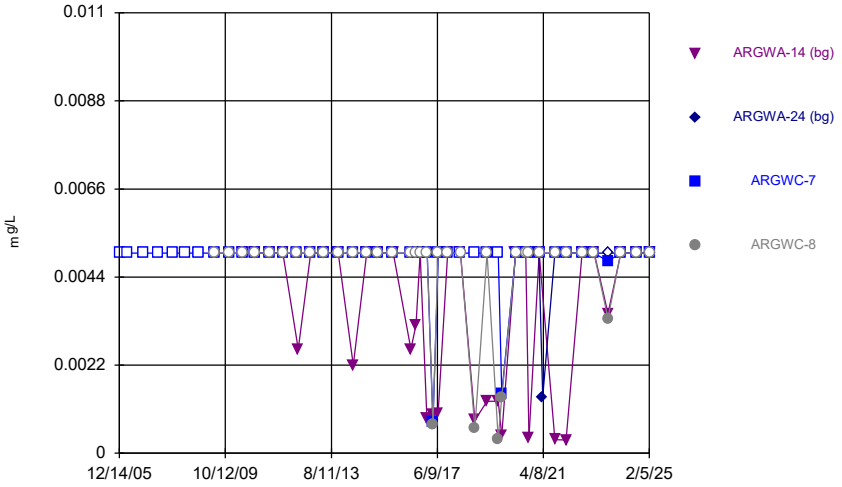

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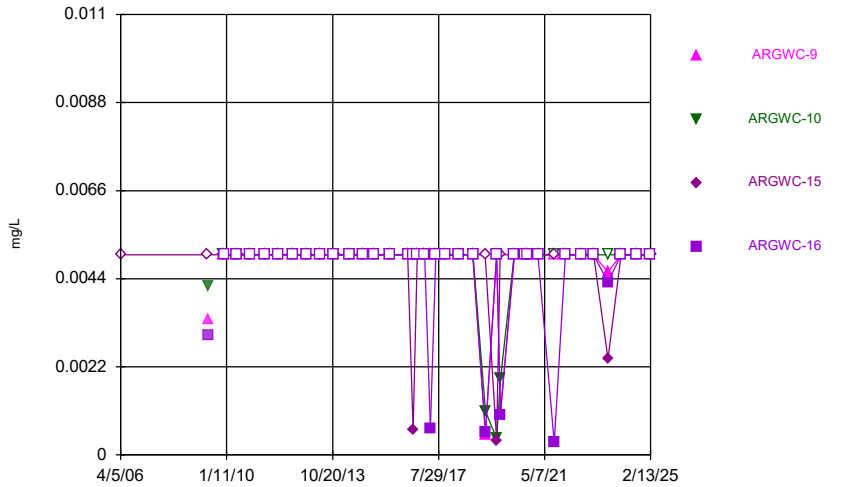

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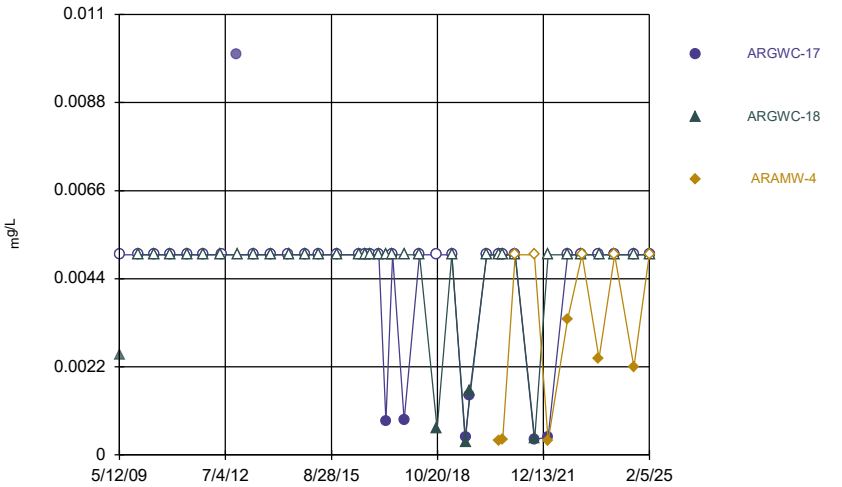

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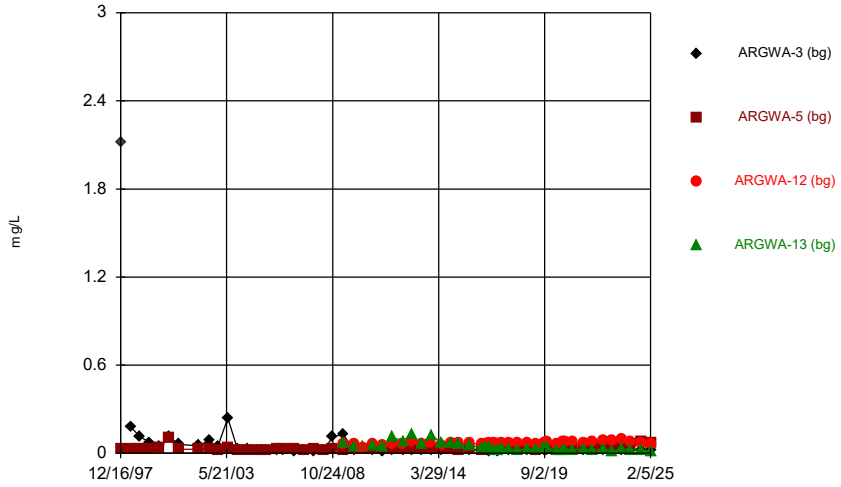

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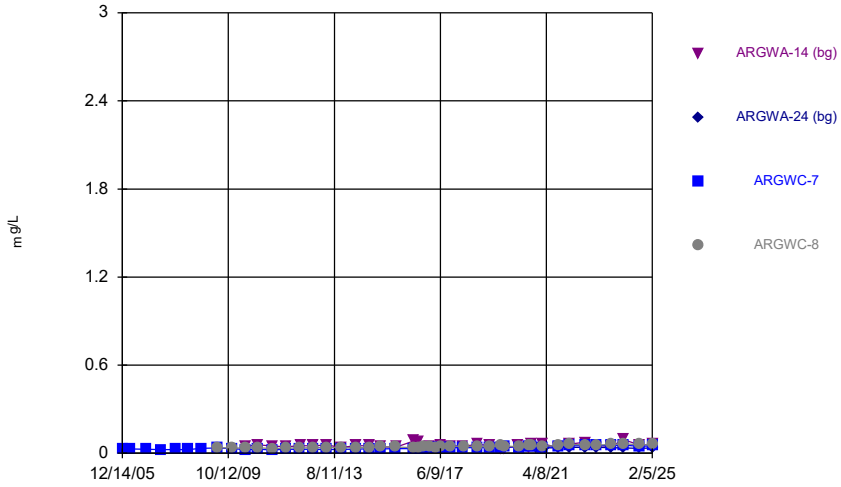

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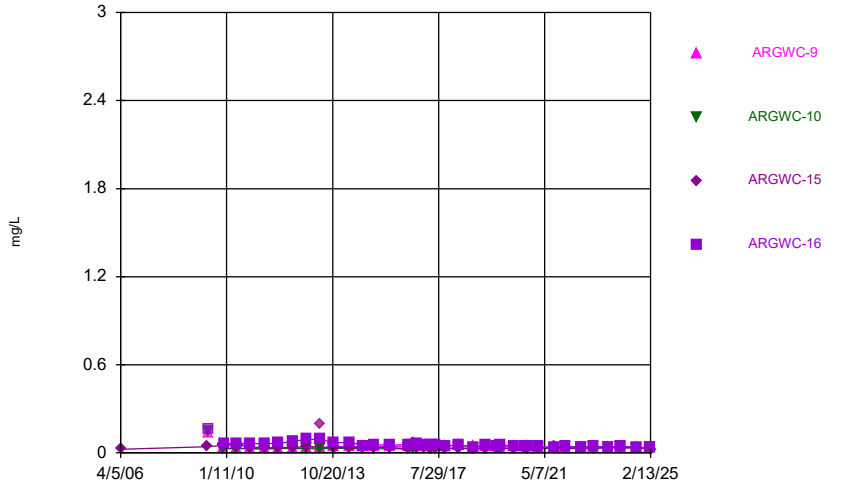

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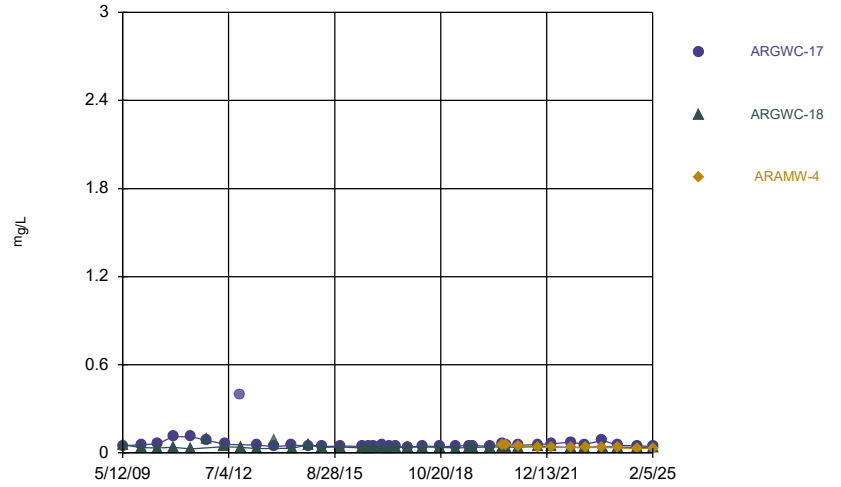

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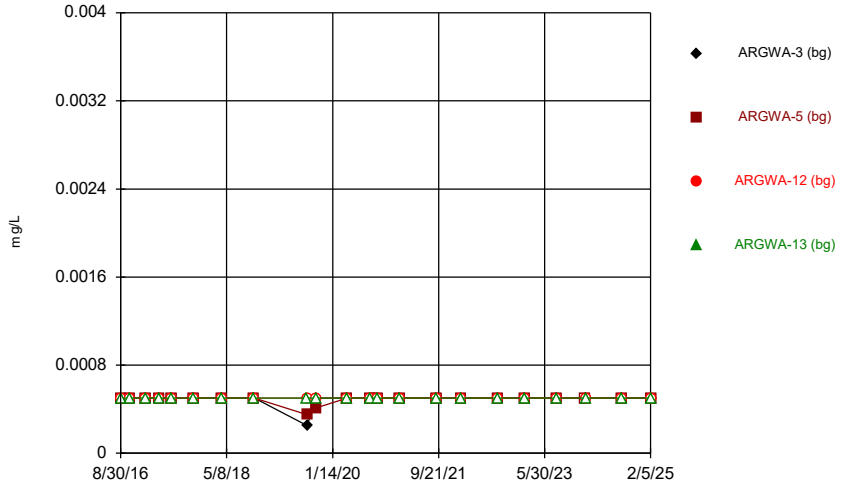
Hollow symbols indicate censored values.

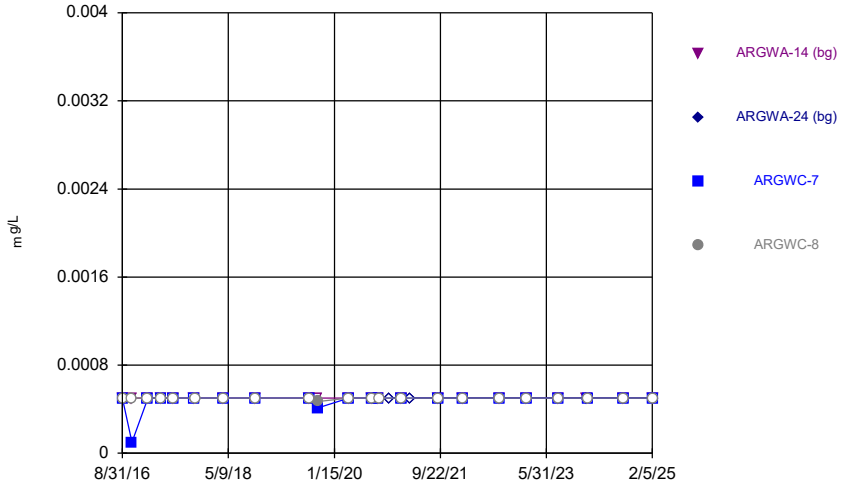
Time Series



Constituent: Beryllium Analysis Run 5/21/2025 9:13 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

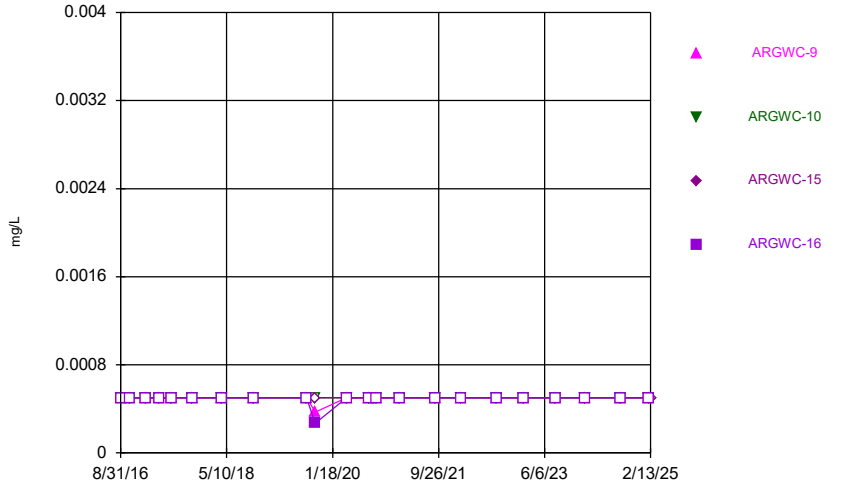
Time Series



Constituent: Beryllium Analysis Run 5/21/2025 9:13 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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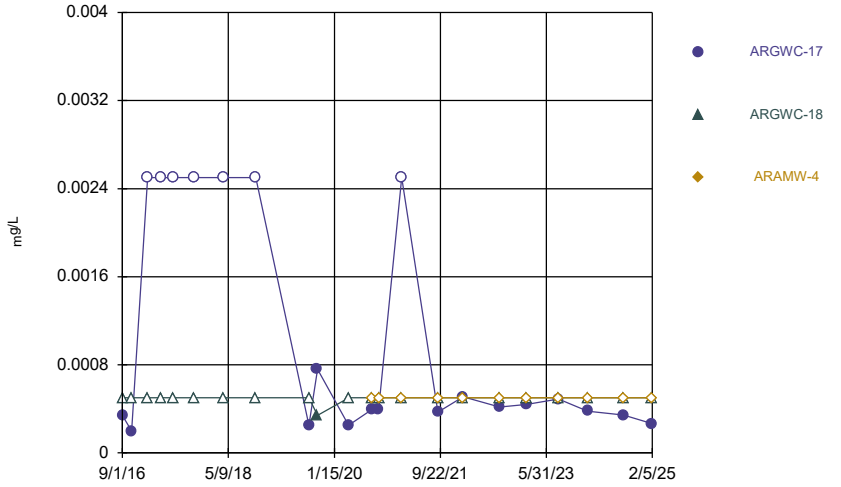
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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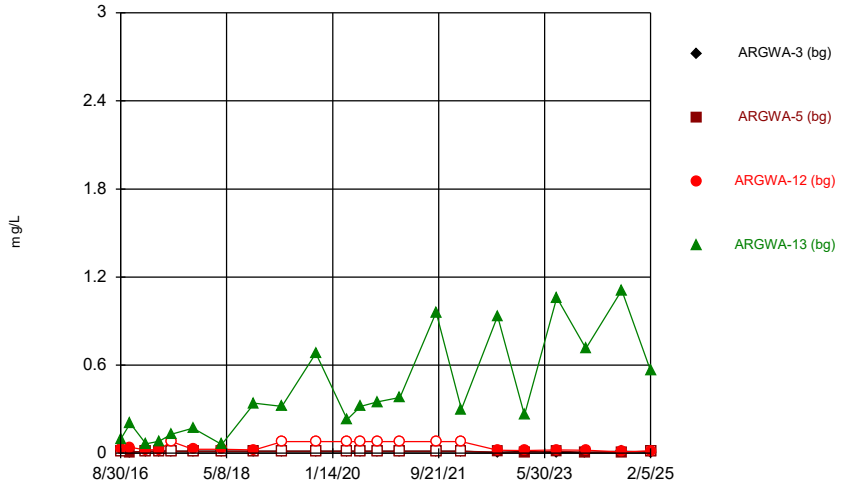
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

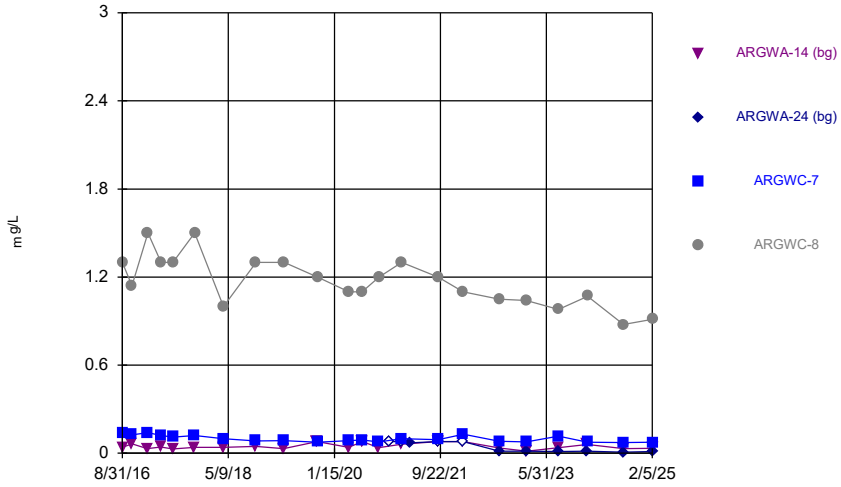
Time Series



Constituent: Boron Analysis Run 5/21/2025 9:13 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Boron Analysis Run 5/21/2025 9:13 AM View: Descriptive
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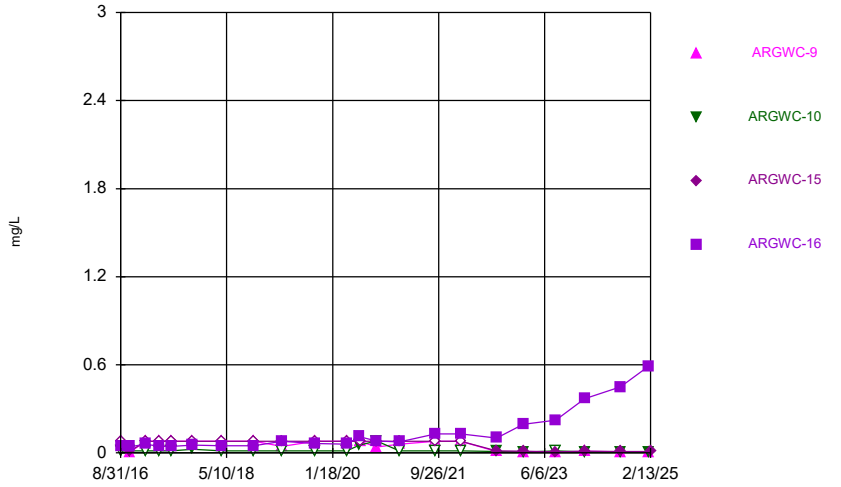
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Boron Analysis Run 5/21/2025 9:13 AM View: Descriptive
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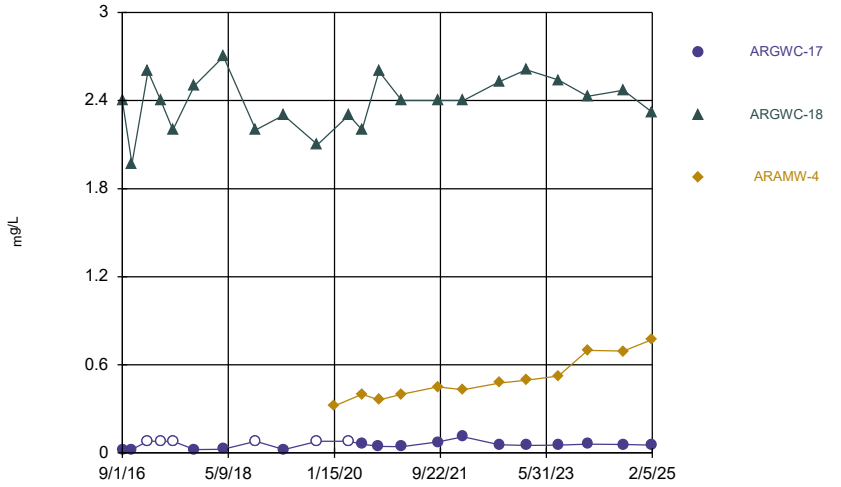
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

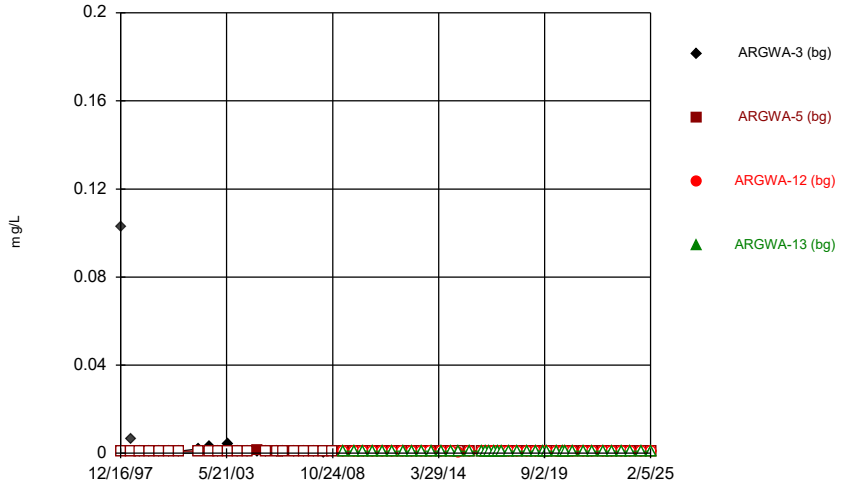
Time Series



Constituent: Boron Analysis Run 5/21/2025 9:13 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

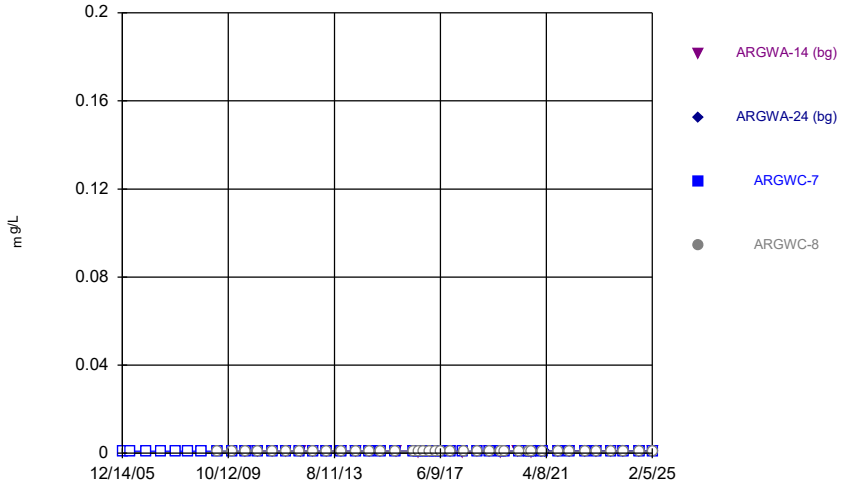
Time Series



Constituent: Cadmium Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
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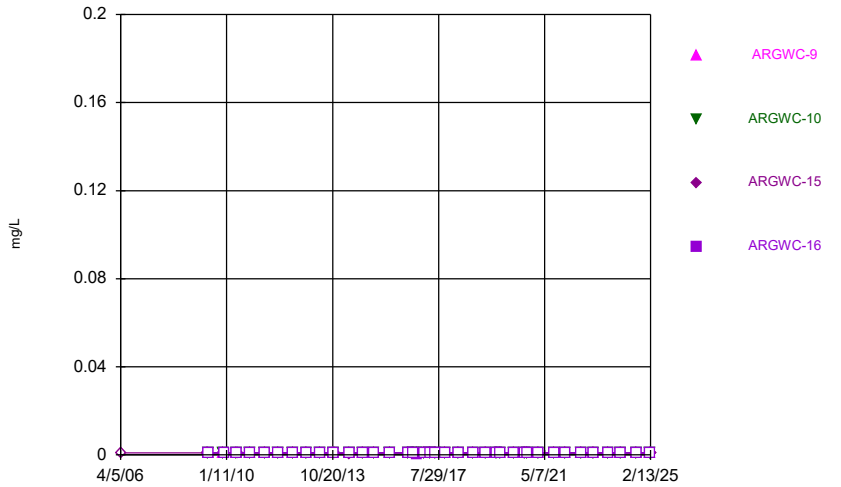
Time Series



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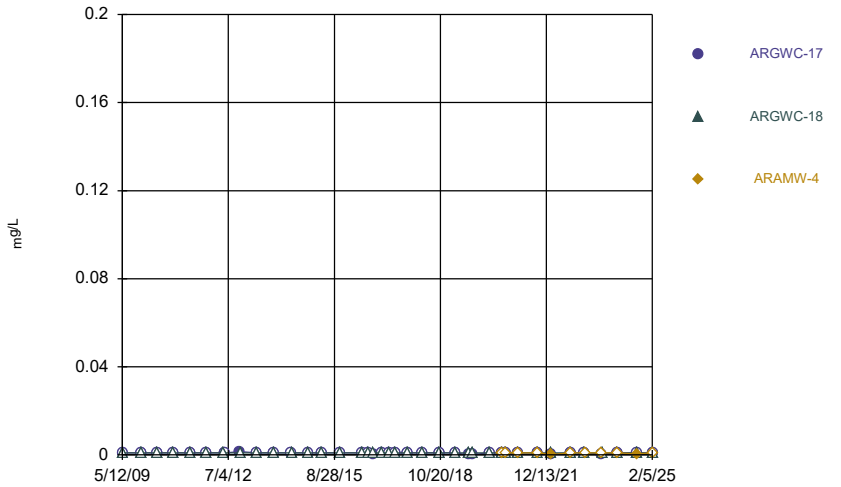
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

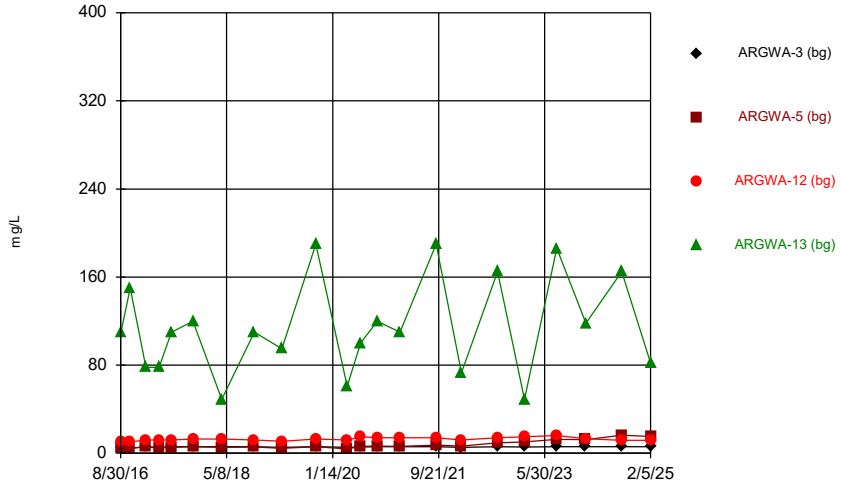
Time Series



Constituent: Cadmium Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

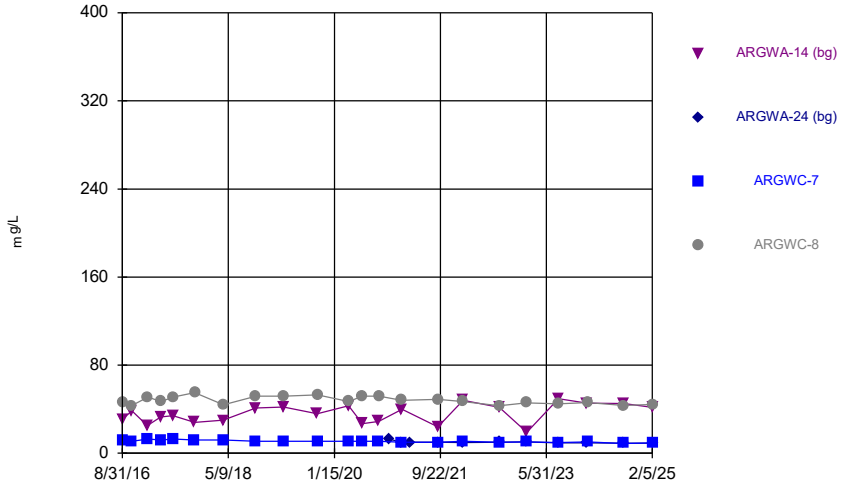
Time Series



Constituent: Calcium Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

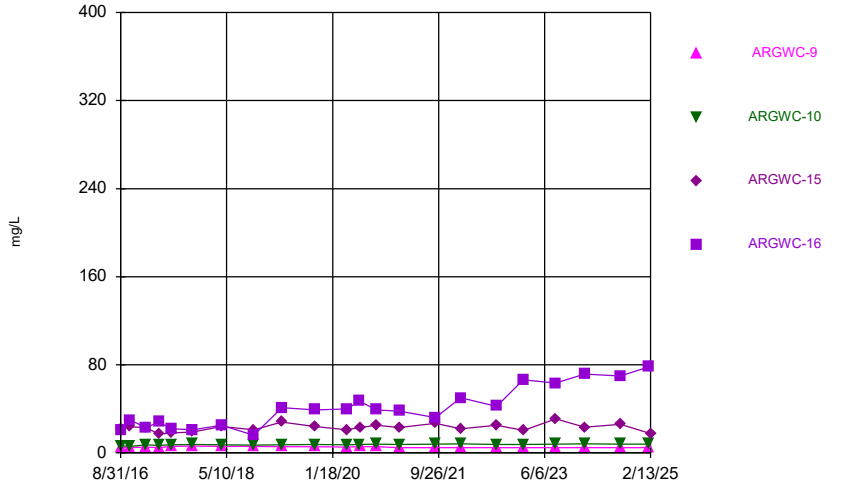
Time Series



Constituent: Calcium Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

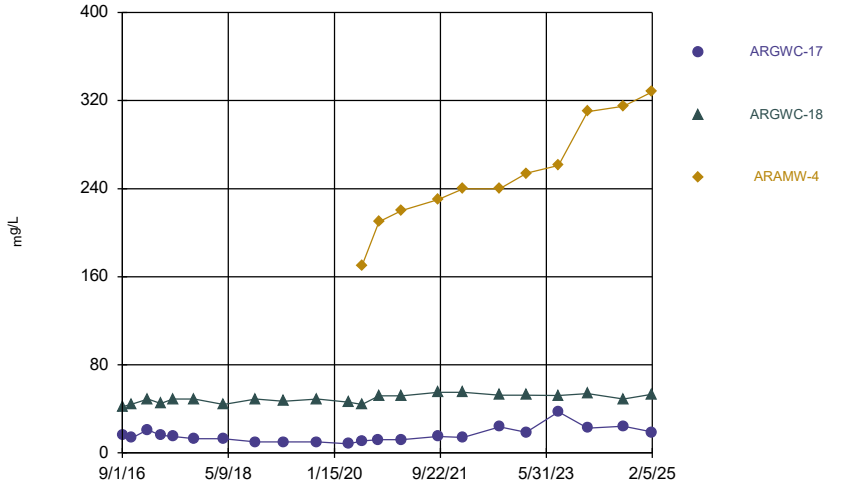
Time Series



Constituent: Calcium Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

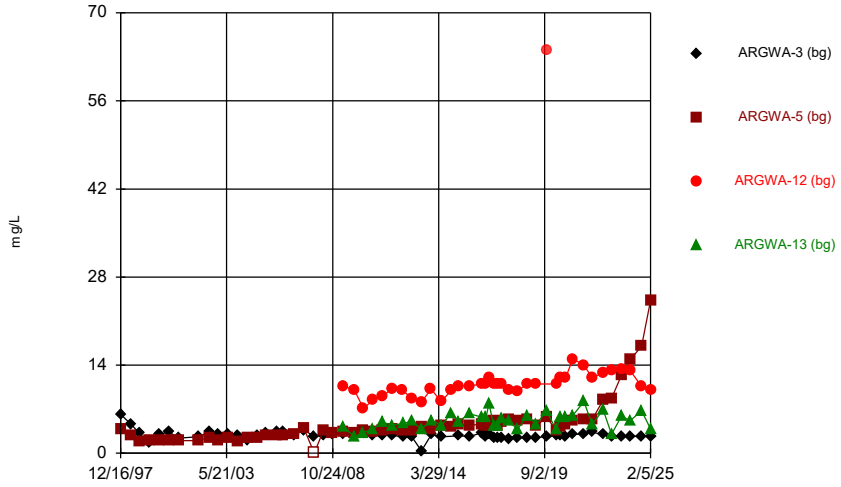
Time Series



Constituent: Calcium Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

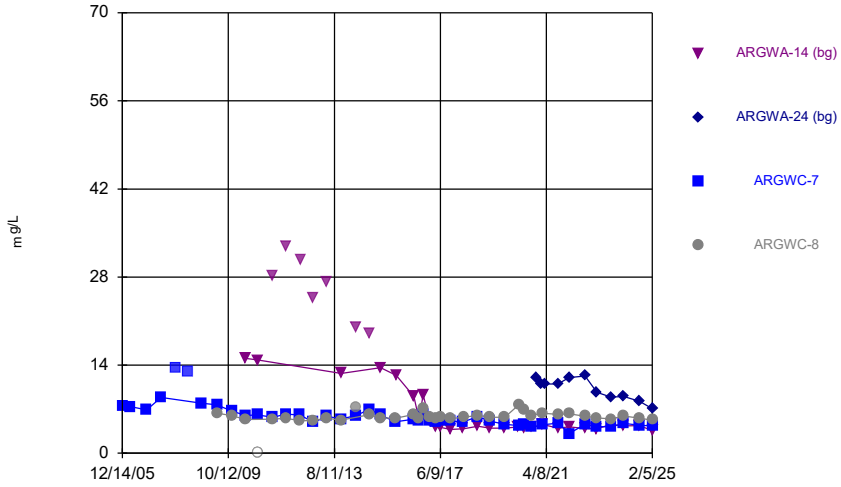
Time Series



Constituent: Chloride Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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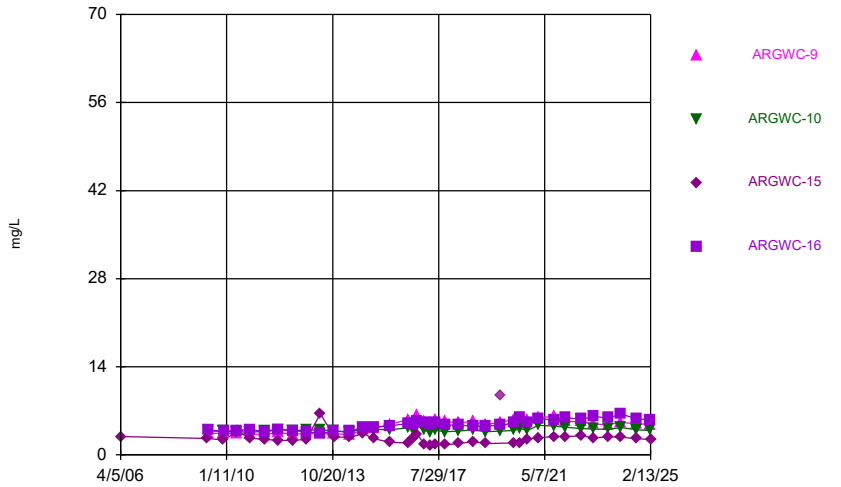
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

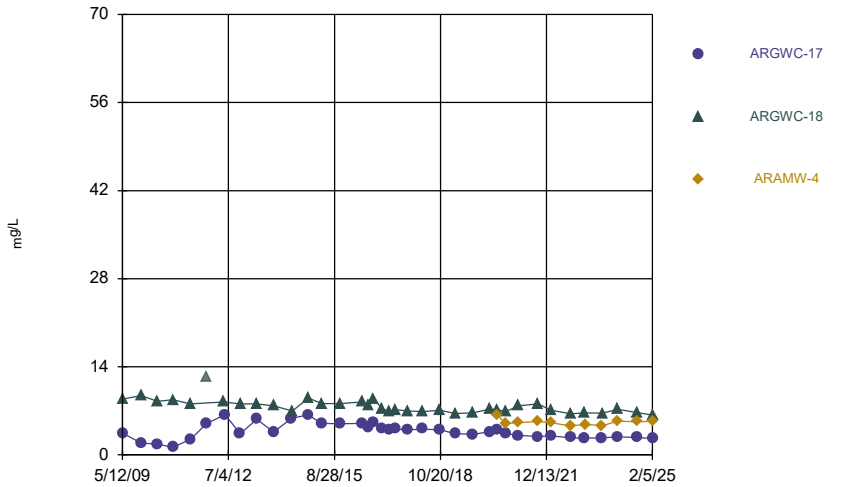
Time Series



Constituent: Chloride Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

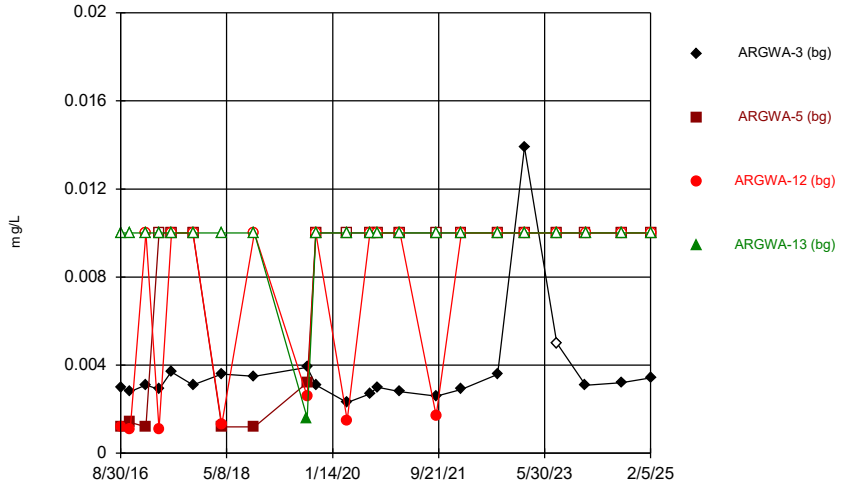
Time Series



Constituent: Chloride Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

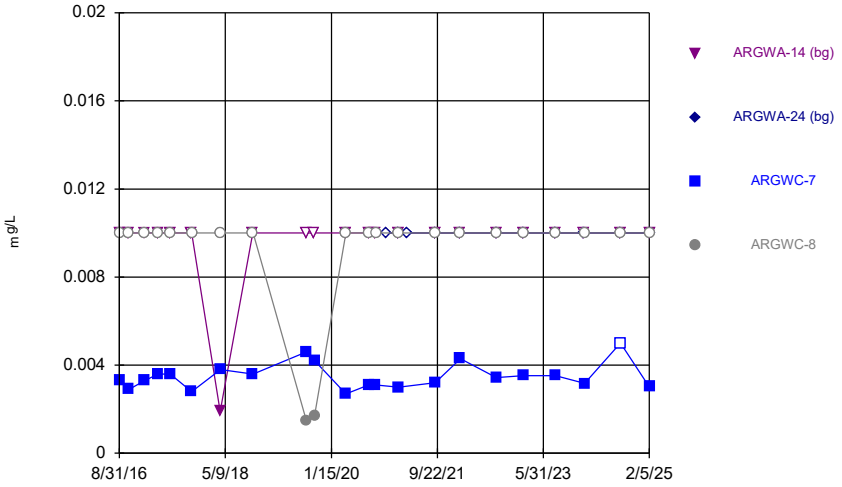
Time Series



Constituent: Chromium Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

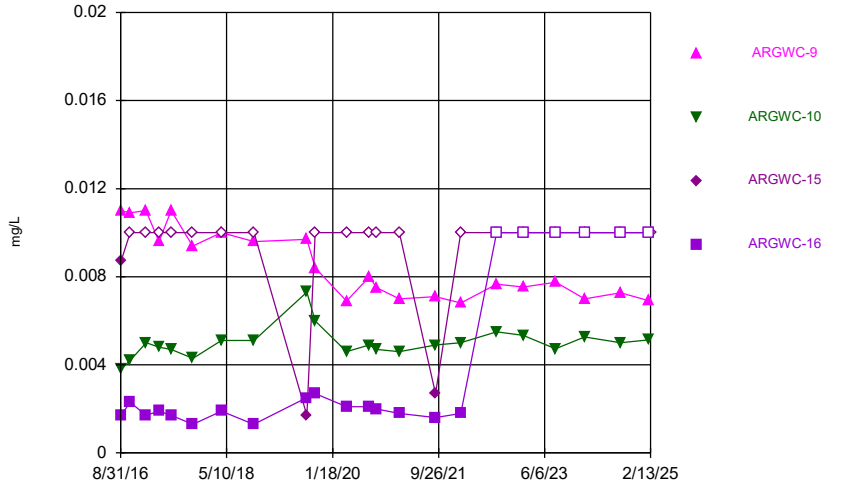
Time Series



Constituent: Chromium Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

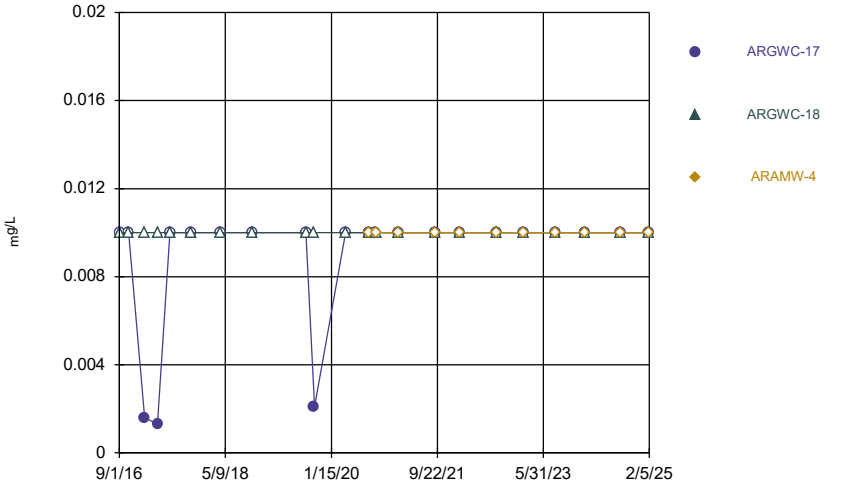
Time Series



Constituent: Chromium Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

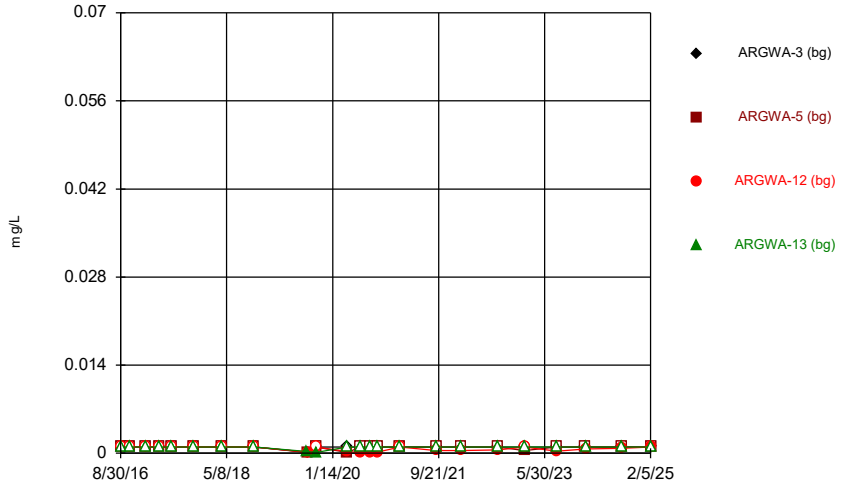
Time Series



Constituent: Chromium Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

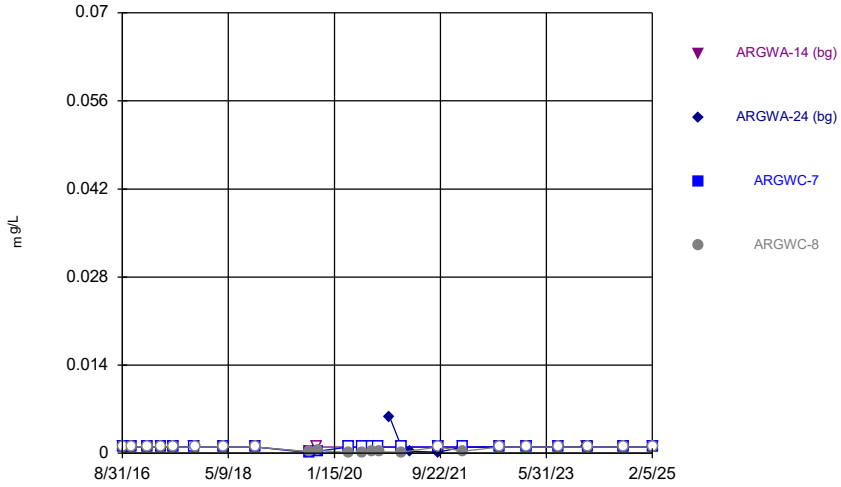
Time Series



Constituent: Cobalt Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

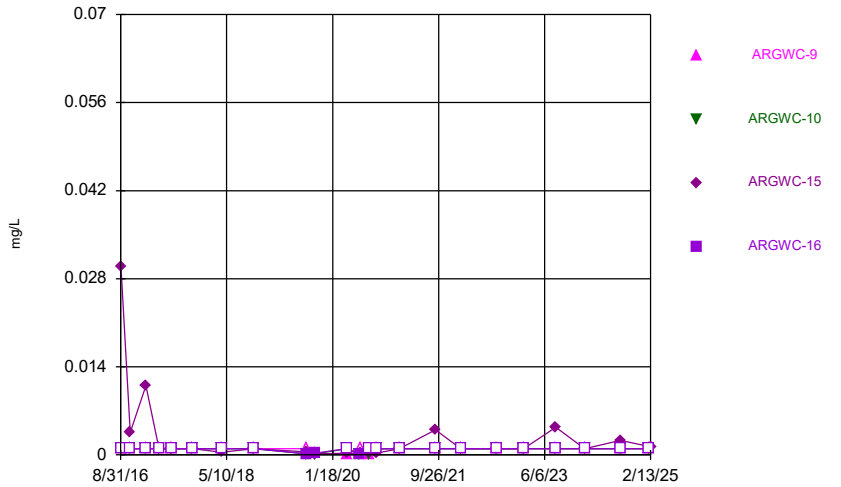
Time Series



Constituent: Cobalt Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

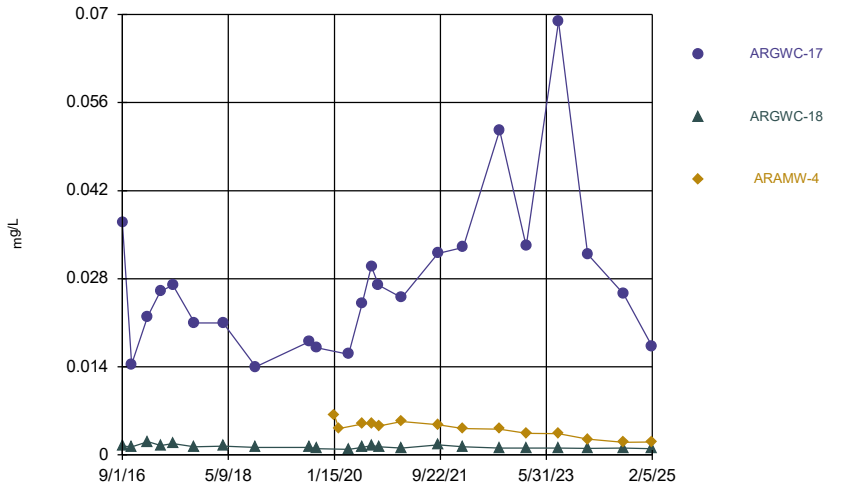
Time Series



Constituent: Cobalt Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

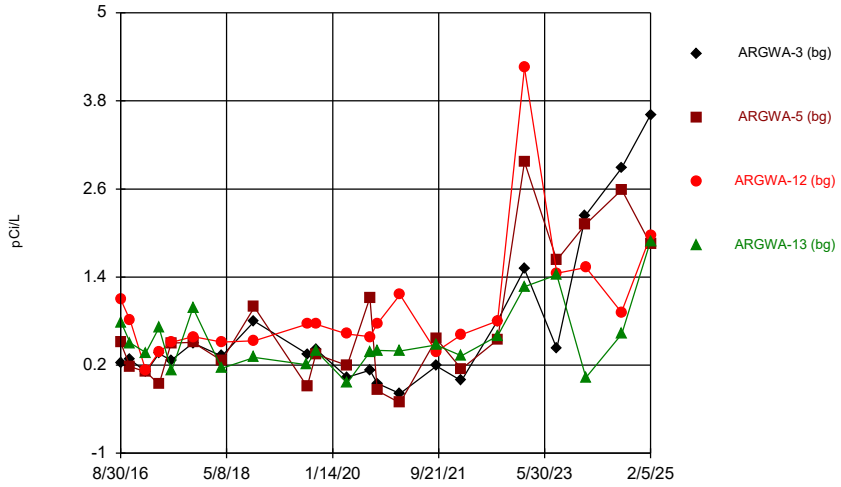
Time Series



Constituent: Cobalt Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

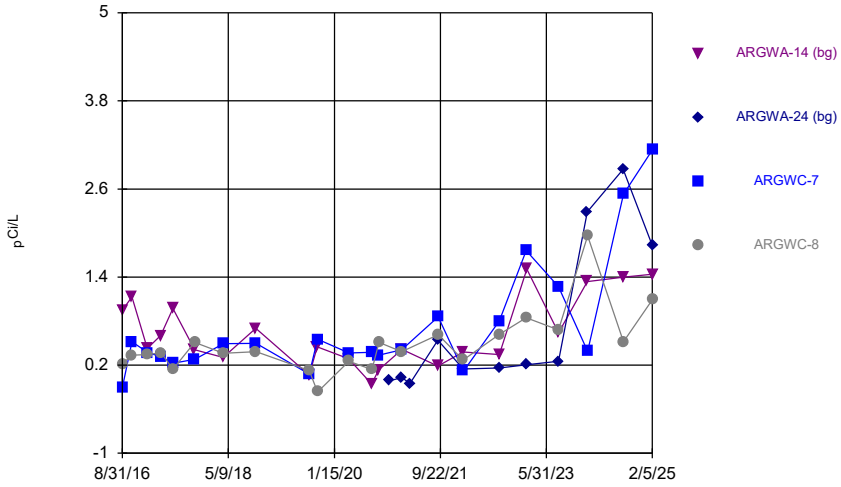
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

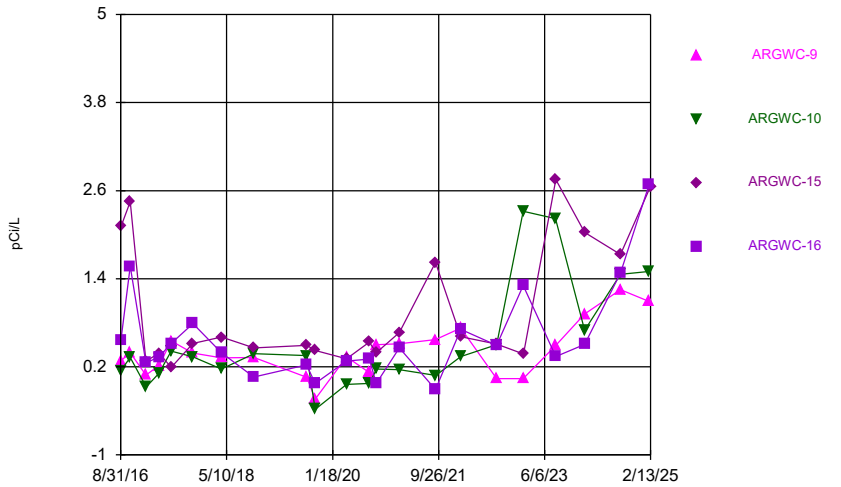
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

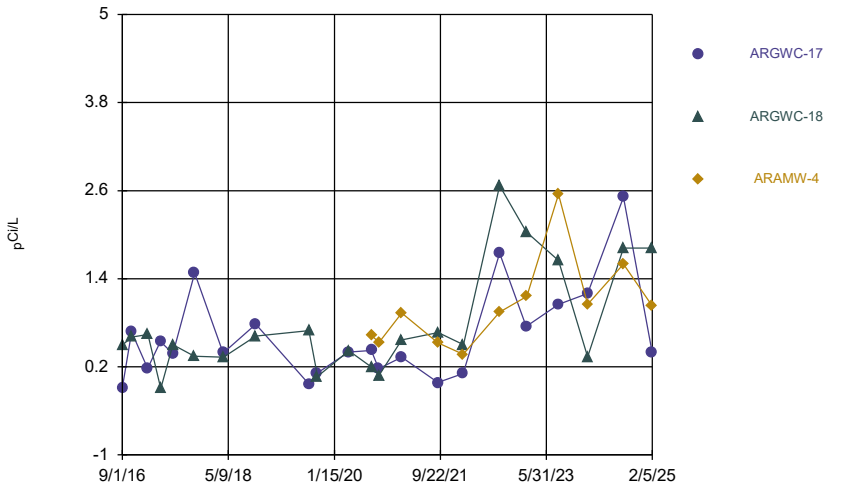
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

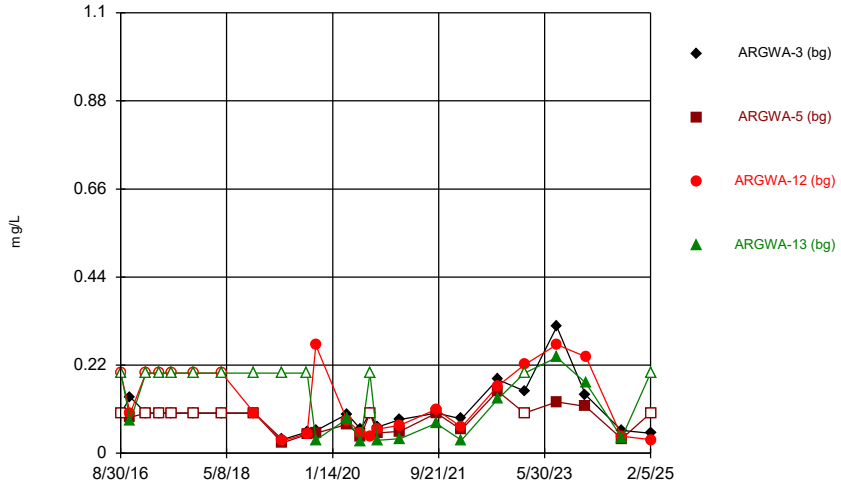
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

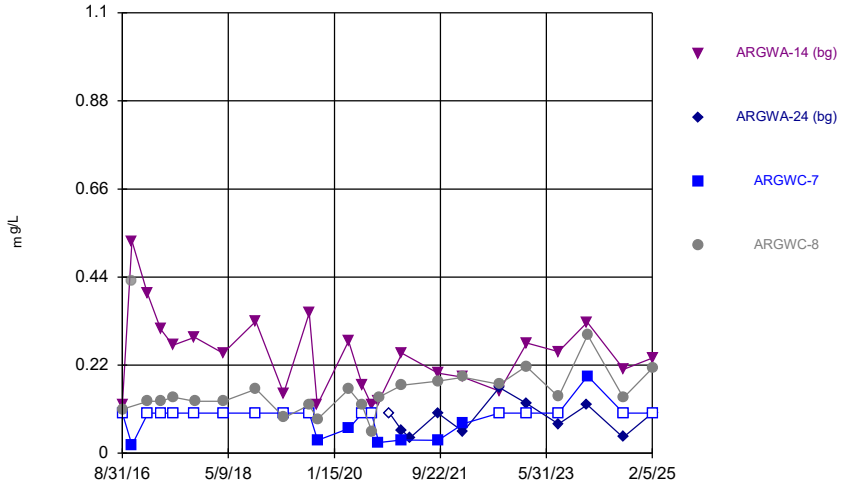
Time Series



Constituent: Fluoride Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

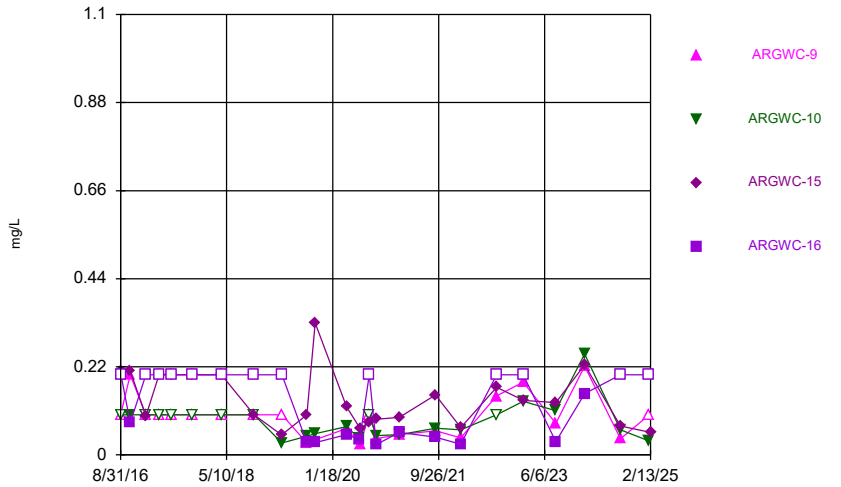
Time Series



Constituent: Fluoride Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

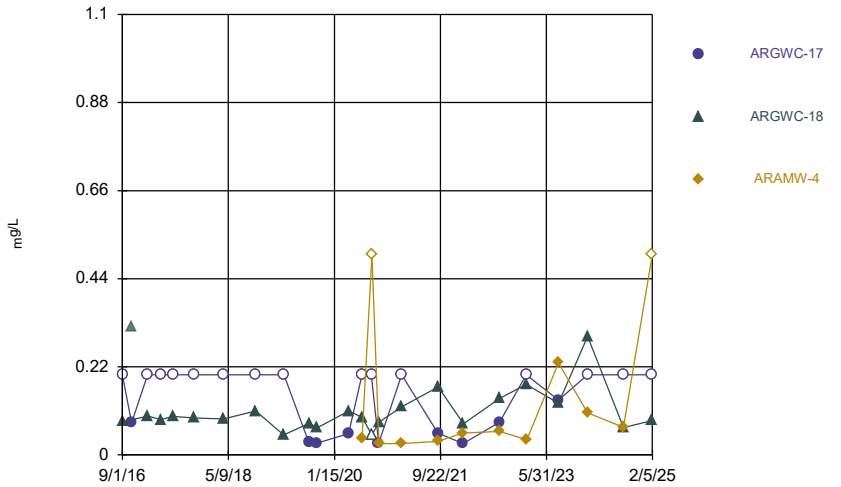
Time Series



Constituent: Fluoride Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

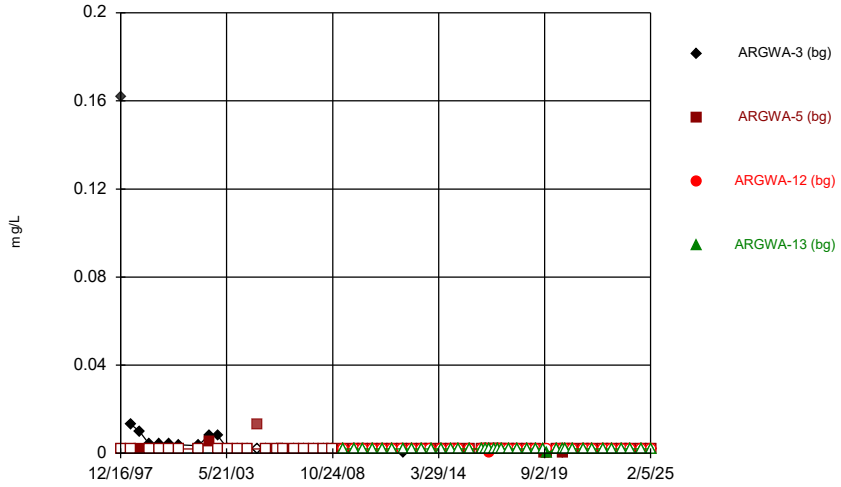
Time Series



Constituent: Fluoride Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

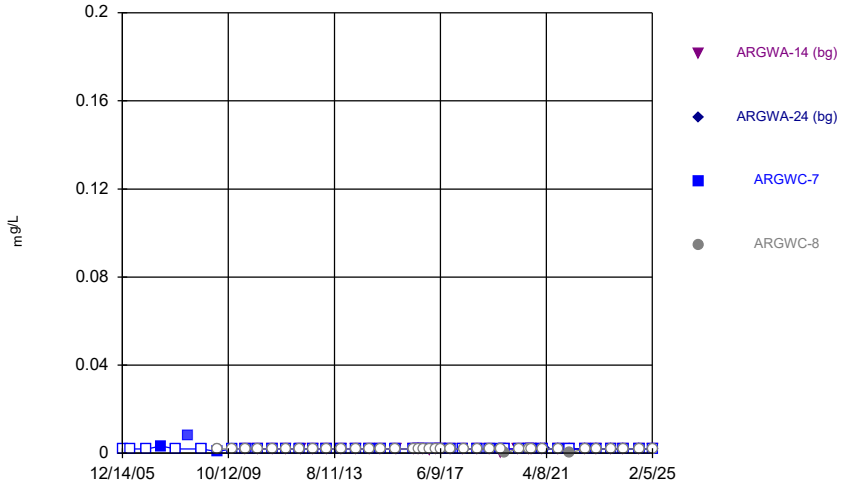
Time Series



Constituent: Lead Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

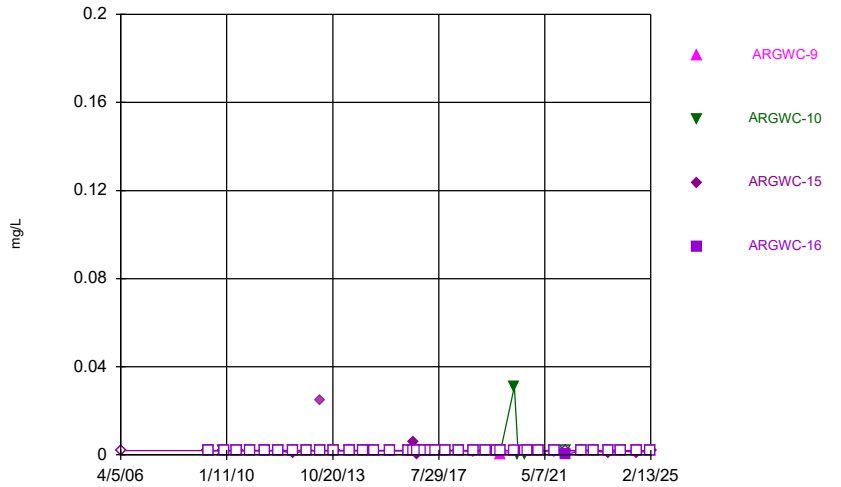
Time Series



Constituent: Lead Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Lead Analysis Run 5/21/2025 9:14 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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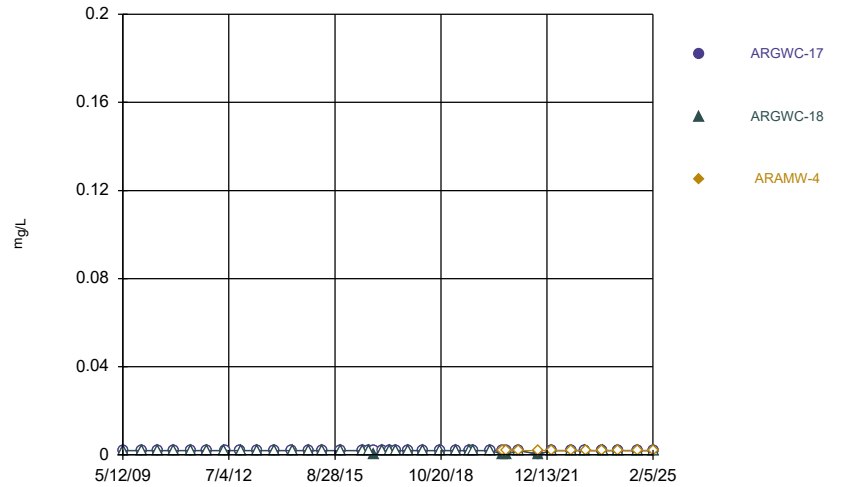
Hollow symbols indicate censored values.

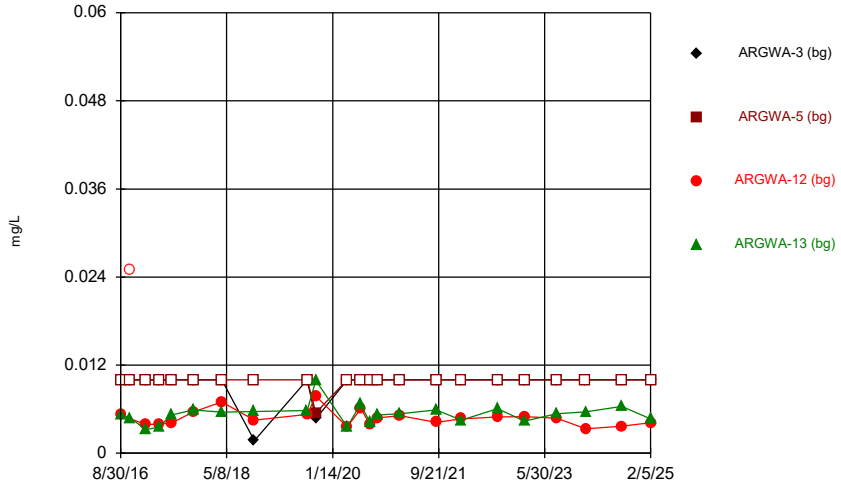
Time Series



Constituent: Lead Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

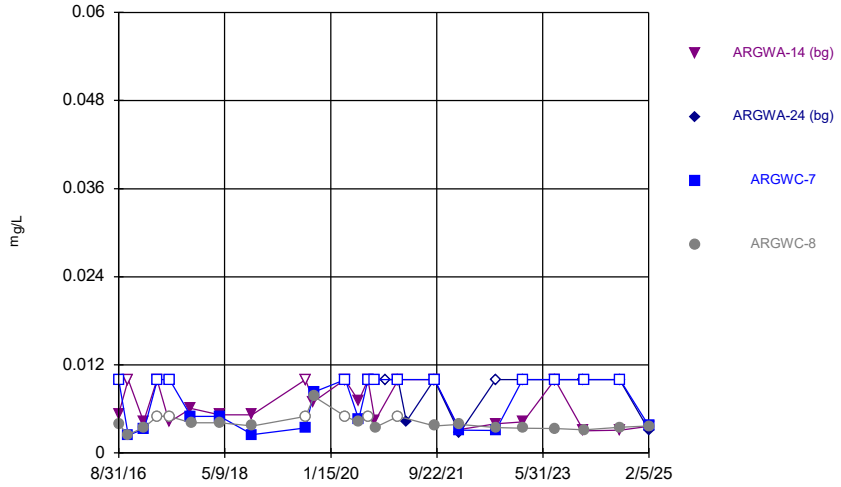
Time Series



Constituent: Lithium Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

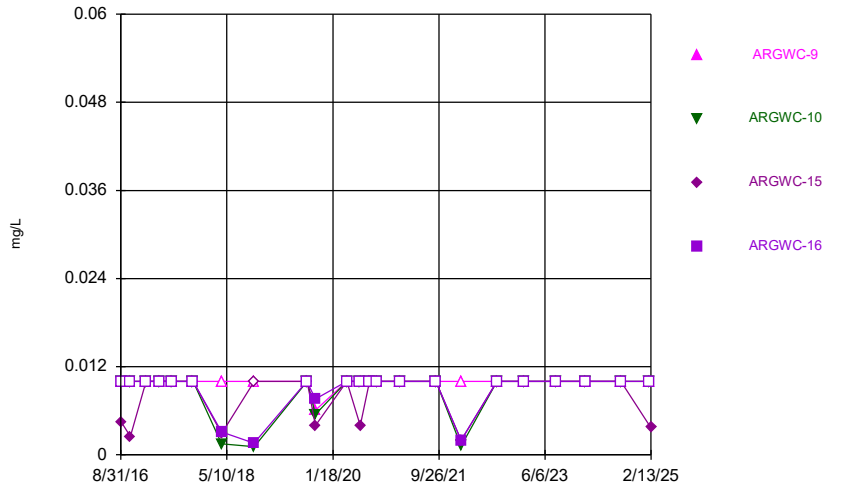
Time Series



Constituent: Lithium Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Lithium Analysis Run 5/21/2025 9:15 AM View: Descriptive
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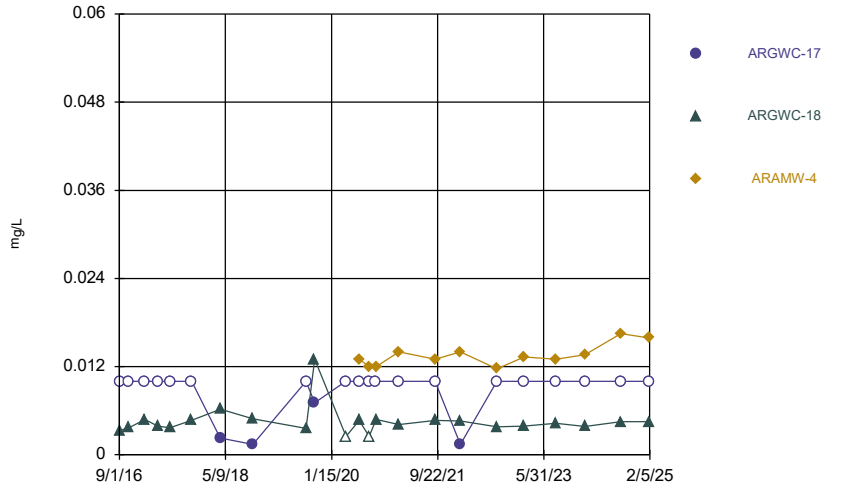
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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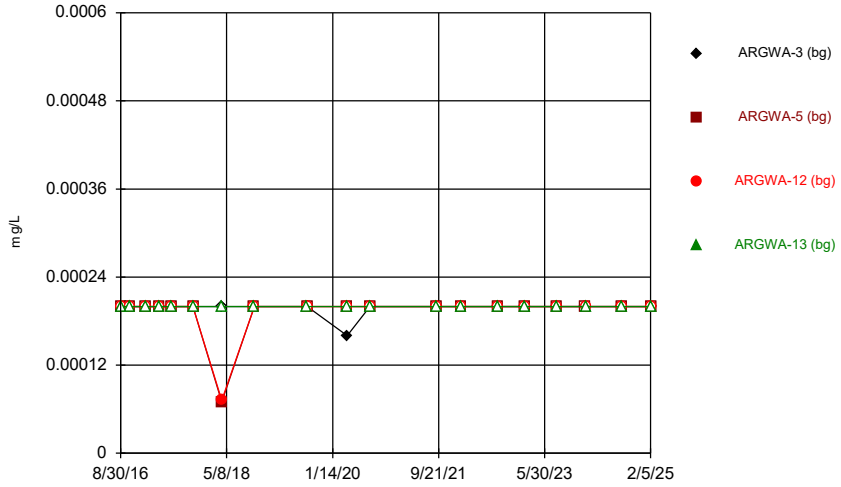
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

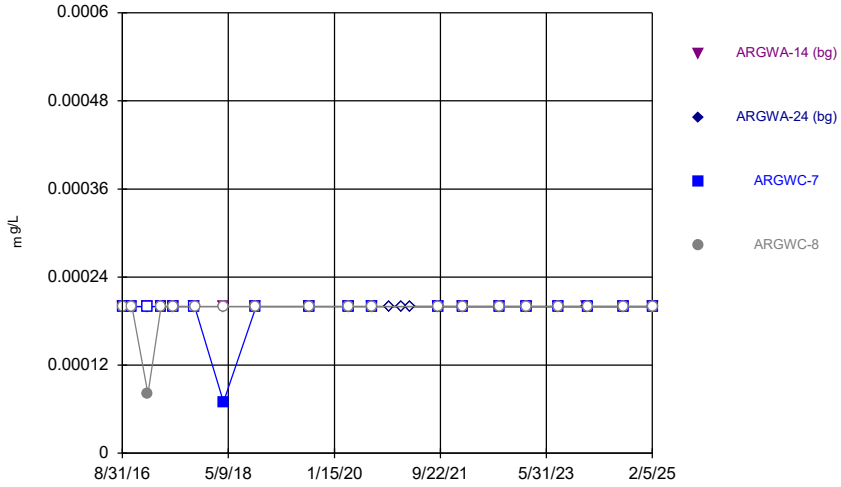
Time Series



Constituent: Mercury Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

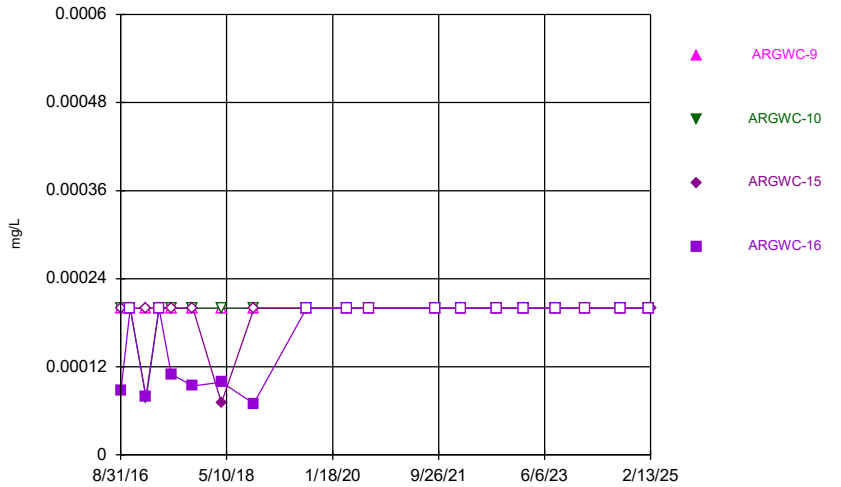
Time Series



Constituent: Mercury Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

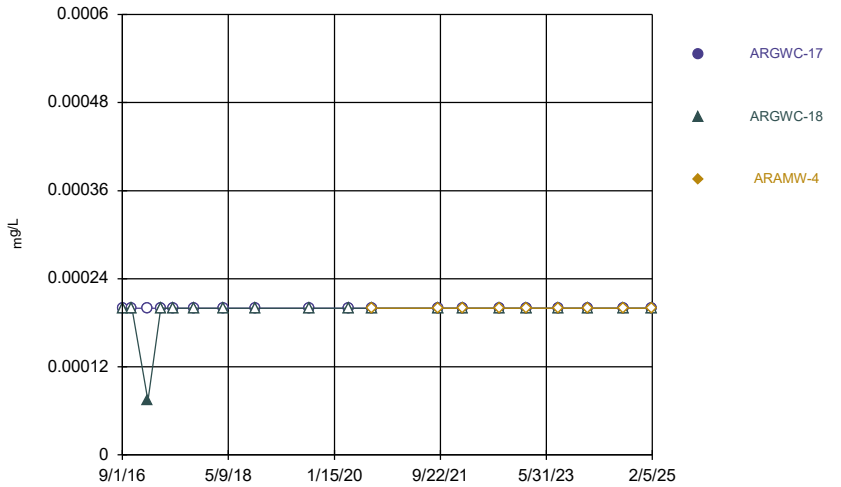
Time Series



Constituent: Mercury Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

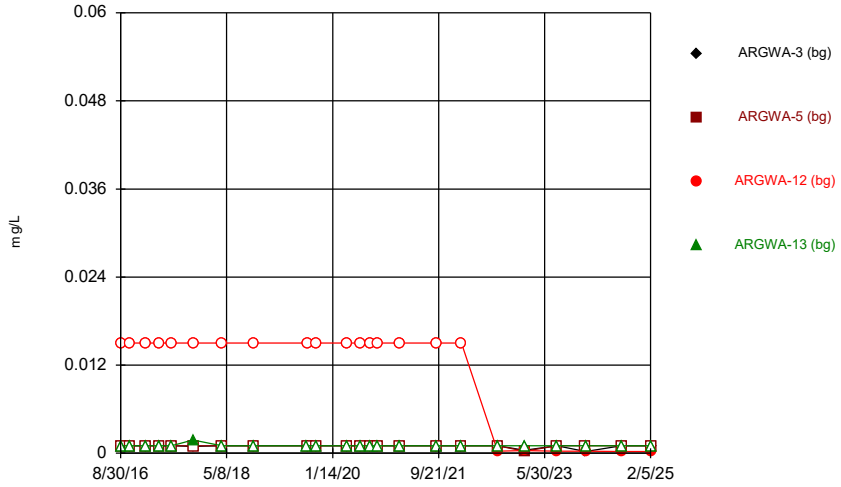
Time Series



Constituent: Mercury Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

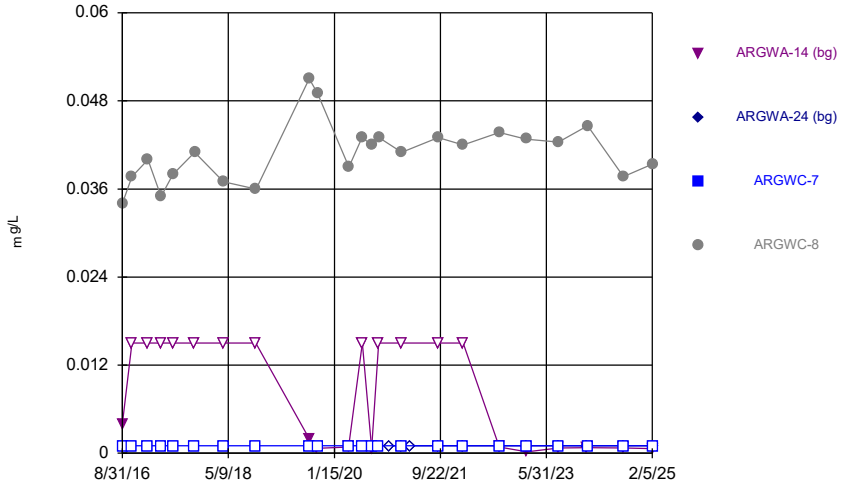
Time Series



Constituent: Molybdenum Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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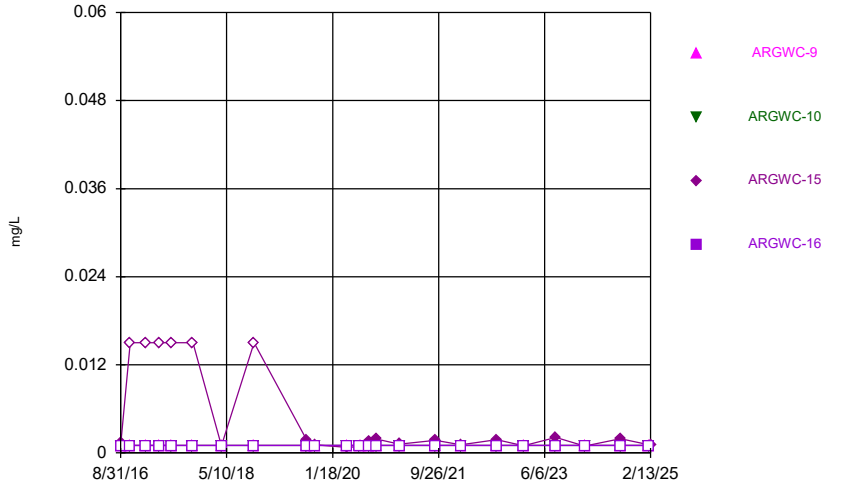
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Molybdenum Analysis Run 5/21/2025 9:15 AM View: Descriptive
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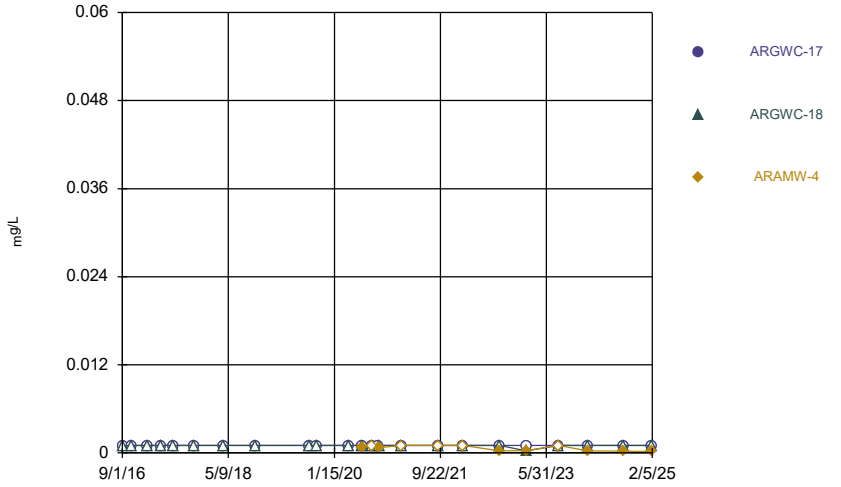
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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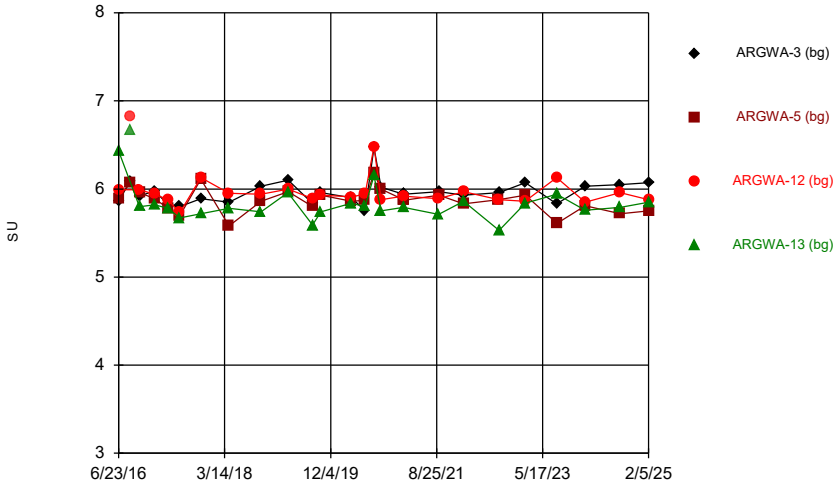
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

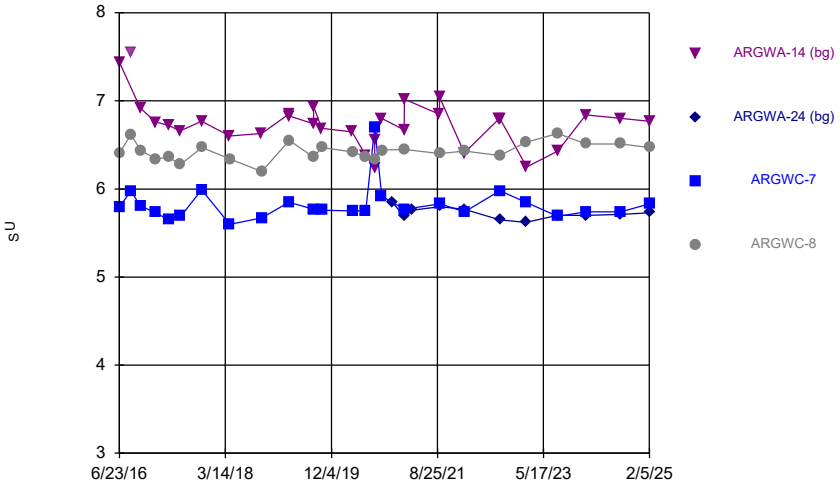
Time Series



Constituent: pH, Field Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

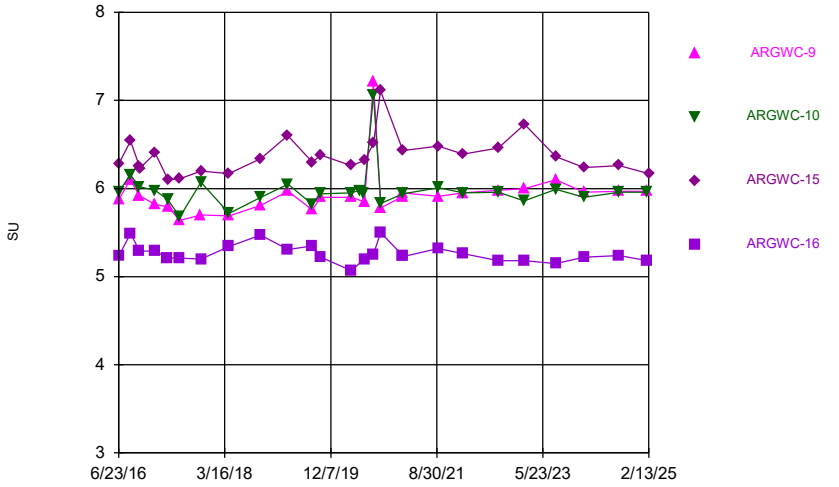
Time Series



Constituent: pH, Field Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Time Series



Constituent: pH, Field Analysis Run 5/21/2025 9:15 AM View: Descriptive
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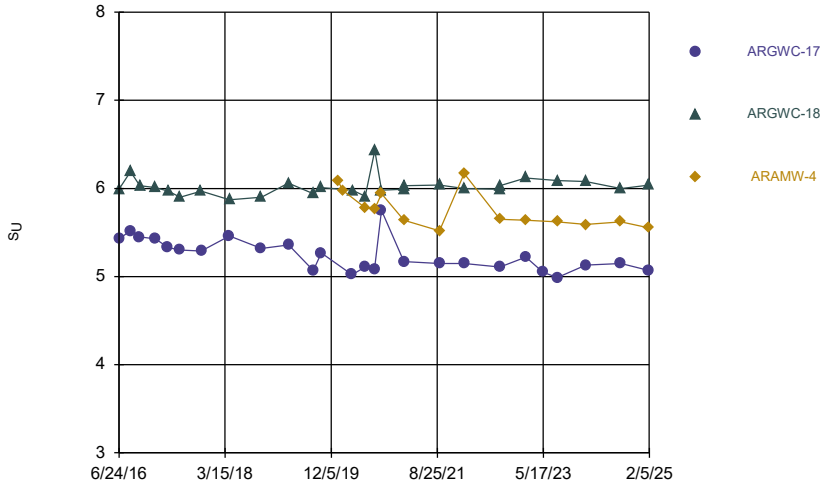
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Time Series



Constituent: pH, Field Analysis Run 5/21/2025 9:15 AM View: Descriptive
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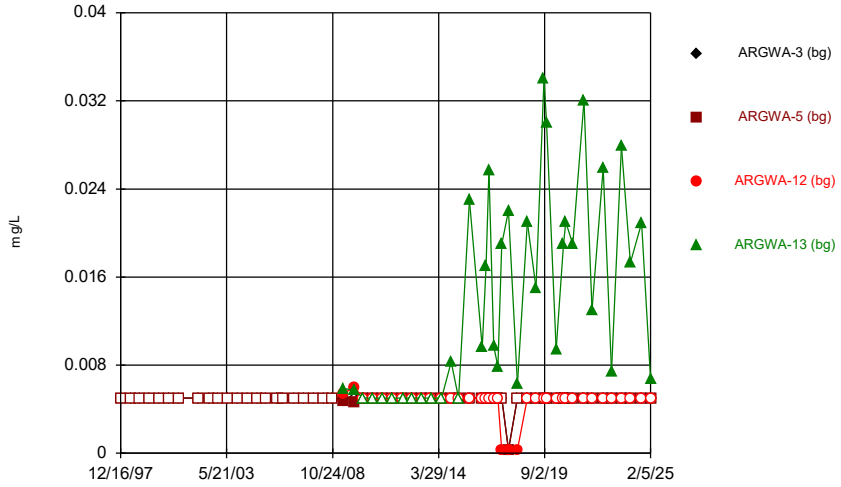
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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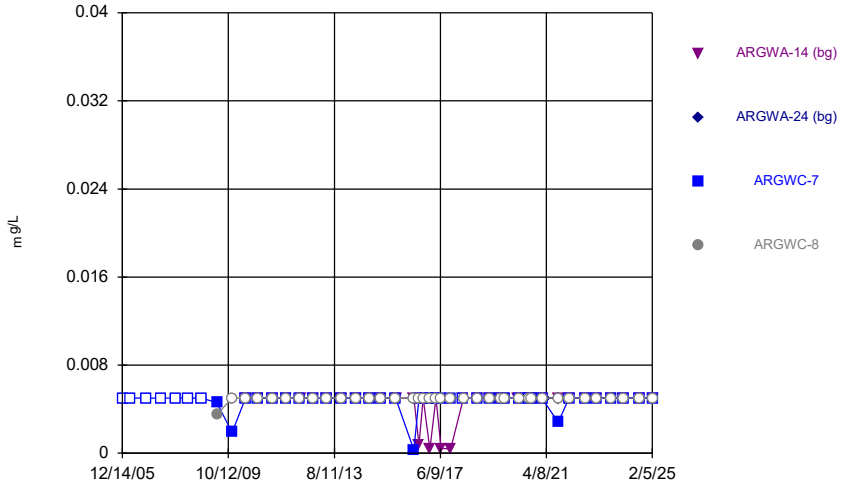
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Selenium Analysis Run 5/21/2025 9:15 AM View: Descriptive
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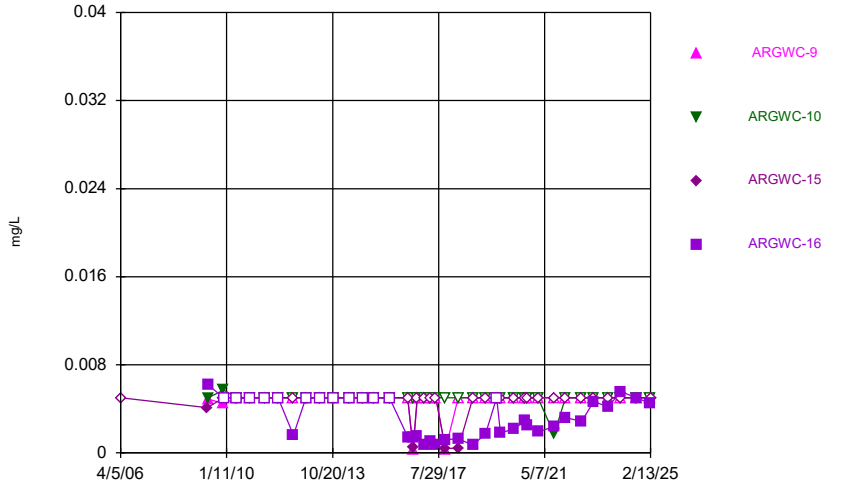

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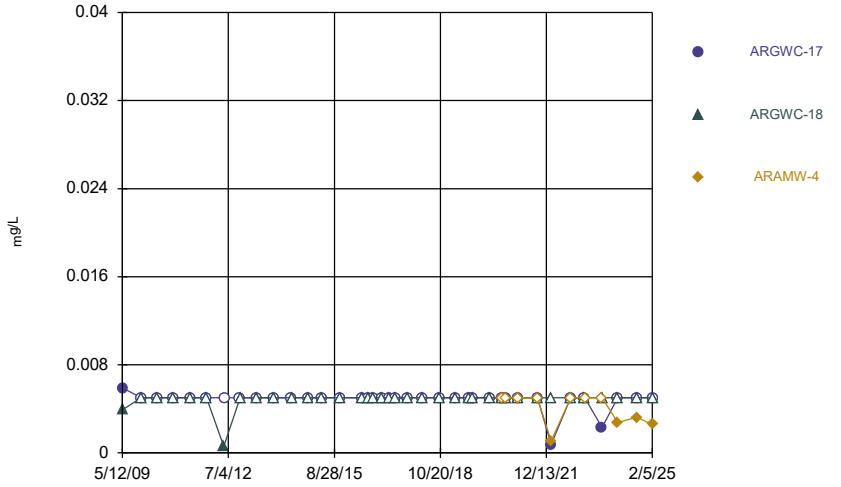

Constituent: Selenium Analysis Run 5/21/2025 9:15 AM View: Descriptive
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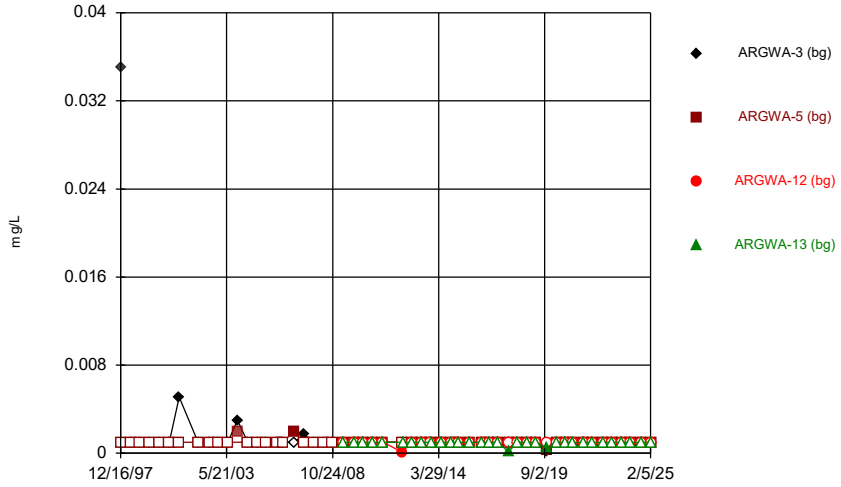
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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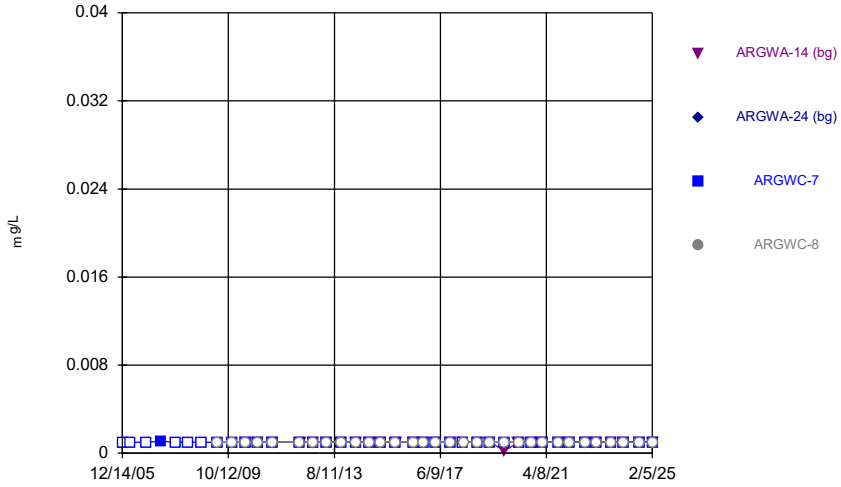
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

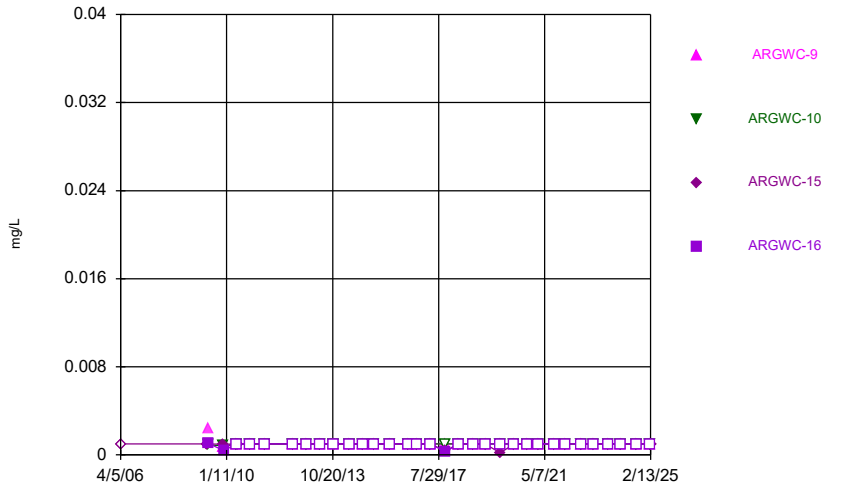
Time Series



Constituent: Silver Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Silver Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

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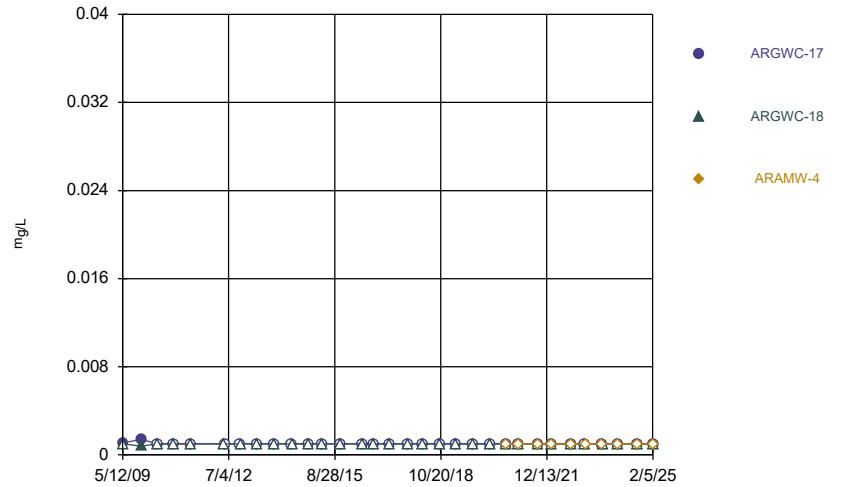

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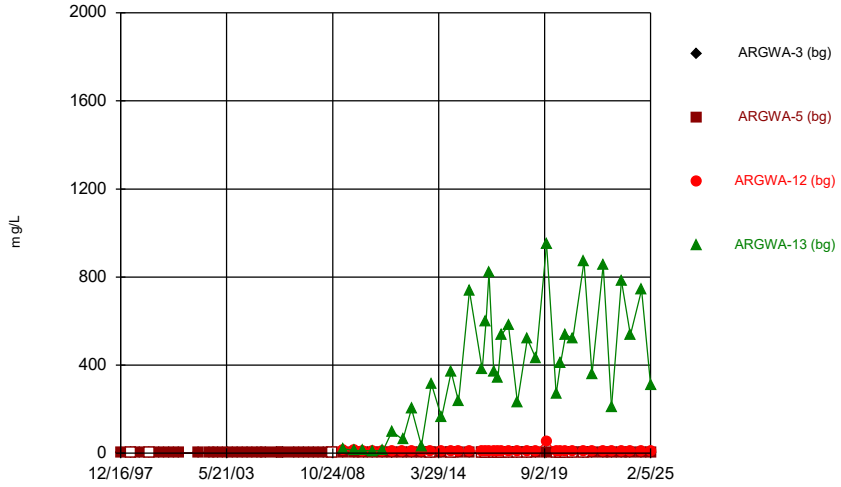
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

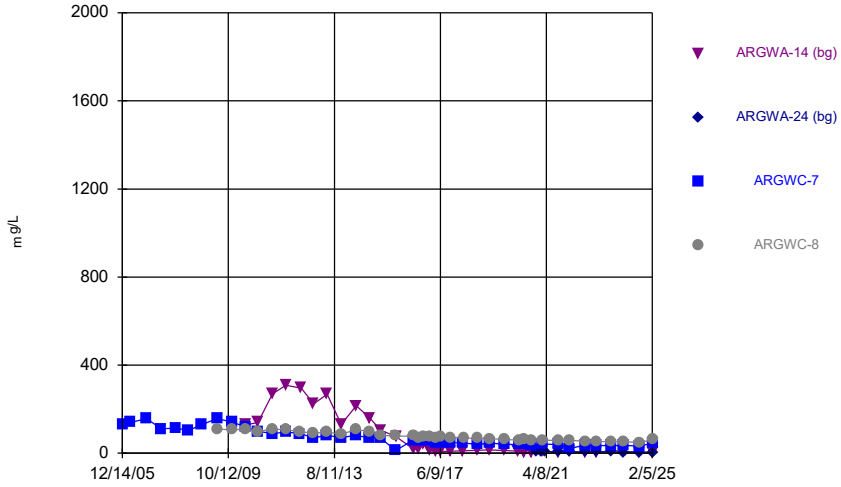
Time Series



Constituent: Sulfate Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Time Series



Constituent: Sulfate Analysis Run 5/21/2025 9:15 AM View: Descriptive
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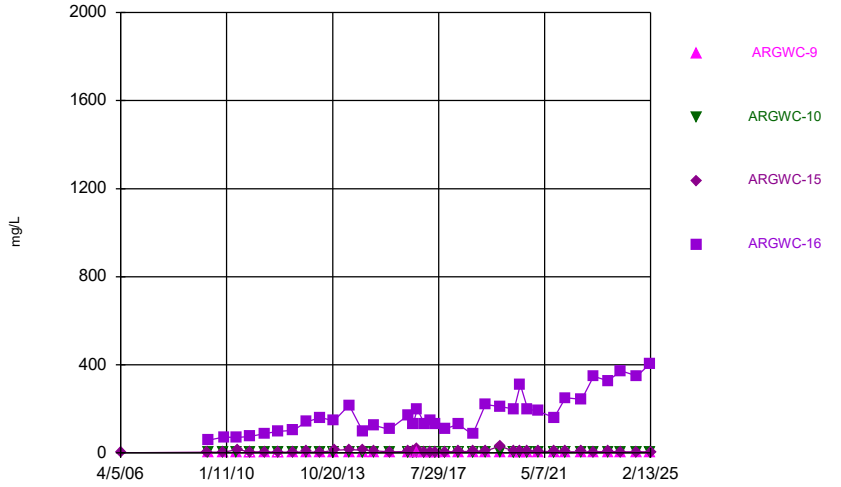
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

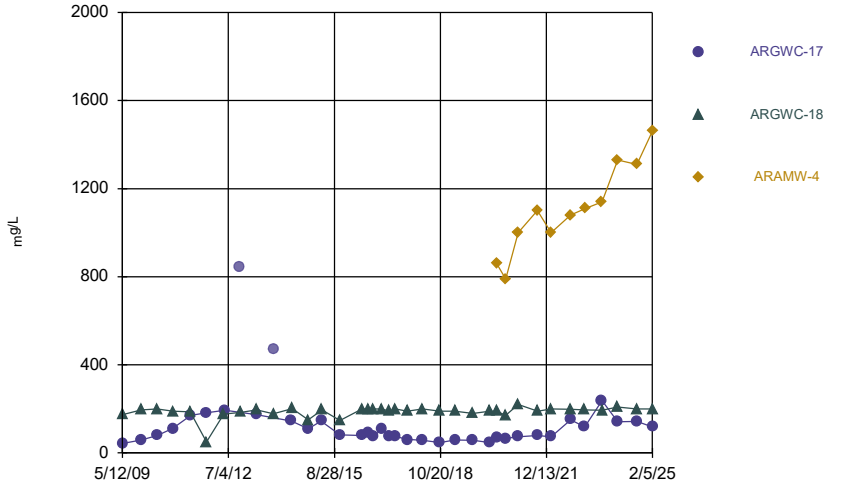
Time Series



Constituent: Sulfate Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

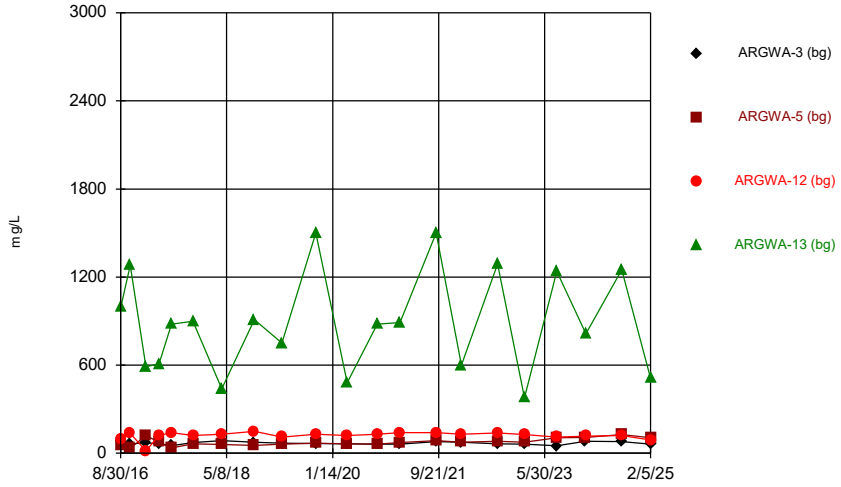
Time Series



Constituent: Sulfate Analysis Run 5/21/2025 9:15 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

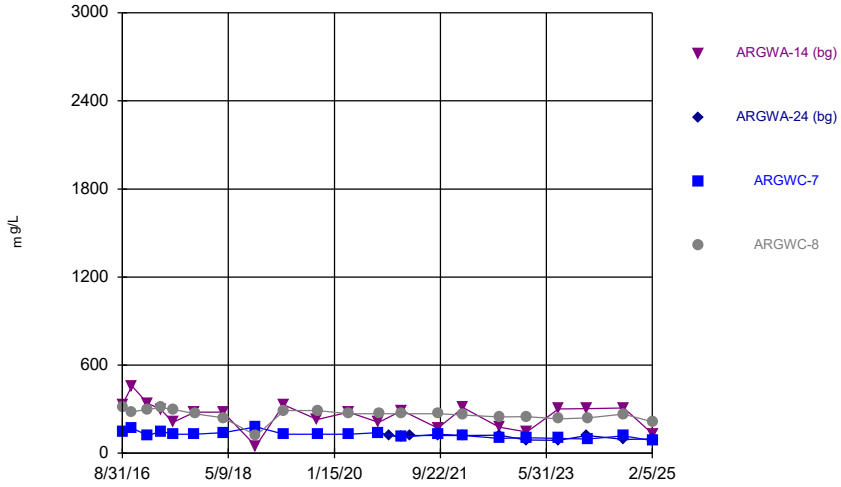
Time Series



Constituent: TDS Analysis Run 5/21/2025 9:16 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

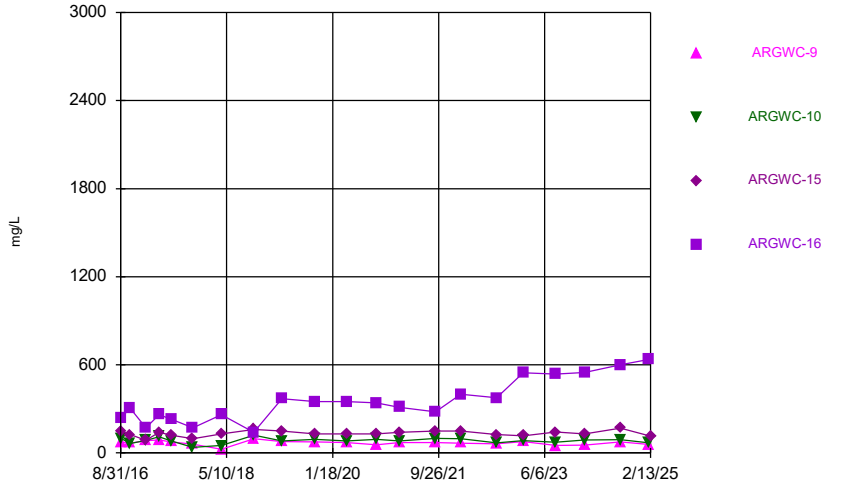
Time Series



Constituent: TDS Analysis Run 5/21/2025 9:16 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

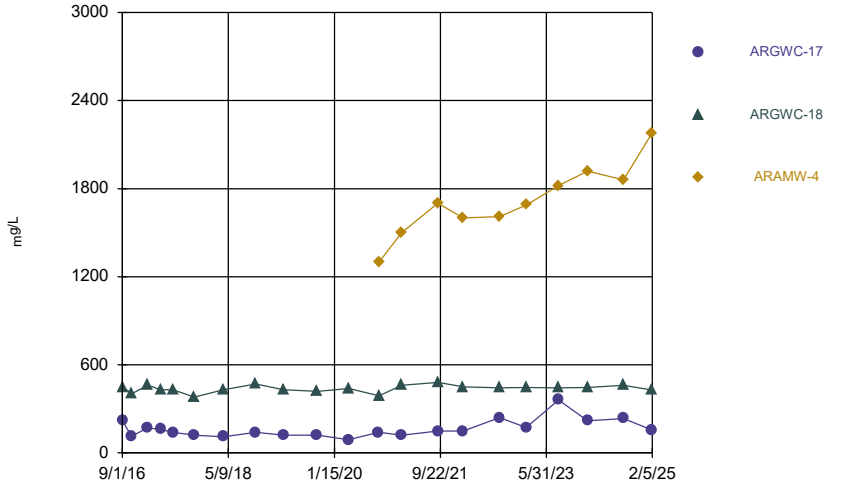
Time Series



Constituent: TDS Analysis Run 5/21/2025 9:16 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

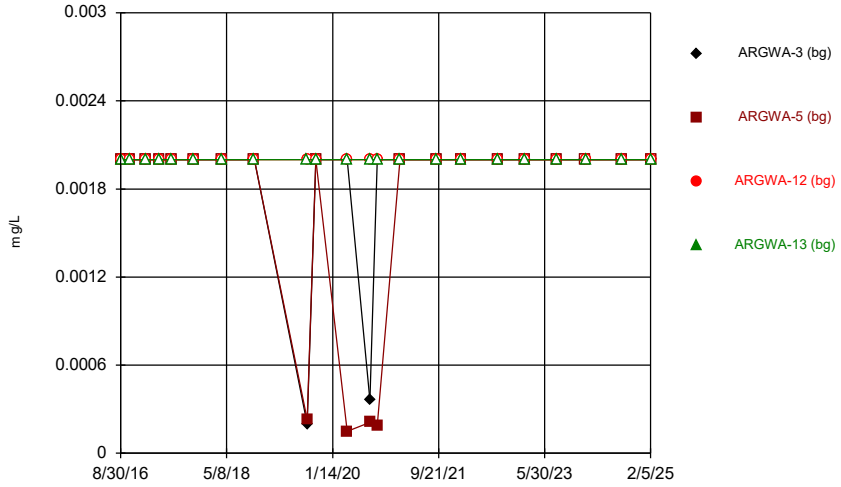
Time Series



Constituent: TDS Analysis Run 5/21/2025 9:16 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

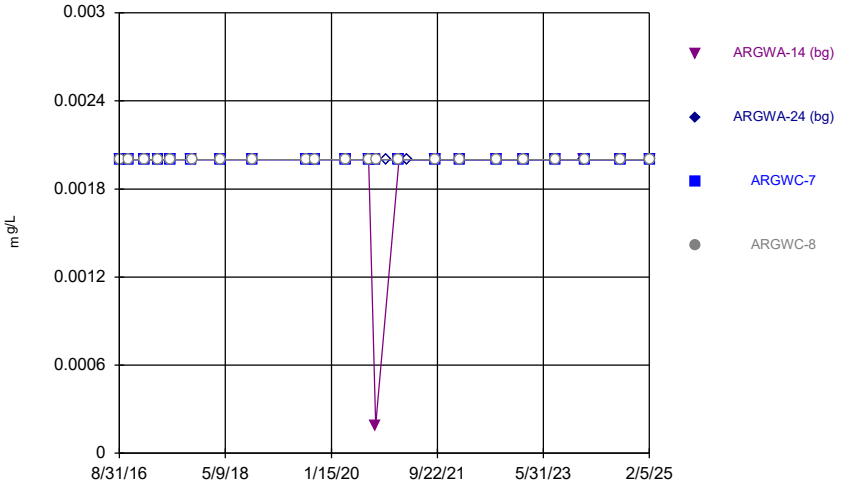
Time Series



Constituent: Thallium Analysis Run 5/21/2025 9:16 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

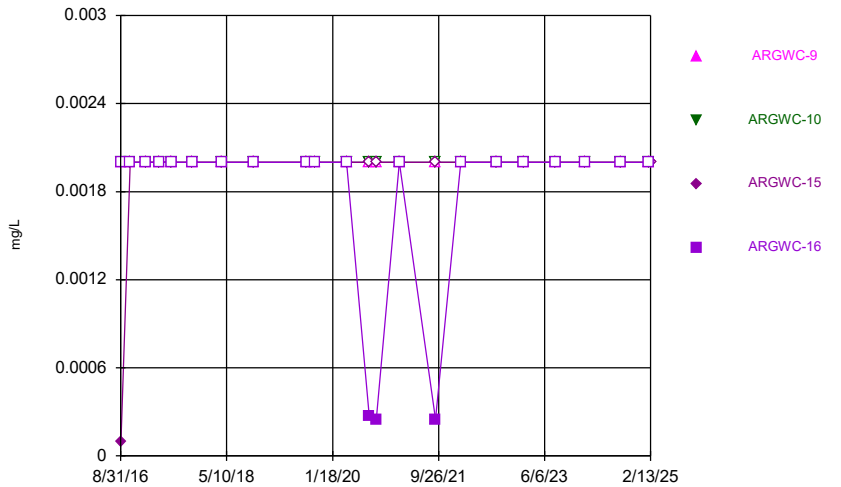
Time Series



Constituent: Thallium Analysis Run 5/21/2025 9:16 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

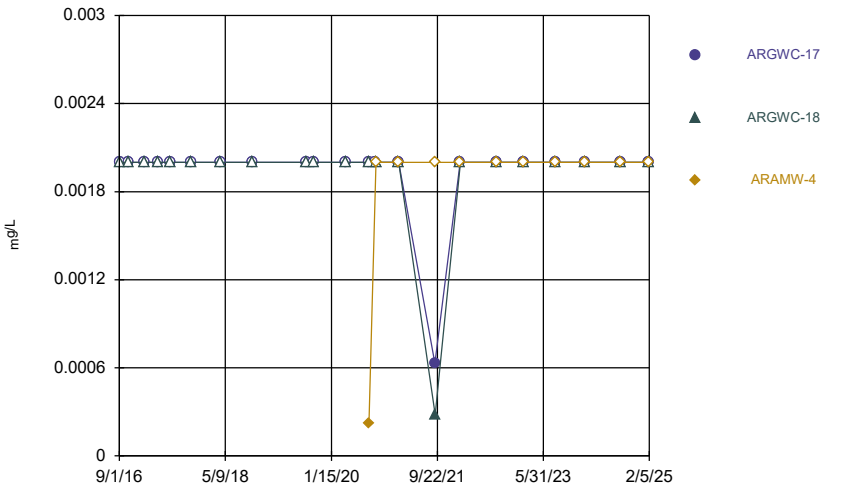
Time Series



Constituent: Thallium Analysis Run 5/21/2025 9:16 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 5/21/2025 9:16 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		<0.003	<0.003	
8/31/2016	<0.003			<0.003
10/24/2016			<0.003	
10/25/2016	<0.003	<0.003		<0.003
1/23/2017			<0.003	
1/24/2017	<0.003	<0.003		<0.003
4/11/2017	<0.003	<0.003	<0.003	<0.003
6/20/2017	<0.003	<0.003		
6/21/2017			<0.003	<0.003
10/25/2017	<0.003	<0.003	<0.003	<0.003
4/9/2018				<0.003
4/10/2018	<0.003	<0.003	<0.003	
10/16/2018	<0.003	<0.003	<0.003	<0.003
8/19/2019				<0.003
8/20/2019	<0.003	<0.003	<0.003	
10/8/2019	<0.003	<0.003	<0.003	<0.003
4/7/2020	<0.003	<0.003	<0.003	<0.003
8/18/2020	<0.003	<0.003	<0.003	<0.003
9/7/2021			<0.003	<0.003
9/8/2021	<0.003	<0.003		
2/1/2022	<0.003	<0.003	<0.003	<0.003
8/30/2022		<0.003	<0.003	
8/31/2022	<0.003			<0.003
2/2/2023			<0.003	
2/3/2023	<0.003	<0.003		<0.003
8/9/2023	<0.003		<0.003	0.00139 (J)
8/10/2023		<0.003		
1/24/2024	<0.003	<0.003		
1/25/2024			<0.003	<0.003
8/20/2024	<0.003		<0.003	
8/21/2024		<0.003		0.00102 (J)
2/5/2025	<0.003	<0.003	<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	0.0017 (J)		<0.003	<0.003
10/25/2016	<0.003		0.0013 (J)	
10/26/2016				<0.003
1/23/2017	<0.003			
1/26/2017			<0.003	<0.003
4/11/2017	<0.003			
4/12/2017			<0.003	<0.003
6/20/2017	<0.003			
6/21/2017				<0.003
6/22/2017			<0.003	
10/25/2017	<0.003		<0.003	
10/26/2017				<0.003
4/9/2018	<0.003			
4/10/2018			<0.003	
4/11/2018				<0.003
10/16/2018	<0.003			
10/17/2018			<0.003	<0.003
8/21/2019	0.00064 (J)		<0.003	<0.003
10/7/2019	<0.003			
10/9/2019			<0.003	<0.003
4/6/2020	<0.003			
4/8/2020			<0.003	
4/9/2020				<0.003
8/18/2020			<0.003	
8/19/2020	<0.003			
8/20/2020				<0.003
12/1/2020		<0.003		
2/9/2021		<0.003		
3/29/2021		<0.003		
9/8/2021	<0.003	<0.003		
9/9/2021				<0.003
9/10/2021			<0.003	
2/1/2022		<0.003		
2/2/2022	<0.003			<0.003
2/3/2022			<0.003	
8/31/2022	<0.003	<0.003	<0.003	<0.003
2/2/2023		<0.003	<0.003	<0.003
2/7/2023	<0.003			
8/9/2023		<0.003		
8/10/2023	<0.003		<0.003	<0.003
1/24/2024	<0.003	<0.003		
1/25/2024			<0.003	<0.003
8/20/2024		<0.003		
8/21/2024			<0.003	<0.003
8/22/2024	<0.003			
2/5/2025	<0.003	<0.003	<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	<0.003			
9/1/2016		<0.003		<0.003
9/2/2016			<0.003	
10/25/2016	<0.003	<0.003		<0.003
10/26/2016			<0.003	
1/26/2017	<0.003		<0.003	<0.003
1/27/2017		<0.003		
4/11/2017				<0.003
4/12/2017	<0.003	<0.003	<0.003	
6/21/2017			<0.003	<0.003
6/22/2017	<0.003	<0.003		
10/25/2017	<0.003			
10/26/2017		<0.003	<0.003	<0.003
4/10/2018			<0.003	<0.003
4/11/2018	<0.003	<0.003		
10/16/2018				<0.003
10/17/2018	<0.003	<0.003	<0.003	
8/20/2019				<0.003
8/21/2019	<0.003	<0.003	<0.003	
10/8/2019			<0.003	
10/9/2019	0.00048 (J)	<0.003		<0.003
4/8/2020		0.00094 (J)	<0.003	<0.003
4/9/2020	<0.003			
8/19/2020	<0.003	<0.003	<0.003	<0.003
9/8/2021			<0.003	<0.003
9/9/2021	<0.003			
9/10/2021		<0.003		
2/2/2022	<0.003	<0.003		
2/3/2022			<0.003	<0.003
8/31/2022	<0.003	<0.003	<0.003	<0.003
2/2/2023	<0.003	<0.003		<0.003
2/3/2023			<0.003	
8/9/2023		<0.003		
8/10/2023	<0.003		<0.003	<0.003
1/25/2024	<0.003	<0.003	<0.003	<0.003
8/21/2024	<0.003	<0.003	<0.003	<0.003
2/5/2025	<0.003	<0.003		<0.003
2/13/2025			<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	<0.003	<0.003	
10/25/2016	<0.003		
10/26/2016		<0.003	
1/26/2017	<0.003		
1/27/2017		<0.003	
4/11/2017	<0.003		
4/12/2017		<0.003	
6/21/2017	<0.003	<0.003	
10/25/2017		<0.003	
10/26/2017	<0.003		
4/10/2018	<0.003		
4/11/2018		<0.003	
10/17/2018	<0.003	<0.003	
8/21/2019	<0.003	<0.003	
10/9/2019	<0.003	<0.003	
4/8/2020	<0.003		
4/9/2020		<0.003	
8/18/2020	<0.003		
8/20/2020		<0.003	<0.003
9/8/2021	<0.003		<0.003
9/9/2021		<0.003	
2/2/2022	<0.003		<0.003
2/3/2022		<0.003	
9/2/2022	<0.003	<0.003	<0.003
2/2/2023		<0.003	
2/3/2023	<0.003		
2/7/2023			<0.003
8/9/2023	<0.003		<0.003
8/10/2023		<0.003	
1/25/2024	<0.003	<0.003	<0.003
8/21/2024	<0.003	<0.003	<0.003
2/5/2025	<0.003	<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
12/16/1997	0.00024 (J)	<0.005		
6/30/1998	0.0006	<0.005		
12/2/1998	0.0007	<0.005		
6/8/1999	<0.005	<0.005		
12/7/1999	<0.005	<0.005		
6/15/2000	<0.005	<0.005		
12/12/2000	0.000475	0.00032		
12/5/2001	<0.005	0.000303		
6/26/2002	0.000431	0.000939		
12/3/2002	<0.005	<0.005		
6/11/2003	<0.005	<0.005		
12/10/2003	<0.005	<0.005		
6/15/2004	<0.005	<0.005		
12/14/2004	<0.005	<0.005		
6/2/2005	<0.005	<0.005		
12/14/2005	<0.005	<0.005		
4/5/2006		<0.005		
4/6/2006	<0.005			
10/30/2006	<0.005	<0.005		
5/10/2007	0.0044	<0.005		
11/17/2007	<0.005	<0.005		
5/3/2008	<0.005	<0.005		
10/22/2008	<0.005	<0.005		
5/6/2009		<0.005	<0.005	
5/7/2009	0.0028			0.0013
12/1/2009		<0.005		
12/3/2009			<0.005	<0.005
12/4/2009	<0.005			
5/25/2010		<0.005	<0.005	<0.005
6/1/2010	<0.005			
11/9/2010		<0.005	<0.005	
11/10/2010	<0.005			<0.005
5/24/2011		<0.005	<0.005	
5/25/2011	<0.005			<0.005
11/10/2011		<0.005	<0.005	<0.005
11/12/2011	<0.005			
5/18/2012		<0.005	<0.005	
5/30/2012				<0.005
5/31/2012	<0.005			
11/9/2012		<0.005	<0.005	<0.005
11/11/2012	<0.005			
5/8/2013		<0.005	<0.005	
5/9/2013				<0.005
5/13/2013	<0.005			
11/6/2013		<0.005	<0.005	
11/11/2013				<0.005
11/12/2013	<0.005			
5/20/2014		<0.005	<0.005	
5/21/2014				<0.005
5/29/2014	<0.005			
11/17/2014		<0.005		
11/18/2014			<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
4/7/2015		<0.005		<0.005
4/14/2015	<0.005		<0.005	
10/28/2015		<0.005		<0.005
10/29/2015			<0.005	
11/3/2015	<0.005			
6/23/2016	<0.005	<0.005	<0.005	<0.005
8/30/2016		<0.005	<0.005	
8/31/2016	<0.005			<0.005
10/24/2016			<0.005	
10/25/2016	<0.005	<0.005		<0.005
1/23/2017			<0.005	
1/24/2017	<0.005	<0.005		<0.005
4/11/2017	0.00067 (J)	0.00077 (J)	0.00076 (J)	0.00063 (J)
6/20/2017	0.00064 (J)	0.00052 (J)		
6/21/2017			<0.005	<0.005
10/25/2017	<0.005	<0.005	<0.005	<0.005
4/9/2018				<0.005
4/10/2018	<0.005	<0.005	<0.005	
10/16/2018	<0.005	<0.005	<0.005	0.00055 (J)
3/26/2019				0.00089 (J)
3/27/2019	0.00055 (J)	0.00055 (J)	0.00049 (J)	
8/19/2019				0.00045 (J)
8/20/2019	0.00045 (J)	0.00058 (J)	0.00046 (J)	
10/8/2019	<0.005	<0.005	<0.005	<0.005
4/7/2020	<0.005	<0.005	<0.005	<0.005
8/18/2020	<0.005	<0.005	<0.005	<0.005
9/29/2020	<0.005	<0.005	<0.005	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005
9/7/2021			<0.005	<0.005
9/8/2021	<0.005	<0.005		
2/1/2022	<0.005	<0.005	<0.005	<0.005
8/30/2022		<0.005	<0.005	
8/31/2022	<0.005			<0.005
2/2/2023			<0.005	
2/3/2023	<0.005	<0.005		<0.005
8/9/2023	<0.005		<0.005	<0.005
8/10/2023		0.00593		
1/24/2024	<0.005	<0.005		
1/25/2024			<0.005	<0.005
8/20/2024	<0.005		<0.005	
8/21/2024		<0.005		<0.005
2/5/2025	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
12/14/2005			<0.005	
4/5/2006			<0.005	
10/30/2006			<0.005	
5/10/2007			<0.005	
11/17/2007			<0.005	
5/2/2008			<0.005	
10/22/2008			<0.005	
5/14/2009			<0.005	<0.005
12/1/2009			<0.005	
12/3/2009				<0.005
5/26/2010			<0.005	<0.005
6/2/2010	<0.005			
11/9/2010				<0.005
11/10/2010	<0.005		<0.005	
5/18/2011				<0.005
5/19/2011	<0.005			
5/25/2011			<0.005	
11/9/2011	<0.005			
11/11/2011			<0.005	<0.005
5/17/2012			<0.005	<0.005
5/30/2012	0.0026 (J)			
11/9/2012			<0.005	<0.005
11/11/2012	<0.005			
5/7/2013				<0.005
5/8/2013			<0.005	
5/9/2013	<0.005			
11/5/2013			<0.005	<0.005
11/11/2013	<0.005			
5/21/2014			<0.005	<0.005
5/29/2014	0.0022 (J)			
11/17/2014			<0.005	
11/18/2014				<0.005
11/19/2014	<0.005			
4/7/2015			<0.005	<0.005
4/14/2015	<0.005			
10/28/2015			<0.005	<0.005
11/4/2015	<0.005			
6/23/2016	0.0026		<0.005	<0.005
8/31/2016	0.0032		<0.005	<0.005
10/25/2016	<0.005		<0.005	
10/26/2016				<0.005
1/23/2017	0.00088 (J)			
1/26/2017			<0.005	<0.005
4/11/2017	0.00095 (J)			
4/12/2017			0.00078 (J)	0.00072 (J)
6/20/2017	0.00099 (J)			
6/21/2017				<0.005
6/22/2017			<0.005	
10/25/2017	<0.005		<0.005	
10/26/2017				<0.005
4/9/2018	<0.005			
4/10/2018			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
4/11/2018				<0.005
10/16/2018	0.00083 (J)			
10/17/2018			<0.005	0.00063 (J)
3/27/2019	0.0013			
3/28/2019			<0.005	
3/29/2019				<0.005
8/21/2019	0.0013		<0.005	0.00036 (J)
10/7/2019	0.00045 (J)			
10/9/2019			0.0015	0.0014
4/6/2020	<0.005			
4/8/2020			<0.005	
4/9/2020				<0.005
8/18/2020			<0.005	
8/19/2020	<0.005			
8/20/2020				<0.005
9/29/2020	0.00038 (J)		<0.005	
10/1/2020				<0.005
12/1/2020		<0.005		
2/9/2021		<0.005		
2/10/2021			<0.005	<0.005
2/11/2021	<0.005			
3/29/2021		0.0014		
9/8/2021	0.00034 (J)	<0.005		
9/9/2021				<0.005
9/10/2021			<0.005	
2/1/2022		<0.005		
2/2/2022	0.00033 (J)			<0.005
2/3/2022			<0.005	
8/31/2022	<0.005	<0.005	<0.005	<0.005
2/2/2023		<0.005	<0.005	<0.005
2/7/2023	<0.005			
8/9/2023		<0.005		
8/10/2023	0.00349 (J)		0.0048 (J)	0.00337 (J)
1/24/2024	<0.005	<0.005		
1/25/2024			<0.005	<0.005
8/20/2024		<0.005		
8/21/2024			<0.005	<0.005
8/22/2024	<0.005			
2/5/2025	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/5/2006			<0.005	
5/5/2009			<0.005	
5/12/2009				0.003 (O)
5/13/2009	0.0034 (O)	0.0042 (O)		
12/3/2009	<0.005	<0.005		
12/4/2009			<0.005	
12/5/2009				<0.005
5/26/2010	<0.005	<0.005		<0.005
6/1/2010			<0.005	
11/9/2010	<0.005	<0.005		<0.005
11/10/2010			<0.005	
5/19/2011	<0.005	<0.005		
5/24/2011				<0.005
5/25/2011			<0.005	
11/9/2011			<0.005	
11/11/2011	<0.005	<0.005		
11/12/2011				<0.005
5/17/2012	<0.005	<0.005		
5/30/2012				<0.005
5/31/2012			<0.005	
11/9/2012	<0.005	<0.005		<0.005
11/10/2012			<0.005	
5/7/2013	<0.005	<0.005		
5/13/2013			<0.005	<0.005
11/6/2013	<0.005	<0.005		<0.005
11/12/2013			<0.005	
5/20/2014		<0.005		
5/21/2014	<0.005			<0.005
5/28/2014			<0.005	
11/17/2014				<0.005
11/18/2014	<0.005	<0.005		
11/20/2014			<0.005	
4/7/2015	<0.005	<0.005		<0.005
4/14/2015			<0.005	
10/28/2015	<0.005	<0.005		<0.005
11/3/2015			<0.005	
6/23/2016	<0.005	<0.005	<0.005	
6/24/2016				<0.005
8/31/2016	<0.005			
9/1/2016		<0.005		<0.005
9/2/2016			0.00062 (J)	
10/25/2016	<0.005	<0.005		<0.005
10/26/2016			<0.005	
1/26/2017	<0.005		<0.005	<0.005
1/27/2017		<0.005		
4/11/2017				0.00067 (J)
4/12/2017	<0.005	<0.005	<0.005	
6/21/2017			<0.005	<0.005
6/22/2017	<0.005	<0.005		
10/25/2017	<0.005			
10/26/2017		<0.005	<0.005	<0.005
4/10/2018			<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/11/2018	<0.005	<0.005		
10/16/2018				<0.005
10/17/2018	<0.005	<0.005	<0.005	
3/27/2019			<0.005	
3/28/2019	0.00051 (J)	0.0011 (J)		0.00057 (J)
8/20/2019				<0.005
8/21/2019	<0.005	0.0004 (J)	0.00036 (J)	
10/8/2019			<0.005	
10/9/2019	0.0011	0.0019		0.001
4/8/2020		<0.005	<0.005	<0.005
4/9/2020	<0.005			
8/19/2020	<0.005	<0.005	<0.005	<0.005
9/29/2020			<0.005	<0.005
10/1/2020	<0.005	<0.005		
2/9/2021		<0.005	<0.005	<0.005
2/10/2021	<0.005			
9/8/2021			<0.005	0.00031 (J)
9/9/2021	<0.005			
9/10/2021		<0.005		
2/2/2022	<0.005	<0.005		
2/3/2022			<0.005	<0.005
8/31/2022	<0.005	<0.005	<0.005	<0.005
2/2/2023	<0.005	<0.005		<0.005
2/3/2023			<0.005	
8/9/2023		<0.005		
8/10/2023	0.00457 (J)		0.0024 (J)	0.00431 (J)
1/25/2024	<0.005	<0.005	<0.005	<0.005
8/21/2024	<0.005	<0.005	<0.005	<0.005
2/5/2025	<0.005	<0.005		<0.005
2/13/2025			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
5/12/2009	<0.005	0.0025 (O)	
12/4/2009	<0.005	<0.005	
5/25/2010	<0.005	<0.005	
11/9/2010	<0.005		
11/10/2010		<0.005	
5/19/2011		<0.005	
5/24/2011	<0.005		
11/12/2011	<0.005	<0.005	
5/17/2012		<0.005	
5/30/2012	<0.005		
11/9/2012	0.01 (O)		
11/10/2012		<0.005	
5/7/2013		<0.005	
5/8/2013	<0.005		
11/5/2013		<0.005	
11/6/2013	<0.005		
5/20/2014	<0.005		
5/28/2014		<0.005	
11/17/2014	<0.005		
11/19/2014		<0.005	
4/7/2015	<0.005		
4/15/2015		<0.005	
10/28/2015	<0.005		
10/29/2015		<0.005	
6/24/2016	<0.005	<0.005	
9/1/2016	<0.005	<0.005	
10/25/2016	<0.005		
10/26/2016		<0.005	
1/26/2017	<0.005		
1/27/2017		<0.005	
4/11/2017	0.00084 (J)		
4/12/2017		<0.005	
6/21/2017	<0.005	<0.005	
10/25/2017		<0.005	
10/26/2017	0.00087 (J)		
4/10/2018	<0.005		
4/11/2018		<0.005	
10/17/2018	<0.005	0.00066 (J)	
3/27/2019		<0.005	
3/28/2019	<0.005		
8/21/2019	0.00044 (J)	0.00033 (J)	
10/9/2019	0.0015	0.0016	
4/8/2020	<0.005		
4/9/2020		<0.005	
8/18/2020	<0.005		
8/20/2020		<0.005	0.00034 (J)
9/29/2020	<0.005		
9/30/2020		<0.005	0.00039 (J)
2/9/2021	<0.005		
2/10/2021		<0.005	<0.005
9/8/2021	0.00039 (J)		<0.005
9/9/2021		0.0004 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
2/2/2022	0.00044 (J)		0.00035 (J)
2/3/2022		<0.005	
9/2/2022	<0.005	<0.005	0.00339 (J)
2/2/2023		<0.005	
2/3/2023	<0.005		
2/7/2023			<0.005
8/9/2023	<0.005		0.00241 (J)
8/10/2023		<0.005	
1/25/2024	<0.005	<0.005	<0.005
8/21/2024	<0.005	<0.005	0.00219 (J)
2/5/2025	<0.005	<0.005	<0.005

Time Series

Constituent: Barium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
12/16/1997	2.12 (O)	0.032		
6/30/1998	0.177	0.0284		
12/2/1998	0.115	0.0318		
6/8/1999	0.074	0.0287		
12/7/1999	0.043	0.034		
6/15/2000	0.113	0.106		
12/12/2000	0.059	0.027		
12/5/2001	0.052	0.027		
6/26/2002	0.087	0.032		
12/3/2002	0.043	0.023		
6/11/2003	0.24	0.04		
12/10/2003	0.03	0.024		
6/15/2004	0.028	0.021		
12/14/2004	0.017	0.025		
6/2/2005	0.019	0.025		
12/14/2005	0.02	0.026		
4/5/2006		0.027		
4/6/2006	0.019			
10/30/2006	0.016	0.03		
5/10/2007	0.017	0.024		
11/17/2007	0.015	0.026		
5/3/2008	0.017	0.022		
10/22/2008	0.11	0.027		
5/6/2009		0.023	0.065	
5/7/2009	0.13			0.068
12/1/2009		0.033		
12/3/2009			0.062	0.044
12/4/2009	0.019			
5/25/2010		0.03	0.038 (O)	0.049
6/1/2010	0.027			
11/9/2010		0.033	0.059	
11/10/2010	0.025			0.052
5/24/2011		0.027	0.054	
5/25/2011	0.015			0.045
11/10/2011		0.032	0.063	0.11
11/12/2011	0.021			
5/18/2012		0.0311	0.0646	
5/30/2012				0.0831
5/31/2012	0.0222			
11/9/2012		0.034	0.081	0.13
11/11/2012	0.022			
5/8/2013		0.026	0.066	
5/9/2013				0.059
5/13/2013	0.019			
11/6/2013		0.028	0.074	
11/11/2013				0.12
11/12/2013	0.025			
5/20/2014		0.027	0.057	
5/21/2014				0.073
5/29/2014	0.024			
11/17/2014		0.029		
11/18/2014			0.069	0.072

Time Series

Constituent: Barium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
4/7/2015		0.024		0.06
4/14/2015	0.022		0.067	
10/28/2015		0.028		0.057
10/29/2015			0.069	
11/3/2015	0.022			
6/23/2016	0.019	0.025	0.063	0.036
8/30/2016		0.026	0.062	
8/31/2016	0.018			0.041
10/24/2016			0.0674	
10/25/2016	0.016	0.0293		0.0429
1/23/2017			0.069	
1/24/2017	0.017	0.028		0.025
4/11/2017	0.016	0.024	0.064	0.024
6/20/2017	0.02	0.027		
6/21/2017			0.074	0.034
10/25/2017	0.019	0.03	0.07	0.03
4/9/2018				0.023
4/10/2018	0.019	0.028	0.073	
10/16/2018	0.018	0.027	0.069	0.028
3/26/2019				0.029
3/27/2019	0.019	0.024	0.063	
8/19/2019				0.035
8/20/2019	0.02	0.029	0.075	
10/8/2019	0.02	0.03	0.078	0.042
4/7/2020	0.018	0.02	0.066	0.021
8/18/2020	0.021	0.031	0.079	0.025
9/29/2020	0.019	0.03	0.079	0.024
2/9/2021	0.017	0.028	0.076	0.022
9/7/2021			0.073	0.031
9/8/2021	0.018	0.033		
2/1/2022	0.018	0.033	0.079	0.018
8/30/2022		0.0446	0.085	
8/31/2022	0.0181			0.0262
2/2/2023			0.087	
2/3/2023	0.0177	0.0484		0.0166
8/9/2023	0.0191		0.1	0.0299
8/10/2023		0.0638		
1/24/2024	0.0178	0.0621		
1/25/2024			0.0833	0.0221
8/20/2024	0.0172		0.0701	
8/21/2024		0.0756		0.0218
2/5/2025	0.017	0.0735	0.0644	0.0164

Time Series

Constituent: Barium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
12/14/2005			0.027	
4/5/2006			0.029	
10/30/2006			0.027	
5/10/2007			0.025	
11/17/2007			0.026	
5/2/2008			0.026	
10/22/2008			0.033	
5/14/2009			0.035	0.039
12/1/2009			0.031	
12/3/2009				0.036
5/26/2010			0.025	0.036
6/2/2010	0.046			
11/9/2010				0.038
11/10/2010	0.057		0.027	
5/18/2011				0.032
5/19/2011	0.048			
5/25/2011			0.022	
11/9/2011	0.045			
11/11/2011			0.027	0.036
5/17/2012			0.0265	0.0353
5/30/2012	0.0519			
11/9/2012			0.028	0.038
11/11/2012	0.051			
5/7/2013				0.037
5/8/2013			0.026	
5/9/2013	0.056			
11/5/2013			0.027	0.037
11/11/2013	0.041			
5/21/2014			0.028	0.037
5/29/2014	0.051			
11/17/2014			0.031	
11/18/2014				0.038
11/19/2014	0.051			
4/7/2015			0.029	0.045
4/14/2015	0.043			
10/28/2015			0.032	0.042
11/4/2015	0.042			
6/23/2016	0.084		0.031	0.039
8/31/2016	0.076		0.03	0.037
10/25/2016	0.039		0.0317	
10/26/2016				0.0423
1/23/2017	0.044			
1/26/2017			0.035	0.046
4/11/2017	0.038			
4/12/2017			0.034	0.041
6/20/2017	0.057			
6/21/2017				0.049
6/22/2017			0.038	
10/25/2017	0.05		0.038	
10/26/2017				0.046
4/9/2018	0.049			
4/10/2018			0.038	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
4/11/2018				0.048
10/16/2018	0.06			
10/17/2018			0.038	0.045
3/27/2019	0.054			
3/28/2019			0.038	
3/29/2019				0.045
8/21/2019	0.031		0.041	0.052
10/7/2019	0.033			
10/9/2019			0.046	0.049
4/6/2020	0.051			
4/8/2020			0.039	
4/9/2020				0.045
8/18/2020			0.044	
8/19/2020	0.041			
8/20/2020				0.053
9/29/2020	0.062		0.042	
10/1/2020				0.052
12/1/2020		0.038		
2/9/2021		0.036		
2/10/2021			0.041	0.049
2/11/2021	0.066			
3/29/2021		0.035		
9/8/2021	0.037	0.039		
9/9/2021				0.051
9/10/2021			0.045	
2/1/2022		0.04		
2/2/2022	0.062			0.059
2/3/2022			0.051	
8/31/2022	0.074	0.0412	0.0505	0.0571
2/2/2023		0.0392	0.0518	0.0554
2/7/2023	0.0376			
8/9/2023		0.039		
8/10/2023	0.0465		0.054	0.0603
1/24/2024	0.093	0.0369		
1/25/2024			0.0563	0.0641
8/20/2024		0.0344		
8/21/2024			0.0473	0.0585
8/22/2024	0.0563			
2/5/2025	0.0617	0.0353	0.0521	0.0601

Time Series

Constituent: Barium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/5/2006			0.026	
5/5/2009			0.042	
5/12/2009				0.16 (O)
5/13/2009	0.14 (O)	0.15 (O)		
12/3/2009	0.032	0.03		
12/4/2009			0.051	
12/5/2009				0.062
5/26/2010	0.031	0.029		0.065
6/1/2010			0.055	
11/9/2010	0.03	0.029		0.065
11/10/2010			0.041	
5/19/2011	0.028	0.027		
5/24/2011				0.062
5/25/2011			0.035	
11/9/2011			0.035	
11/11/2011	0.032	0.031		
11/12/2011				0.067
5/17/2012	0.0319	0.0299		
5/30/2012				0.0767
5/31/2012			0.0372	
11/9/2012	0.036	0.03		0.093
11/10/2012			0.044	
5/7/2013	0.035	0.028		
5/13/2013			0.2 (O)	0.093
11/6/2013	0.043	0.033		0.068
11/12/2013			0.035	
5/20/2014		0.029		
5/21/2014	0.042			0.072
5/28/2014			0.038	
11/17/2014				0.05
11/18/2014	0.044	0.029		
11/20/2014			0.037	
4/7/2015	0.043	0.028		0.055
4/14/2015			0.035	
10/28/2015	0.045	0.029		0.054
11/3/2015			0.038	
6/23/2016	0.043	0.028	0.028	
6/24/2016				0.056
8/31/2016	0.042			
9/1/2016		0.027		0.051
9/2/2016			0.074	
10/25/2016	0.0455	0.0296		0.0637
10/26/2016			0.0408	
1/26/2017	0.048		0.038	0.055
1/27/2017		0.035		
4/11/2017				0.055
4/12/2017	0.045	0.031	0.03	
6/21/2017			0.028	0.054
6/22/2017	0.055	0.035		
10/25/2017	0.049			
10/26/2017		0.032	0.029	0.046
4/10/2018			0.032	0.056

Time Series

Constituent: Barium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/11/2018	0.052	0.034		
10/16/2018				0.039
10/17/2018	0.046	0.031	0.028	
3/27/2019			0.032	
3/28/2019	0.047	0.031		0.054
8/20/2019				0.046
8/21/2019	0.045	0.035	0.033	
10/8/2019			0.031	
10/9/2019	0.041	0.031		0.057
4/8/2020		0.031	0.03	0.042
4/9/2020	0.044			
8/19/2020	0.046	0.034	0.028	0.045
9/29/2020			0.03	0.042
10/1/2020	0.045	0.032		
2/9/2021		0.031	0.029	0.044
2/10/2021	0.038			
9/8/2021			0.043	0.035
9/9/2021	0.038			
9/10/2021		0.031		
2/2/2022	0.04	0.034		
2/3/2022			0.03	0.047
8/31/2022	0.0391	0.0345	0.0325	0.0383
2/2/2023	0.0391	0.034		0.0468
2/3/2023			0.0287	
8/9/2023		0.0363		
8/10/2023	0.0401		0.037	0.0381
1/25/2024	0.0414	0.0373	0.0325	0.0476
8/21/2024	0.0363	0.0328	0.039	0.0349
2/5/2025	0.0381	0.0346		0.0373
2/13/2025			0.0229	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
5/12/2009	0.048	0.055	
12/4/2009	0.055	0.036	
5/25/2010	0.063	0.033	
11/9/2010	0.11		
11/10/2010		0.038	
5/19/2011		0.028	
5/24/2011	0.11		
11/12/2011	0.086	0.092 (O)	
5/17/2012		0.0427	
5/30/2012	0.0586		
11/9/2012	0.4 (O)		
11/10/2012		0.038	
5/7/2013		0.03	
5/8/2013	0.054		
11/5/2013		0.087 (O)	
11/6/2013	0.043		
5/20/2014	0.051		
5/28/2014		0.032	
11/17/2014	0.049		
11/19/2014		0.058	
4/7/2015	0.043		
4/15/2015		0.039	
10/28/2015	0.047		
10/29/2015		0.04	
6/24/2016	0.044	0.034	
9/1/2016	0.046	0.033	
10/25/2016	0.0436		
10/26/2016		0.0339	
1/26/2017	0.051		
1/27/2017		0.037	
4/11/2017	0.043		
4/12/2017		0.032	
6/21/2017	0.043	0.036	
10/25/2017		0.041	
10/26/2017	0.038		
4/10/2018	0.046		
4/11/2018		0.04	
10/17/2018	0.043	0.039	
3/27/2019		0.033	
3/28/2019	0.045		
8/21/2019	0.05	0.036	
10/9/2019	0.049	0.039	
4/8/2020	0.045		
4/9/2020		0.041	
8/18/2020	0.062		
8/20/2020		0.041	0.053
9/29/2020	0.056		
9/30/2020		0.041	0.053
2/9/2021	0.051		
2/10/2021		0.038	0.042
9/8/2021	0.058		0.037
9/9/2021		0.046	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
2/2/2022	0.062		0.036
2/3/2022		0.043	
9/2/2022	0.0727	0.0369	0.0374
2/2/2023		0.0387	
2/3/2023	0.0572		
2/7/2023			0.0364
8/9/2023	0.0861		0.0372
8/10/2023		0.0415	
1/25/2024	0.0519	0.0404	0.0343
8/21/2024	0.048	0.0355	0.0298
2/5/2025	0.0426	0.0382	0.0316

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		<0.0005	<0.0005	
8/31/2016	<0.0005			<0.0005
10/24/2016			<0.0005	
10/25/2016	<0.0005	<0.0005		<0.0005
1/23/2017			<0.0005	
1/24/2017	<0.0005	<0.0005		<0.0005
4/11/2017	<0.0005	<0.0005	<0.0005	<0.0005
6/20/2017	<0.0005	<0.0005		
6/21/2017			<0.0005	<0.0005
10/25/2017	<0.0005	<0.0005	<0.0005	<0.0005
4/9/2018				<0.0005
4/10/2018	<0.0005	<0.0005	<0.0005	
10/16/2018	<0.0005	<0.0005	<0.0005	<0.0005
8/19/2019				<0.0005
8/20/2019	0.00025 (J)	0.00035 (J)	<0.0005	
10/8/2019	<0.0005	0.00041 (J)	<0.0005	<0.0005
4/7/2020	<0.0005	<0.0005	<0.0005	<0.0005
8/18/2020	<0.0005	<0.0005	<0.0005	<0.0005
9/29/2020	<0.0005	<0.0005	<0.0005	<0.0005
2/9/2021	<0.0005	<0.0005	<0.0005	<0.0005
9/7/2021			<0.0005	<0.0005
9/8/2021	<0.0005	<0.0005		
2/1/2022	<0.0005	<0.0005	<0.0005	<0.0005
8/30/2022		<0.0005	<0.0005	
8/31/2022	<0.0005			<0.0005
2/2/2023			<0.0005	
2/3/2023	<0.0005	<0.0005		<0.0005
8/9/2023	<0.0005		<0.0005	<0.0005
8/10/2023		<0.0005		
1/24/2024	<0.0005	<0.0005		
1/25/2024			<0.0005	<0.0005
8/20/2024	<0.0005		<0.0005	
8/21/2024		<0.0005		<0.0005
2/5/2025	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	<0.0005		<0.0005	<0.0005
10/25/2016	<0.0005		0.0001 (J)	
10/26/2016				<0.0005
1/23/2017	<0.0005			
1/26/2017			<0.0005	<0.0005
4/11/2017	<0.0005			
4/12/2017			<0.0005	<0.0005
6/20/2017	<0.0005			
6/21/2017				<0.0005
6/22/2017			<0.0005	
10/25/2017	<0.0005		<0.0005	
10/26/2017				<0.0005
4/9/2018	<0.0005			
4/10/2018			<0.0005	
4/11/2018				<0.0005
10/16/2018	<0.0005			
10/17/2018			<0.0005	<0.0005
8/21/2019	<0.0005		<0.0005	<0.0005
10/7/2019	<0.0005			
10/9/2019			0.00041 (J)	0.00047 (J)
4/6/2020	<0.0005			
4/8/2020			<0.0005	
4/9/2020				<0.0005
8/18/2020			<0.0005	
8/19/2020	<0.0005			
8/20/2020				<0.0005
9/29/2020	<0.0005		<0.0005	
10/1/2020				<0.0005
12/1/2020		<0.0005		
2/9/2021		<0.0005		
2/10/2021			<0.0005	<0.0005
2/11/2021	<0.0005			
3/29/2021		<0.0005		
9/8/2021	<0.0005	<0.0005		
9/9/2021				<0.0005
9/10/2021			<0.0005	
2/1/2022		<0.0005		
2/2/2022	<0.0005			<0.0005
2/3/2022			<0.0005	
8/31/2022	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2023		<0.0005	<0.0005	<0.0005
2/7/2023	<0.0005			
8/9/2023		<0.0005		
8/10/2023	<0.0005		<0.0005	<0.0005
1/24/2024	<0.0005	<0.0005		
1/25/2024			<0.0005	<0.0005
8/20/2024		<0.0005		
8/21/2024			<0.0005	<0.0005
8/22/2024	<0.0005			
2/5/2025	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	<0.0005			
9/1/2016		<0.0005		<0.0005
9/2/2016			<0.0005	
10/25/2016	<0.0005	<0.0005		<0.0005
10/26/2016			<0.0005	
1/26/2017	<0.0005		<0.0005	<0.0005
1/27/2017		<0.0005		
4/11/2017				<0.0005
4/12/2017	<0.0005	<0.0005	<0.0005	
6/21/2017			<0.0005	<0.0005
6/22/2017	<0.0005	<0.0005		
10/25/2017	<0.0005			
10/26/2017		<0.0005	<0.0005	<0.0005
4/10/2018			<0.0005	<0.0005
4/11/2018	<0.0005	<0.0005		
10/16/2018				<0.0005
10/17/2018	<0.0005	<0.0005	<0.0005	
8/20/2019				<0.0005
8/21/2019	<0.0005	<0.0005	<0.0005	
10/8/2019			<0.0005	
10/9/2019	0.00037 (J)	<0.0005		0.00027 (J)
4/8/2020		<0.0005	<0.0005	<0.0005
4/9/2020	<0.0005			
8/19/2020	<0.0005	<0.0005	<0.0005	<0.0005
9/29/2020			<0.0005	<0.0005
10/1/2020	<0.0005	<0.0005		
2/9/2021		<0.0005	<0.0005	<0.0005
2/10/2021	<0.0005			
9/8/2021			<0.0005	<0.0005
9/9/2021	<0.0005			
9/10/2021		<0.0005		
2/2/2022	<0.0005	<0.0005		
2/3/2022			<0.0005	<0.0005
8/31/2022	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2023	<0.0005	<0.0005		<0.0005
2/3/2023			<0.0005	
8/9/2023		<0.0005		
8/10/2023	<0.0005		<0.0005	<0.0005
1/25/2024	<0.0005	<0.0005	<0.0005	<0.0005
8/21/2024	<0.0005	<0.0005	<0.0005	<0.0005
2/5/2025	<0.0005	<0.0005		<0.0005
2/13/2025			<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	0.00034 (J)	<0.0005	
10/25/2016	0.0002 (J)		
10/26/2016		<0.0005	
1/26/2017	<0.0025		
1/27/2017		<0.0005	
4/11/2017	<0.0025		
4/12/2017		<0.0005	
6/21/2017	<0.0025	<0.0005	
10/25/2017		<0.0005	
10/26/2017	<0.0025		
4/10/2018	<0.0025		
4/11/2018		<0.0005	
10/17/2018	<0.0025	<0.0005	
8/21/2019	0.00025 (J)	<0.0005	
10/9/2019	0.00076 (J)	0.00034 (J)	
4/8/2020	0.00025 (J)		
4/9/2020		<0.0005	
8/18/2020	0.00039 (J)		
8/20/2020		<0.0005	<0.0005
9/29/2020	0.0004 (J)		
9/30/2020		<0.0005	<0.0005
2/9/2021	<0.0025		
2/10/2021		<0.0005	<0.0005
9/8/2021	0.00037 (J)		<0.0005
9/9/2021		<0.0005	
2/2/2022	0.00051 (J)		<0.0005
2/3/2022		<0.0005	
9/2/2022	0.000417 (J)	<0.0005	<0.0005
2/2/2023		<0.0005	
2/3/2023	0.00044 (J)		
2/7/2023			<0.0005
8/9/2023	0.00049 (J)		<0.0005
8/10/2023		<0.0005	
1/25/2024	0.000379 (J)	<0.0005	<0.0005
8/21/2024	0.000344 (J)	<0.0005	<0.0005
2/5/2025	0.000265 (J)	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		<0.015	0.032 (J)	
8/31/2016	<0.015			0.1
10/24/2016			0.0406 (J)	
10/25/2016	0.0068 (J)	0.0073 (J)		0.204
1/23/2017			0.023 (J)	
1/24/2017	<0.015	<0.015		0.064
4/11/2017	<0.015	<0.015	0.025 (J)	0.081
6/20/2017	<0.015	<0.015		
6/21/2017			<0.08	0.13
10/25/2017	<0.015	<0.015	0.028 (J)	0.17
4/9/2018				0.059
4/10/2018	<0.015	<0.015	0.027 (J)	
10/16/2018	<0.015	<0.015	0.023 (J)	0.34
3/26/2019				0.32
3/27/2019	<0.015	<0.015	<0.08	
10/8/2019	<0.015	<0.015	<0.08	0.68
4/7/2020	<0.015	<0.015	<0.08	0.23
6/25/2020	<0.015	<0.015		0.32
6/26/2020			<0.08	
9/29/2020	<0.015	<0.015	<0.08	0.35
2/9/2021	<0.015	<0.015	<0.08	0.38
9/7/2021			<0.08	0.96
9/8/2021	<0.015	<0.015		
2/1/2022	<0.015	<0.015	<0.08	0.3
8/30/2022		0.00855 (J)	0.0214	
8/31/2022	0.00589 (J)			0.933
2/2/2023			0.0179	
2/3/2023	<0.015	0.0066 (J)		0.26
8/9/2023	0.00594 (J)		0.0235	1.06
8/10/2023		0.0139 (J)		
1/24/2024	0.00554 (J)	0.00641 (J)		
1/25/2024			0.0208	0.713
8/20/2024	<0.015		0.0106 (J)	
8/21/2024		0.00762 (J)		1.11
2/5/2025	0.00681 (J)	<0.015	0.0165	0.563

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	0.04 (J)		0.14	1.3
10/25/2016	0.065 (J)		0.126	
10/26/2016				1.14
1/23/2017	0.031 (J)			
1/26/2017			0.14	1.5
4/11/2017	0.043 (J)			
4/12/2017			0.12	1.3
6/20/2017	0.029 (J)			
6/21/2017				1.3
6/22/2017			0.11	
10/25/2017	0.041 (J)		0.12	
10/26/2017				1.5
4/9/2018	0.04 (J)			
4/10/2018			0.1	
4/11/2018				1
10/16/2018	0.046 (J)			
10/17/2018			0.084	1.3
3/27/2019	0.032 (J)			
3/28/2019			0.087	
3/29/2019				1.3
10/7/2019	<0.08			
10/9/2019			0.076 (J)	1.2
4/6/2020	0.041 (J)			
4/8/2020			0.086	
4/9/2020				1.1
6/23/2020				1.1
6/25/2020	<0.08		0.091	
9/29/2020	0.039 (J)		0.078 (J)	
10/1/2020				1.2
12/1/2020		<0.08		
2/9/2021		<0.08		
2/10/2021			0.1	1.3
2/11/2021	0.062 (J)			
3/29/2021		0.071 (J)		
9/8/2021	<0.08	<0.08		
9/9/2021				1.2
9/10/2021			0.093	
2/1/2022		<0.08		
2/2/2022	<0.08			1.1
2/3/2022			0.13	
8/31/2022	0.0356	0.0151	0.0815	1.05
2/2/2023		0.014 (J)	0.0773	1.04
2/7/2023	0.0145 (J)			
8/9/2023		0.0117 (J)		
8/10/2023	0.0372		0.116	0.98
1/24/2024	0.0605	0.0133 (J)		
1/25/2024			0.076	1.07
8/20/2024		0.00663 (J)		
8/21/2024			0.0724	0.877
8/22/2024	0.0311			
2/5/2025	0.0347	0.0122 (J)	0.0749	0.913

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	<0.08			
9/1/2016		<0.015		0.049 (J)
9/2/2016			<0.08	
10/25/2016	0.0071 (J)	<0.015		0.042 (J)
10/26/2016			0.0138 (J)	
1/26/2017	<0.08		<0.08	0.059
1/27/2017		<0.015		
4/11/2017				0.045 (J)
4/12/2017	<0.08	<0.015	<0.08	
6/21/2017			<0.08	0.045 (J)
6/22/2017	<0.08	<0.015		
10/25/2017	<0.08			
10/26/2017		0.026 (J)	<0.08	0.054
4/10/2018			<0.08	0.048 (J)
4/11/2018	<0.08	<0.015		
10/16/2018				0.048 (J)
10/17/2018	<0.08	<0.015	<0.08	
3/27/2019			<0.08	
3/28/2019	0.044 (J)	<0.015		0.08
10/8/2019			<0.08	
10/9/2019	<0.08	<0.015		0.065 (J)
4/8/2020		<0.015	<0.08	0.059 (J)
4/9/2020	<0.08			
6/23/2020		0.053 (J)		
6/24/2020				0.11
6/25/2020			<0.08	
6/26/2020	<0.08			
9/29/2020			<0.08	0.081
10/1/2020	0.041 (J)	0.082		
2/9/2021		<0.015	<0.08	0.076 (J)
2/10/2021	0.06 (J)			
9/8/2021			<0.08	0.13
9/9/2021	<0.08			
9/10/2021		<0.015		
2/2/2022	<0.08	<0.015		
2/3/2022			<0.08	0.13
8/31/2022	0.00885 (J)	0.00863 (J)	0.0137 (J)	0.101
2/2/2023	0.00794 (J)	0.00561 (J)		0.194
2/3/2023			0.0113 (J)	
8/9/2023		<0.015		
8/10/2023	0.00623 (J)		0.00806 (J)	0.224
1/25/2024	0.0114 (J)	0.00819 (J)	0.0125 (J)	0.37
8/21/2024	0.0066 (J)	0.00605 (J)	0.0103 (J)	0.449
2/5/2025	0.00699 (J)	0.00539 (J)		0.593
2/13/2025			0.00936 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	0.022 (J)	2.4	
10/25/2016	0.0219 (J)		
10/26/2016		1.97	
1/26/2017	<0.08		
1/27/2017		2.6	
4/11/2017	<0.08		
4/12/2017		2.4	
6/21/2017	<0.08	2.2	
10/25/2017		2.5	
10/26/2017	0.023 (J)		
4/10/2018	0.026 (J)		
4/11/2018		2.7	
10/17/2018	<0.08	2.2	
3/27/2019		2.3	
3/28/2019	0.022 (J)		
10/9/2019	<0.08	2.1	
1/15/2020			0.32
4/8/2020	<0.08		
4/9/2020		2.3	
6/24/2020	0.059 (J)	2.2	0.4
9/29/2020	0.045 (J)		
9/30/2020		2.6	0.36
2/9/2021	0.042 (J)		
2/10/2021		2.4	0.4
9/8/2021	0.074 (J)		0.45
9/9/2021		2.4	
2/2/2022	0.11		0.43
2/3/2022		2.4	
9/2/2022	0.0555	2.53	0.477
2/2/2023		2.61	
2/3/2023	0.051		
2/7/2023			0.495
8/9/2023	0.0534		0.523
8/10/2023		2.54	
1/25/2024	0.059	2.43	0.698
8/21/2024	0.0575	2.47	0.693
2/5/2025	0.054	2.32	0.772

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
12/16/1997	0.103 (O)	<0.001		
6/30/1998	0.0063 (O)	<0.001		
12/2/1998	<0.001	<0.001		
6/8/1999	<0.001	<0.001		
12/7/1999	<0.001	<0.001		
6/15/2000	<0.001	<0.001		
12/12/2000	<0.001	<0.001		
12/5/2001	0.002	<0.001		
6/26/2002	0.003	<0.001		
12/3/2002	<0.001	<0.001		
6/11/2003	0.0043	<0.001		
12/10/2003	<0.001	<0.001		
6/15/2004	<0.001	<0.001		
12/14/2004	<0.001	0.0012		
6/2/2005	<0.001	<0.001		
12/14/2005	<0.001	<0.001		
4/5/2006		<0.001		
4/6/2006	<0.001			
10/30/2006	<0.001	<0.001		
5/10/2007	<0.001	<0.001		
11/17/2007	<0.001	<0.001		
5/3/2008	0.00033	<0.001		
10/22/2008	<0.001	<0.001		
5/6/2009		<0.001	<0.001	
5/7/2009	<0.001			<0.001
12/1/2009		<0.001		
12/3/2009			<0.001	<0.001
12/4/2009	<0.001			
5/25/2010		<0.001	<0.001	<0.001
6/1/2010	<0.001			
11/9/2010		<0.001	<0.001	
11/10/2010	<0.001			<0.001
5/24/2011		<0.001	<0.001	
5/25/2011	<0.001			<0.001
11/10/2011		<0.001	<0.001	<0.001
11/12/2011	<0.001			
5/18/2012		<0.001	<0.001	
5/30/2012				<0.001
5/31/2012	<0.001			
11/9/2012		<0.001	<0.001	<0.001
11/11/2012	<0.001			
5/8/2013		<0.001	<0.001	
5/9/2013				<0.001
5/13/2013	<0.001			
11/6/2013		<0.001	<0.001	
11/11/2013				<0.001
11/12/2013	<0.001			
5/20/2014		<0.001	<0.001	
5/21/2014				<0.001
5/29/2014	<0.001			
11/17/2014		<0.001		
11/18/2014			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
4/7/2015		<0.001		<0.001
4/14/2015	<0.001		0.00026 (J)	
10/28/2015		<0.001		<0.001
10/29/2015			<0.001	
11/3/2015	<0.001			
6/23/2016	<0.001	<0.001	<0.001	<0.001
8/30/2016		<0.001	<0.001	
8/31/2016	<0.001			<0.001
10/24/2016			<0.001	
10/25/2016	<0.001	<0.001		<0.001
1/23/2017			<0.001	
1/24/2017	<0.001	<0.001		<0.001
4/11/2017	<0.001	<0.001	<0.001	<0.001
6/20/2017	<0.001	<0.001		
6/21/2017			<0.001	<0.001
10/25/2017	<0.001	<0.001	<0.001	<0.001
4/9/2018				<0.001
4/10/2018	<0.001	<0.001	<0.001	
10/16/2018	<0.001	<0.001	<0.001	<0.001
3/26/2019				<0.001
3/27/2019	<0.001	<0.001	<0.001	
8/19/2019				<0.001
8/20/2019	0.00014 (J)	<0.001	<0.001	
10/8/2019	<0.001	<0.001	<0.001	<0.001
4/7/2020	<0.001	<0.001	<0.001	<0.001
8/18/2020	<0.001	<0.001	<0.001	<0.001
9/29/2020	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001
9/7/2021			<0.001	<0.001
9/8/2021	<0.001	<0.001		
2/1/2022	<0.001	<0.001	<0.001	<0.001
8/30/2022		<0.001	<0.001	
8/31/2022	<0.001			<0.001
2/2/2023			<0.001	
2/3/2023	<0.001	<0.001		<0.001
8/9/2023	<0.001		<0.001	<0.001
8/10/2023		<0.001		
1/24/2024	<0.001	<0.001		
1/25/2024			<0.001	<0.001
8/20/2024	<0.001		<0.001	
8/21/2024		<0.001		<0.001
2/5/2025	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
12/14/2005			<0.001	
4/5/2006			<0.001	
10/30/2006			<0.001	
5/10/2007			<0.001	
11/17/2007			<0.001	
5/2/2008			<0.001	
10/22/2008			<0.001	
5/14/2009			<0.001	<0.001
12/1/2009			<0.001	
12/3/2009				<0.001
5/26/2010			<0.001	<0.001
6/2/2010	<0.001			
11/9/2010				<0.001
11/10/2010	<0.001		<0.001	
5/18/2011				<0.001
5/19/2011	<0.001			
5/25/2011			<0.001	
11/9/2011	<0.001			
11/11/2011			<0.001	<0.001
5/17/2012			<0.001	<0.001
5/30/2012	<0.001			
11/9/2012			<0.001	<0.001
11/11/2012	<0.001			
5/7/2013				<0.001
5/8/2013			<0.001	
5/9/2013	<0.001			
11/5/2013			<0.001	<0.001
11/11/2013	<0.001			
5/21/2014			<0.001	<0.001
5/29/2014	<0.001			
11/17/2014			<0.001	
11/18/2014				<0.001
11/19/2014	<0.001			
4/7/2015			<0.001	<0.001
4/14/2015	<0.001			
10/28/2015			<0.001	<0.001
11/4/2015	<0.001			
6/23/2016	<0.001		<0.001	<0.001
8/31/2016	0.00039 (J)		<0.001	<0.001
10/25/2016	<0.001		<0.001	
10/26/2016				<0.001
1/23/2017	<0.001			
1/26/2017			<0.001	<0.001
4/11/2017	<0.001			
4/12/2017			<0.001	<0.001
6/20/2017	<0.001			
6/21/2017				<0.001
6/22/2017			<0.001	
10/25/2017	<0.001		<0.001	
10/26/2017				<0.001
4/9/2018	0.00052 (J)			
4/10/2018			<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
4/11/2018				<0.001
10/16/2018	0.00071 (J)			
10/17/2018			<0.001	<0.001
3/27/2019	<0.001			
3/28/2019			<0.001	
3/29/2019				<0.001
8/21/2019	0.00015 (J)		<0.001	<0.001
10/7/2019	<0.001			
10/9/2019			<0.001	<0.001
4/6/2020	<0.001			
4/8/2020			<0.001	
4/9/2020				<0.001
8/18/2020			<0.001	
8/19/2020	<0.001			
8/20/2020				<0.001
9/29/2020	0.00023 (J)		<0.001	
10/1/2020				<0.001
12/1/2020		<0.001		
2/9/2021		<0.001		
2/10/2021			<0.001	<0.001
2/11/2021	<0.001			
3/29/2021		<0.001		
9/8/2021	<0.001	<0.001		
9/9/2021				<0.001
9/10/2021			<0.001	
2/1/2022		<0.001		
2/2/2022	<0.001			<0.001
2/3/2022			<0.001	
8/31/2022	<0.001	<0.001	<0.001	<0.001
2/2/2023		<0.001	<0.001	<0.001
2/7/2023	<0.001			
8/9/2023		<0.001		
8/10/2023	<0.001		<0.001	<0.001
1/24/2024	<0.001	<0.001		
1/25/2024			<0.001	<0.001
8/20/2024		<0.001		
8/21/2024			<0.001	<0.001
8/22/2024	<0.001			
2/5/2025	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/5/2006			<0.001	
5/5/2009			<0.001	
5/12/2009				<0.001
5/13/2009	<0.001	<0.001		
12/3/2009	<0.001	<0.001		
12/4/2009			<0.001	
12/5/2009				<0.001
5/26/2010	<0.001	<0.001		<0.001
6/1/2010			<0.001	
11/9/2010	<0.001	<0.001		<0.001
11/10/2010			<0.001	
5/19/2011	<0.001	<0.001		
5/24/2011				<0.001
5/25/2011			<0.001	
11/9/2011			<0.001	
11/11/2011	<0.001	<0.001		
11/12/2011				<0.001
5/17/2012	<0.001	<0.001		
5/30/2012				<0.001
5/31/2012			<0.001	
11/9/2012	<0.001	<0.001		<0.001
11/10/2012			<0.001	
5/7/2013	<0.001	<0.001		
5/13/2013			<0.001	<0.001
11/6/2013	<0.001	<0.001		<0.001
11/12/2013			<0.001	
5/20/2014		<0.001		
5/21/2014	<0.001			<0.001
5/28/2014			0.00026 (J)	
11/17/2014				<0.001
11/18/2014	<0.001	<0.001		
11/20/2014			<0.001	
4/7/2015	<0.001	<0.001		<0.001
4/14/2015			<0.001	
10/28/2015	<0.001	<0.001		<0.001
11/3/2015			<0.001	
6/23/2016	<0.001	<0.001	<0.001	
6/24/2016				<0.001
8/31/2016	<0.001			
9/1/2016		<0.001		<0.001
9/2/2016			<0.001	
10/25/2016	<0.001	<0.001		0.0001 (J)
10/26/2016			<0.001	
1/26/2017	<0.001		<0.001	<0.001
1/27/2017		<0.001		
4/11/2017				<0.001
4/12/2017	<0.001	<0.001	<0.001	
6/21/2017			<0.001	<0.001
6/22/2017	<0.001	<0.001		
10/25/2017	<0.001			
10/26/2017		<0.001	<0.001	<0.001
4/10/2018			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/11/2018	<0.001	<0.001		
10/16/2018				<0.001
10/17/2018	<0.001	<0.001	<0.001	
3/27/2019			<0.001	
3/28/2019	<0.001	<0.001		<0.001
8/20/2019				<0.001
8/21/2019	<0.001	<0.001	<0.001	
10/8/2019			<0.001	
10/9/2019	<0.001	<0.001		<0.001
4/8/2020		<0.001	<0.001	<0.001
4/9/2020	<0.001			
8/19/2020	<0.001	<0.001	<0.001	<0.001
9/29/2020			<0.001	<0.001
10/1/2020	<0.001	<0.001		
2/9/2021		<0.001	<0.001	<0.001
2/10/2021	<0.001			
9/8/2021			<0.001	<0.001
9/9/2021	<0.001			
9/10/2021		<0.001		
2/2/2022	<0.001	<0.001		
2/3/2022			<0.001	<0.001
8/31/2022	<0.001	<0.001	<0.001	<0.001
2/2/2023	<0.001	<0.001		<0.001
2/3/2023			<0.001	
8/9/2023		<0.001		
8/10/2023	<0.001		<0.001	<0.001
1/25/2024	<0.001	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	<0.001	<0.001
2/5/2025	<0.001	<0.001		<0.001
2/13/2025			<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
5/12/2009	<0.001	<0.001	
12/4/2009	<0.001	<0.001	
5/25/2010	<0.001	<0.001	
11/9/2010	<0.001		
11/10/2010		<0.001	
5/19/2011		<0.001	
5/24/2011	<0.001		
11/12/2011	<0.001	<0.001	
5/17/2012		<0.001	
5/30/2012	<0.001		
11/9/2012	0.0015		
11/10/2012		<0.001	
5/7/2013		<0.001	
5/8/2013	<0.001		
11/5/2013		<0.001	
11/6/2013	<0.001		
5/20/2014	<0.001		
5/28/2014		<0.001	
11/17/2014	<0.001		
11/19/2014		<0.001	
4/7/2015	<0.001		
4/15/2015		<0.001	
10/28/2015	<0.001		
10/29/2015		<0.001	
6/24/2016	<0.001	<0.001	
9/1/2016	<0.001	<0.001	
10/25/2016	0.0001 (J)		
10/26/2016		<0.001	
1/26/2017	<0.001		
1/27/2017		<0.001	
4/11/2017	<0.001		
4/12/2017		<0.001	
6/21/2017	<0.001	<0.001	
10/25/2017		<0.001	
10/26/2017	<0.001		
4/10/2018	<0.001		
4/11/2018		<0.001	
10/17/2018	<0.001	<0.001	
3/27/2019		<0.001	
3/28/2019	<0.001		
8/21/2019	0.00013 (J)	<0.001	
10/9/2019	0.00018 (J)	<0.001	
4/8/2020	<0.001		
4/9/2020		<0.001	
8/18/2020	<0.001		
8/20/2020		<0.001	<0.001
9/29/2020	<0.001		
9/30/2020		<0.001	<0.001
2/9/2021	<0.001		
2/10/2021		<0.001	<0.001
9/8/2021	<0.001		<0.001
9/9/2021		<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
2/2/2022	0.0003 (J)		0.00023 (J)
2/3/2022		<0.001	
9/2/2022	<0.001	<0.001	<0.001
2/2/2023		<0.001	
2/3/2023	<0.001		
2/7/2023			<0.001
8/9/2023	0.000445 (J)		<0.001
8/10/2023		<0.001	
1/25/2024	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	0.000451 (J)
2/5/2025	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		5.1	11	
8/31/2016	5.4			110
10/24/2016			10.4	
10/25/2016	4.47	4.76		150
1/23/2017			12	
1/24/2017	5.8	5.6		78
4/11/2017	5.3	4.7	12	78
6/20/2017	5.8	5.4		
6/21/2017			12	110
10/25/2017	5.9	6	13	120
4/9/2018				49
4/10/2018	5.9	5.3	13	
10/16/2018	5.8	5.6	12	110
3/26/2019				95
3/27/2019	5.4	4.5	11	
10/8/2019	6	5.9	13	190
4/7/2020	5.5	4	12	61
6/25/2020	5.7	6.1		100
6/26/2020			15	
9/29/2020	5.9	6.6	14	120
2/9/2021	5.8	6.2	14	110
9/7/2021			14	190
9/8/2021	5.8	7.3		
2/1/2022	5.4	6.5	12	73
8/30/2022		9.56	14.2	
8/31/2022	5.91			165
2/2/2023			14.9	
2/3/2023	5.79	10.4		49
8/9/2023	5.96		16	186
8/10/2023		12.6		
1/24/2024	5.9	12.4		
1/25/2024			13.3	118
8/20/2024	6.01		11.8	
8/21/2024		16.4		165
2/5/2025	5.98	15.3	11.8	82

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	31		12	46
10/25/2016	38.5		10.9	
10/26/2016				43.3
1/23/2017	25			
1/26/2017			13	51
4/11/2017	33			
4/12/2017			12	47
6/20/2017	34			
6/21/2017				51
6/22/2017			13	
10/25/2017	28		12	
10/26/2017				55
4/9/2018	30			
4/10/2018			12	
4/11/2018				44
10/16/2018	41			
10/17/2018			11	52
3/27/2019	42			
3/28/2019			11	
3/29/2019				52
10/7/2019	36			
10/9/2019			11	53
4/6/2020	43			
4/8/2020			11	
4/9/2020				47
6/23/2020				52
6/25/2020	27		11	
9/29/2020	29		11	
10/1/2020				52
12/1/2020		13		
2/9/2021		9.7		
2/10/2021			9.9	48
2/11/2021	40			
3/29/2021		10		
9/8/2021	24	10		
9/9/2021				49
9/10/2021			10	
2/1/2022		9.6		
2/2/2022	48			47
2/3/2022			11	
8/31/2022	41.6	10.1	9.99	43
2/2/2023		10.2	10.2	45.7
2/7/2023	19.1			
8/9/2023		9.31		
8/10/2023	49.5		9.75	44.9
1/24/2024	45.6	9.3		
1/25/2024			10.3	46
8/20/2024		9.12		
8/21/2024			8.99	43.4
8/22/2024	45.3			
2/5/2025	41.7	9.2	9.35	44.3

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	5.2			
9/1/2016		6.6		21
9/2/2016			22	
10/25/2016	4.64	5.89		29.8
10/26/2016			23.7	
1/26/2017	5.5		23	23
1/27/2017		7.4		
4/11/2017				28
4/12/2017	4.9	6.7	17	
6/21/2017			18	22
6/22/2017	5.8	7.5		
10/25/2017	6.1			
10/26/2017		7.8	19	21
4/10/2018			24	25
4/11/2018	6	7.4		
10/16/2018				16
10/17/2018	5.8	7.1	21	
3/27/2019			28	
3/28/2019	5.6	7.3		41
10/8/2019			24	
10/9/2019	5.7	7.7		39
4/8/2020		7.5	21	40
4/9/2020	5.3			
6/23/2020		7.7		
6/24/2020				47
6/25/2020			23	
6/26/2020	5.6			
9/29/2020			25	39
10/1/2020	5.7	8.1		
2/9/2021		7.7	23	38
2/10/2021	4.8			
9/8/2021			27	32
9/9/2021	4.7			
9/10/2021		8.1		
2/2/2022	4.7	8.3		
2/3/2022			22	50
8/31/2022	4.77	7.65	25	42.4
2/2/2023	4.88	7.69		66.5
2/3/2023			20.5	
8/9/2023		7.85		
8/10/2023	4.75		30.9	63.4
1/25/2024	4.81	8.32	23.3	71.7
8/21/2024	4.65	7.87	26.1	69.9
2/5/2025	4.85	8.09		78.4
2/13/2025			17.6	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	16	42	
10/25/2016	13.5		
10/26/2016		44.3	
1/26/2017	21		
1/27/2017		49	
4/11/2017	16		
4/12/2017		45	
6/21/2017	15	49	
10/25/2017		49	
10/26/2017	13		
4/10/2018	13		
4/11/2018		44	
10/17/2018	10	49	
3/27/2019		47	
3/28/2019	10		
10/9/2019	10	49	
4/8/2020	8.3		
4/9/2020		46	
6/24/2020	11	44	170
9/29/2020	12		
9/30/2020		52	210
2/9/2021	12		
2/10/2021		52	220
9/8/2021	15		230
9/9/2021		55	
2/2/2022	14		240
2/3/2022		55	
9/2/2022	23.7	52.4	240
2/2/2023		52.4	
2/3/2023	18.8		
2/7/2023			254
8/9/2023	37.4		261
8/10/2023		52.1	
1/25/2024	22.6	54	310
8/21/2024	24.2	48.9	315
2/5/2025	18.9	53.3	328

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
12/16/1997	6.2	3.8		
6/30/1998	4.6	2.9		
12/2/1998	3.13	1.76		
6/8/1999	1.56	1.97		
12/7/1999	3.05	1.98		
6/15/2000	3.35	2.08		
12/12/2000	2.42	2.02		
12/5/2001	2.62	2.03		
6/26/2002	3.4	2.52		
12/3/2002	3.04	2.12		
6/11/2003	3.02	2.43		
12/10/2003	2.9	1.93		
6/15/2004	2.05	2.42		
12/14/2004	2.78	2.44		
6/2/2005	3.15	2.79		
12/14/2005	3.38	2.77		
4/5/2006		2.8		
4/6/2006	3.49			
10/30/2006	2.84	3.09		
5/10/2007	3.68	3.93		
11/17/2007	2.69	<0.021		
5/3/2008	2.85	3.52		
10/22/2008	2.99	3.15		
5/6/2009		3.49	10.7	
5/7/2009	2.96			4.24
12/1/2009		3.26		
12/3/2009			10.1	2.66
12/4/2009	2.97			
5/25/2010		3.62	7.11	3.29
6/1/2010	3.23			
11/9/2010		3.38	8.4	
11/10/2010	2.86			3.82
5/24/2011		3.62	9.07	
5/25/2011	2.86			4.92
11/10/2011		3.74	10.3	4.48
11/12/2011	2.83			
5/18/2012		3.6	10.1	
5/30/2012				4.72
5/31/2012	2.68			
11/9/2012		3.66	8.73	5.1
11/11/2012	2.63			
5/8/2013		4.16	8.06	
5/9/2013				3.85
5/13/2013	0.364			
11/6/2013		3.87	10.2	
11/11/2013				5.26
11/12/2013	2.95			
5/20/2014		4.4	8.2	
5/21/2014				4.47
5/29/2014	2.64			
11/17/2014		4.2		
11/18/2014			10	6.4

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
4/7/2015		4.53		5.04
4/14/2015	2.78		10.7	
10/28/2015		4.47		6.3
10/29/2015			10.7	
11/3/2015	2.66			
6/23/2016	3.3	4.6	11	5.7
8/30/2016		4.3	11	
8/31/2016	2.7			5.7
10/24/2016			12	
10/25/2016	3.1	5		7.9
1/23/2017			11	
1/24/2017	2.5	5.1		4.4
4/11/2017	2.4	4.4	11	4.3
6/20/2017	2.5	5		
6/21/2017			11	5.5
10/25/2017	2.3	5.3	10	5.2
4/9/2018				3.8
4/10/2018	2.4	5.1	9.9	
10/16/2018	2.5	5.3	11	6
3/26/2019				4.6
3/27/2019	2.5	4.3	11	
10/8/2019	2.6	5.7	64 (O)	6.7
4/7/2020	2.9	3.7	11	3.8
6/25/2020	2.8	4.2		5.8
6/26/2020			12	
9/29/2020	2.7	4.6	12	5.7
2/9/2021	3	5.1	15	6
9/7/2021			14	8.2
9/8/2021	3	5.3		
2/1/2022	3.4	5.3	12	4.6
8/30/2022		8.47	12.8	
8/31/2022	2.94			6.89
2/2/2023			13.2	
2/3/2023	2.67	8.74		3.04
8/9/2023	2.71		13.3	5.87
8/10/2023		12.4		
1/24/2024	2.72	14.9		
1/25/2024			13.1	5.2
8/20/2024	2.66		10.6	
8/21/2024		17		6.76
2/5/2025	2.66	24.3	10.1	3.88

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
12/14/2005			7.52	
4/5/2006			7.38	
10/30/2006			6.9	
5/10/2007			8.88	
11/17/2007			13.5 (O)	
5/2/2008			12.9 (O)	
10/22/2008			7.97	
5/14/2009			7.68	6.38
12/1/2009			6.66	
12/3/2009				5.96
5/26/2010			6	5.37
6/2/2010	15.1			
11/9/2010				<0.071 (O)
11/10/2010	14.8		6.07	
5/18/2011				5.4
5/19/2011	28.2 (O)			
5/25/2011			5.7	
11/9/2011	32.8 (O)			
11/11/2011			6.23	5.58
5/17/2012			6.06	5.15
5/30/2012	30.8 (O)			
11/9/2012			4.9	5.2
11/11/2012	24.6 (O)			
5/7/2013				5.56
5/8/2013			5.85	
5/9/2013	27.2 (O)			
11/5/2013			5.44	5.24
11/11/2013	12.7			
5/21/2014			5.96	7.34 (O)
5/29/2014	20 (O)			
11/17/2014			7	
11/18/2014				6.1
11/19/2014	19 (O)			
4/7/2015			6.08	5.62
4/14/2015	13.6			
10/28/2015			5.02	5.58
11/4/2015	12.4			
6/23/2016	9		5.4	6.2
8/31/2016	5.4		5.1	5.6
10/25/2016	9.3		6.2	
10/26/2016				7.1
1/23/2017	5.1			
1/26/2017			5.1	5.8
4/11/2017	4.1			
4/12/2017			4.9	5.6
6/20/2017	4.1			
6/21/2017				5.8
6/22/2017			5.1	
10/25/2017	3.8		5.1	
10/26/2017				5.5
4/9/2018	3.9			
4/10/2018			5	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
4/11/2018				5.7
10/16/2018	4.3			
10/17/2018			5.8	6
3/27/2019	4			
3/28/2019			5.1	
3/29/2019				5.7
10/7/2019	4			
10/9/2019			4.6	5.7
4/6/2020	4.2			
4/8/2020			4.4	
4/9/2020				7.7
6/23/2020				7
6/25/2020	4		4.6	
9/29/2020	4.1		4.1	
10/1/2020				6
12/1/2020		12		
2/9/2021		11		
2/10/2021			4.5	6.4
2/11/2021	4.6			
3/29/2021		11		
9/8/2021	4	11		
9/9/2021				6.2
9/10/2021			4.8	
2/1/2022		12		
2/2/2022	4.2			6.3
2/3/2022			3.1	
8/31/2022	3.92	12.3	4.59	5.86
2/2/2023		9.71	4.25	5.6
2/7/2023	3.88			
8/9/2023		8.91		
8/10/2023	4.61		4.2	5.45
1/24/2024	4.33	9.01		
1/25/2024			4.76	5.9
8/20/2024		8.27		
8/21/2024			4.45	5.59
8/22/2024	4.39			
2/5/2025	3.57	7.11	4.33	5.28

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/5/2006			2.9	
5/5/2009			2.61	
5/12/2009				3.96
5/13/2009	3.37	3.85		
12/3/2009	3.49	3.73		
12/4/2009			2.37	
12/5/2009				3.81
5/26/2010	3.35	3.7		3.85
6/1/2010			3.71	
11/9/2010	3.34	3.6		4.08
11/10/2010			2.69	
5/19/2011	3.25	3.79		
5/24/2011				3.63
5/25/2011			2.44	
11/9/2011			2.3	
11/11/2011	3.57	4.07		
11/12/2011				4.03
5/17/2012	3.27	3.84		
5/30/2012				3.82
5/31/2012			2.29	
11/9/2012	3.45	3.99		3.69
11/10/2012			2.46	
5/7/2013	3.35	3.94		
5/13/2013			6.55	3.5
11/6/2013	3.45	3.89		3.74
11/12/2013			2.86	
5/20/2014		3.54		
5/21/2014	3.18			3.74
5/28/2014			2.75	
11/17/2014				4.4
11/18/2014	4	4.2		
11/20/2014			3.4	
4/7/2015	4.22	4.09		4.38
4/14/2015			2.56	
10/28/2015	4.87	3.98		4.62
11/3/2015			2.01	
6/23/2016	5.6	4.3	1.9	
6/24/2016				5
8/31/2016	5.4			
9/1/2016		4		4.8
9/2/2016			2.7	
10/25/2016	6.4	4.6		5.4
10/26/2016			3.3	
1/26/2017	5.3		1.6	5.2
1/27/2017		3.9		
4/11/2017				4.8
4/12/2017	5.2	3.7	1.5	
6/21/2017			1.6	5.2
6/22/2017	5.5	3.9		
10/25/2017	5.3			
10/26/2017		3.7	1.6	4.7
4/10/2018			1.8	4.8

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/11/2018	5.1	3.8		
10/16/2018				4.5
10/17/2018	5.3	4	2.1	
3/27/2019			1.8	
3/28/2019	4.8	3.7		4.6
10/8/2019			9.4 (O)	
10/9/2019	5.2	3.8		4.7
4/8/2020		3.9	1.9	5.1
4/9/2020	5.6			
6/23/2020		4.2		
6/24/2020				5.9
6/25/2020			1.9	
6/26/2020	5.4			
9/29/2020			2.5	5.2
10/1/2020	5.5	3.9		
2/9/2021		4.7	2.7	5.7
2/10/2021	5.9			
9/8/2021			2.9	5.6
9/9/2021	6.1			
9/10/2021		4.6		
2/2/2022	5.3	4.4		
2/3/2022			2.9	5.9
8/31/2022	5.28	4.2	3.01	5.67
2/2/2023	4.88	4.1		6.12
2/3/2023			2.71	
8/9/2023		4.11		
8/10/2023	4.8		2.88	5.85
1/25/2024	5.15	4.36	2.83	6.48
8/21/2024	4.93	3.99	2.55	5.71
2/5/2025	4.83	3.91		5.63
2/13/2025			2.48	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
5/12/2009	3.5	8.89	
12/4/2009	1.85	9.43	
5/25/2010	1.74	8.49	
11/9/2010	1.18		
11/10/2010		8.77	
5/19/2011		8.11	
5/24/2011	2.51		
11/12/2011	4.99	12.3 (O)	
5/17/2012		8.4	
5/30/2012	6.4		
11/9/2012	3.37		
11/10/2012		8.13	
5/7/2013		8.11	
5/8/2013	5.67		
11/5/2013		7.82	
11/6/2013	3.62		
5/20/2014	5.82		
5/28/2014		6.99	
11/17/2014	6.4		
11/19/2014		9	
4/7/2015	5.02		
4/15/2015		8.14	
10/28/2015	4.98		
10/29/2015		8.17	
6/24/2016	5	8.4	
9/1/2016	4.4	7.8	
10/25/2016	5.1		
10/26/2016		8.9	
1/26/2017	4.2		
1/27/2017		7.3	
4/11/2017	3.9		
4/12/2017		7	
6/21/2017	4.1	7.2	
10/25/2017		7	
10/26/2017	4		
4/10/2018	4.1		
4/11/2018		6.9	
10/17/2018	4	7.1	
3/27/2019		6.6	
3/28/2019	3.4		
10/9/2019	3.3	6.7	
4/8/2020	3.7		
4/9/2020		7.3	
6/24/2020	4	7.2	6.4
9/29/2020	3.4		
9/30/2020		6.9	5
2/9/2021	3.1		
2/10/2021		7.8	5.1
9/8/2021	2.9		5.3
9/9/2021		8.1	
2/2/2022	3		5.1
2/3/2022		7.1	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/2/2022	2.74	6.52	4.58
2/2/2023		6.7	
2/3/2023	2.68		
2/7/2023			4.85
8/9/2023	2.72		4.64
8/10/2023		6.62	
1/25/2024	2.88	7.26	5.34
8/21/2024	2.76	6.72	5.28
2/5/2025	2.63	6.35	5.36

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		0.0012 (J)	0.0012 (J)	
8/31/2016	0.003			<0.01
10/24/2016			0.0011 (J)	
10/25/2016	0.0028 (J)	0.0014 (J)		<0.01
1/23/2017			<0.01	
1/24/2017	0.0031	0.0012 (J)		<0.01
4/11/2017	0.0029	<0.01	0.0011 (J)	<0.01
6/20/2017	0.0037	<0.01		
6/21/2017			<0.01	<0.01
10/25/2017	0.0031	<0.01	<0.01	<0.01
4/9/2018				<0.01
4/10/2018	0.0036	0.0012 (J)	0.0013 (J)	
10/16/2018	0.0035	0.0012 (J)	<0.01	<0.01
8/19/2019				0.0016 (J)
8/20/2019	0.0039	0.0032	0.0026	
10/8/2019	0.0031	<0.01	<0.01	<0.01
4/7/2020	0.0023	<0.01	0.0015 (J)	<0.01
8/18/2020	0.0027	<0.01	<0.01	<0.01
9/29/2020	0.003	<0.01	<0.01	<0.01
2/9/2021	0.0028	<0.01	<0.01	<0.01
9/7/2021			0.0017 (J)	<0.01
9/8/2021	0.0026	<0.01		
2/1/2022	0.0029	<0.01	<0.01	<0.01
8/30/2022		<0.01	<0.01	
8/31/2022	0.00358 (J)			<0.01
2/2/2023			<0.01	
2/3/2023	0.0139	<0.01		<0.01
8/9/2023	<0.01		<0.01	<0.01
8/10/2023		<0.01		
1/24/2024	0.00308 (J)	<0.01		
1/25/2024			<0.01	<0.01
8/20/2024	0.0032 (J)		<0.01	
8/21/2024		<0.01		<0.01
2/5/2025	0.00342 (J)	<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	<0.01		0.0033	<0.01
10/25/2016	<0.01		0.0029 (J)	
10/26/2016				<0.01
1/23/2017	0.01			
1/26/2017			0.0033	<0.01
4/11/2017	<0.01			
4/12/2017			0.0036	<0.01
6/20/2017	<0.01			
6/21/2017				<0.01
6/22/2017			0.0036	
10/25/2017	<0.01		0.0028	
10/26/2017				<0.01
4/9/2018	0.0019 (J)			
4/10/2018			0.0038	
4/11/2018				<0.01
10/16/2018	<0.01			
10/17/2018			0.0036	<0.01
8/21/2019	<0.01		0.0046	0.0015 (J)
10/7/2019	<0.01			
10/9/2019			0.0042	0.0017 (J)
4/6/2020	<0.01			
4/8/2020			0.0027	
4/9/2020				<0.01
8/18/2020			0.0031	
8/19/2020	<0.01			
8/20/2020				<0.01
9/29/2020	<0.01		0.0031	
10/1/2020				<0.01
12/1/2020		<0.01		
2/9/2021		<0.01		
2/10/2021			0.003	<0.01
2/11/2021	<0.01			
3/29/2021		<0.01		
9/8/2021	<0.01	<0.01		
9/9/2021				<0.01
9/10/2021			0.0032	
2/1/2022		<0.01		
2/2/2022	<0.01			<0.01
2/3/2022			0.0043	
8/31/2022	<0.01	<0.01	0.00344 (J)	<0.01
2/2/2023		<0.01	0.00353 (J)	<0.01
2/7/2023	<0.01			
8/9/2023		<0.01		
8/10/2023	<0.01		0.00353 (J)	<0.01
1/24/2024	<0.01	<0.01		
1/25/2024			0.00317 (J)	<0.01
8/20/2024		<0.01		
8/21/2024			<0.01	<0.01
8/22/2024	<0.01			
2/5/2025	<0.01	<0.01	0.00302 (J)	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	0.011			
9/1/2016		0.0038		0.0017 (J)
9/2/2016			0.0087	
10/25/2016	0.0109	0.0042 (J)		0.0023 (J)
10/26/2016			<0.01	
1/26/2017	0.011		<0.01	0.0017 (J)
1/27/2017		0.005		
4/11/2017				0.0019 (J)
4/12/2017	0.0096	0.0048	<0.01	
6/21/2017			<0.01	0.0017 (J)
6/22/2017	0.011	0.0047		
10/25/2017	0.0094			
10/26/2017		0.0043	<0.01	0.0013 (J)
4/10/2018			<0.01	0.0019 (J)
4/11/2018	0.01	0.0051		
10/16/2018				0.0013 (J)
10/17/2018	0.0096	0.0051	<0.01	
8/20/2019				0.0025
8/21/2019	0.0097	0.0073	0.0017 (J)	
10/8/2019			<0.01	
10/9/2019	0.0084	0.006		0.0027
4/8/2020		0.0046	<0.01	0.0021
4/9/2020	0.0069			
8/19/2020	0.008	0.0049	<0.01	0.0021
9/29/2020			<0.01	0.002
10/1/2020	0.0075	0.0047		
2/9/2021		0.0046	<0.01	0.0018 (J)
2/10/2021	0.007			
9/8/2021			0.0027	0.0016 (J)
9/9/2021	0.0071			
9/10/2021		0.0049		
2/2/2022	0.0068	0.005		
2/3/2022			<0.01	0.0018 (J)
8/31/2022	0.00766 (J)	0.0055 (J)	<0.01	<0.01
2/2/2023	0.00753 (J)	0.00534 (J)		<0.01
2/3/2023			<0.01	
8/9/2023		0.00473 (J)		
8/10/2023	0.00775 (J)		<0.01	<0.01
1/25/2024	0.007 (J)	0.00527 (J)	<0.01	<0.01
8/21/2024	0.00727 (J)	0.00501 (J)	<0.01	<0.01
2/5/2025	0.00691 (J)	0.00513 (J)		<0.01
2/13/2025			<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	<0.01	<0.01	
10/25/2016	<0.01		
10/26/2016		<0.01	
1/26/2017	0.0016 (J)		
1/27/2017		<0.01	
4/11/2017	0.0013 (J)		
4/12/2017		<0.01	
6/21/2017	<0.01	<0.01	
10/25/2017		<0.01	
10/26/2017	<0.01		
4/10/2018	<0.01		
4/11/2018		<0.01	
10/17/2018	<0.01	<0.01	
8/21/2019	<0.01	<0.01	
10/9/2019	0.0021	<0.01	
4/8/2020	<0.01		
4/9/2020		<0.01	
8/18/2020	<0.01		
8/20/2020		<0.01	<0.01
9/29/2020	<0.01		
9/30/2020		<0.01	<0.01
2/9/2021	<0.01		
2/10/2021		<0.01	<0.01
9/8/2021	<0.01		<0.01
9/9/2021		<0.01	
2/2/2022	<0.01		<0.01
2/3/2022		<0.01	
9/2/2022	<0.01	<0.01	<0.01
2/2/2023		<0.01	
2/3/2023	<0.01		
2/7/2023			<0.01
8/9/2023	<0.01		<0.01
8/10/2023		<0.01	
1/25/2024	<0.01	<0.01	<0.01
8/21/2024	<0.01	<0.01	<0.01
2/5/2025	<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		<0.001	<0.001	
8/31/2016	<0.001			<0.001
10/24/2016			<0.001	
10/25/2016	<0.001	<0.001		<0.001
1/23/2017			<0.001	
1/24/2017	<0.001	<0.001		<0.001
4/11/2017	<0.001	<0.001	<0.001	<0.001
6/20/2017	<0.001	<0.001		
6/21/2017			<0.001	<0.001
10/25/2017	<0.001	<0.001	<0.001	<0.001
4/9/2018				<0.001
4/10/2018	<0.001	<0.001	<0.001	
10/16/2018	<0.001	<0.001	<0.001	<0.001
8/19/2019				0.00029 (J)
8/20/2019	0.00018 (J)	0.00012 (J)	0.00019 (J)	
10/8/2019	<0.001	<0.001	<0.001	0.00011 (J)
4/7/2020	<0.001	0.00014 (J)	0.00029 (J)	<0.001
6/25/2020	<0.001	<0.001		<0.001
6/26/2020			0.00013 (J)	
8/18/2020	0.00022 (J)	<0.001	0.00019 (J)	<0.001
9/29/2020	<0.001	<0.001	0.00016 (J)	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001
9/7/2021			0.00043 (J)	<0.001
9/8/2021	<0.001	<0.001		
2/1/2022	<0.001	<0.001	0.00041 (J)	<0.001
8/30/2022		<0.001	0.000509 (J)	
8/31/2022	<0.001			<0.001
2/2/2023			<0.001	
2/3/2023	<0.001	0.000448 (J)		<0.001
8/9/2023	<0.001		0.000325 (J)	<0.001
8/10/2023		<0.001		
1/24/2024	<0.001	<0.001		
1/25/2024			0.000661 (J)	<0.001
8/20/2024	<0.001		0.00079 (J)	
8/21/2024		<0.001		<0.001
2/5/2025	<0.001	<0.001	0.000989 (J)	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	<0.001		<0.001	<0.001
10/25/2016	<0.001		<0.001	
10/26/2016				<0.001
1/23/2017	<0.001			
1/26/2017			<0.001	<0.001
4/11/2017	<0.001			
4/12/2017			<0.001	<0.001
6/20/2017	<0.001			
6/21/2017				<0.001
6/22/2017			<0.001	
10/25/2017	<0.001		<0.001	
10/26/2017				<0.001
4/9/2018	<0.001			
4/10/2018			<0.001	
4/11/2018				<0.001
10/16/2018	<0.001			
10/17/2018			<0.001	<0.001
8/21/2019	0.00022 (J)		8.6E-05 (J)	0.00021 (J)
10/7/2019	<0.001			
10/9/2019			0.00034 (J)	0.00041 (J)
4/6/2020	<0.001			
4/8/2020			<0.001	
4/9/2020				0.00013 (J)
6/23/2020				0.00017 (J)
6/25/2020	<0.001		<0.001	
8/18/2020			<0.001	
8/19/2020	<0.001			
8/20/2020				0.00023 (J)
9/29/2020	<0.001		<0.001	
10/1/2020				0.00021 (J)
12/1/2020		0.0058		
2/9/2021		0.00088 (J)		
2/10/2021			<0.001	0.00015 (J)
2/11/2021	<0.001			
3/29/2021		0.00033 (J)		
9/8/2021	<0.001	0.00019 (J)		
9/9/2021				<0.001
9/10/2021			<0.001	
2/1/2022		<0.001		
2/2/2022	<0.001			0.00032 (J)
2/3/2022			<0.001	
8/31/2022	<0.001	<0.001	<0.001	<0.001
2/2/2023		<0.001	<0.001	<0.001
2/7/2023	<0.001			
8/9/2023		<0.001		
8/10/2023	<0.001		<0.001	<0.001
1/24/2024	<0.001	<0.001		
1/25/2024			<0.001	<0.001
8/20/2024		<0.001		
8/21/2024			<0.001	<0.001
8/22/2024	<0.001			
2/5/2025	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	<0.001			
9/1/2016		<0.001		<0.001
9/2/2016			0.03	
10/25/2016	<0.001	<0.001		<0.001
10/26/2016			0.0036 (J)	
1/26/2017	<0.001		0.011	<0.001
1/27/2017		<0.001		
4/11/2017				<0.001
4/12/2017	<0.001	<0.001	<0.001	
6/21/2017			<0.001	<0.001
6/22/2017	<0.001	<0.001		
10/25/2017	<0.001			
10/26/2017		<0.001	<0.001	<0.001
4/10/2018			0.00045 (J)	<0.001
4/11/2018	<0.001	<0.001		
10/16/2018				<0.001
10/17/2018	<0.001	<0.001	<0.001	
8/20/2019				0.00016 (J)
8/21/2019	<0.001	0.00017 (J)	0.00048 (J)	
10/8/2019			0.00019 (J)	
10/9/2019	0.00021 (J)	0.00019 (J)		0.00026 (J)
4/8/2020		<0.001	0.00026 (J)	<0.001
4/9/2020	0.00015 (J)			
6/23/2020		0.00013 (J)		
6/24/2020				0.00013 (J)
6/25/2020			0.00022 (J)	
6/26/2020	<0.001			
8/19/2020	0.00013 (J)	0.00015 (J)	0.0004 (J)	<0.001
9/29/2020			0.0003 (J)	<0.001
10/1/2020	<0.001	<0.001		
2/9/2021		<0.001	<0.001	<0.001
2/10/2021	<0.001			
9/8/2021			0.004	<0.001
9/9/2021	<0.001			
9/10/2021		<0.001		
2/2/2022	<0.001	<0.001		
2/3/2022			<0.001	<0.001
8/31/2022	<0.001	<0.001	<0.001	<0.001
2/2/2023	<0.001	<0.001		<0.001
2/3/2023			<0.001	
8/9/2023		<0.001		
8/10/2023	<0.001		0.00439	<0.001
1/25/2024	<0.001	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	0.0023	<0.001
2/5/2025	<0.001	<0.001		<0.001
2/13/2025			0.00127	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	0.037	0.0014 (J)	
10/25/2016	0.0144		
10/26/2016		0.0013 (J)	
1/26/2017	0.022		
1/27/2017		0.0021 (J)	
4/11/2017	0.026		
4/12/2017		0.0015 (J)	
6/21/2017	0.027	0.0018 (J)	
10/25/2017		0.0013 (J)	
10/26/2017	0.021		
4/10/2018	0.021		
4/11/2018		0.0014 (J)	
10/17/2018	0.014	0.0012 (J)	
8/21/2019	0.018	0.0012	
10/9/2019	0.017	0.00099	
1/15/2020			0.0064
2/11/2020			0.0042
4/8/2020	0.016		
4/9/2020		0.00091 (J)	
6/24/2020	0.024	0.0012 (J)	0.0049
8/18/2020	0.03		
8/20/2020		0.0015 (J)	0.005
9/29/2020	0.027		
9/30/2020		0.0013 (J)	0.0046
2/9/2021	0.025		
2/10/2021		0.0011 (J)	0.0053
9/8/2021	0.032		0.0048
9/9/2021		0.0016 (J)	
2/2/2022	0.033		0.0042
2/3/2022		0.0013 (J)	
9/2/2022	0.0516	0.00111	0.00411
2/2/2023		0.00109	
2/3/2023	0.0332		
2/7/2023			0.00343
8/9/2023	0.0689		0.00337
8/10/2023		0.0011	
1/25/2024	0.0319	0.00106	0.00251
8/21/2024	0.0256	0.00108	0.00199
2/5/2025	0.0172	0.000995 (J)	0.00204

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		0.505 (U)	1.1	
8/31/2016	0.226 (U)			0.788
10/24/2016			0.808	
10/25/2016	0.273	0.177		0.503
1/23/2017			0.121 (U)	
1/24/2017	0.11 (U)	0.107 (U)		0.369
4/11/2017	0.358 (U)	-0.0587 (U)	0.378 (U)	0.71
6/20/2017	0.265 (U)	0.503		
6/21/2017			0.511	0.124 (U)
10/25/2017	0.5	0.512	0.587	0.981
4/9/2018				0.157 (U)
4/10/2018	0.323	0.262 (U)	0.513	
10/16/2018	0.798	0.989	0.53	0.305 (U)
8/19/2019				0.204 (U)
8/20/2019	0.352 (U)	-0.0925 (U)	0.759	
10/8/2019	0.419 (U)	0.348 (U)	0.76	0.398 (U)
4/7/2020	0.0354 (U)	0.198 (U)	0.622	-0.0414 (U)
8/18/2020	0.132 (U)	1.12	0.587	0.38 (U)
9/29/2020	-0.0479 (U)	-0.146 (U)	0.765	0.403 (U)
2/9/2021	-0.187 (U)	-0.312 (U)	1.16	0.394 (U)
9/7/2021			0.385	0.475
9/8/2021	0.188 (U)	0.558		
2/1/2022	-0.0119 (U)	0.147 (U)	0.615	0.328 (U)
8/30/2022		0.546 (U)	0.804 (U)	
8/31/2022	0.805 (U)			0.596 (U)
2/2/2023			4.25	
2/3/2023	1.51 (U)	2.97		1.27 (U)
8/9/2023	0.426 (U)		1.45	1.43 (U)
8/10/2023		1.63		
1/24/2024	2.24	2.12		
1/25/2024			1.53	0.0289 (U)
8/20/2024	2.88		0.919 (U)	
8/21/2024		2.59		0.623 (U)
2/5/2025	3.61	1.85 (U)	1.96 (U)	1.89 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	0.949 (U)		-0.106 (U)	0.218 (U)
10/25/2016	1.13		0.518	
10/26/2016				0.335
1/23/2017	0.426			
1/26/2017			0.37	0.345 (U)
4/11/2017	0.604			
4/12/2017			0.316 (U)	0.37 (U)
6/20/2017	0.974			
6/21/2017				0.144 (U)
6/22/2017			0.229 (U)	
10/25/2017	0.409 (U)		0.281 (U)	
10/26/2017				0.51
4/9/2018	0.306 (U)			
4/10/2018			0.492	
4/11/2018				0.362
10/16/2018	0.701			
10/17/2018			0.495 (U)	0.385 (U)
8/21/2019	0.0663 (U)		0.0805 (U)	0.125 (U)
10/7/2019	0.447 (U)			
10/9/2019			0.552	-0.164 (U)
4/6/2020	0.286 (U)			
4/8/2020			0.366 (U)	
4/9/2020				0.255 (U)
8/18/2020			0.376 (U)	
8/19/2020	-0.0549 (U)			
8/20/2020				0.14 (U)
9/29/2020	0.134 (U)		0.334 (U)	
10/1/2020				0.512 (U)
12/1/2020		-0.0123 (U)		
2/9/2021		0.0311 (U)		
2/10/2021			0.412	0.384
2/11/2021	0.413 (U)			
3/29/2021		-0.0486 (U)		
9/8/2021	0.188 (U)	0.539		
9/9/2021				0.616
9/10/2021			0.861	
2/1/2022		0.149 (U)		
2/2/2022	0.381 (U)			0.271 (U)
2/3/2022			0.12 (U)	
8/31/2022	0.345 (U)	0.161 (U)	0.804 (U)	0.618 (U)
2/2/2023		0.206 (U)	1.76 (U)	0.844 (U)
2/7/2023	1.51 (U)			
8/9/2023		0.251 (U)		
8/10/2023	0.641 (U)		1.27 (U)	0.68 (U)
1/24/2024	1.34 (U)	2.29		
1/25/2024			0.388 (U)	1.96
8/20/2024		2.87		
8/21/2024			2.53	0.519 (U)
8/22/2024	1.4 (U)			
2/5/2025	1.44 (U)	1.83	3.13	1.09 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	0.279 (U)			
9/1/2016		0.153 (U)		0.568
9/2/2016			2.11	
10/25/2016	0.393	0.328		1.57
10/26/2016			2.45	
1/26/2017	0.0879 (U)		0.276 (U)	0.255 (U)
1/27/2017		-0.0761 (U)		
4/11/2017				0.334 (U)
4/12/2017	0.219 (U)	0.112 (U)	0.387 (U)	
6/21/2017			0.194 (U)	0.518
6/22/2017	0.552	0.414		
10/25/2017	0.388 (U)			
10/26/2017		0.334 (U)	0.519	0.79
4/10/2018			0.604	0.394
4/11/2018	0.322	0.17 (U)		
10/16/2018				0.0598 (U)
10/17/2018	0.327 (U)	0.38 (U)	0.46 (U)	
8/20/2019				0.227 (U)
8/21/2019	0.0554 (U)	0.352 (U)	0.491	
10/8/2019			0.421 (U)	
10/9/2019	-0.238 (U)	-0.38 (U)		-0.0245 (U)
4/8/2020		-0.0401 (U)	0.309 (U)	0.28 (U)
4/9/2020	0.334 (U)			
8/19/2020	0.124 (U)	-0.0271 (U)	0.538	0.306 (U)
9/29/2020			0.394 (U)	-0.0246 (U)
10/1/2020	0.501	0.172 (U)		
2/9/2021		0.163 (U)	0.669	0.46
2/10/2021	0.515			
9/8/2021			1.62	-0.108 (U)
9/9/2021	0.57			
9/10/2021		0.0831 (U)		
2/2/2022	0.73 (U)	0.338 (U)		
2/3/2022			0.609	0.712
8/31/2022	0.0403 (U)	0.5 (U)	0.51 (U)	0.493 (U)
2/2/2023	0.0399 (U)	2.32 (U)		1.31 (U)
2/3/2023			0.376 (U)	
8/9/2023		2.22		
8/10/2023	0.492 (U)		2.75	0.34 (U)
1/25/2024	0.921 (U)	0.699 (U)	2.03	0.505 (U)
8/21/2024	1.25 (U)	1.46 (U)	1.73 (U)	1.48
2/5/2025	1.09 (U)	1.5 (U)		2.69
2/13/2025			2.66	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	-0.081 (U)	0.495 (U)	
10/25/2016	0.675		
10/26/2016		0.606	
1/26/2017	0.18 (U)		
1/27/2017		0.641	
4/11/2017	0.547		
4/12/2017		-0.0936 (U)	
6/21/2017	0.38	0.5	
10/25/2017		0.345 (U)	
10/26/2017	1.48		
4/10/2018	0.39		
4/11/2018		0.331 (U)	
10/17/2018	0.781	0.62	
8/21/2019	-0.0366 (U)	0.693	
10/9/2019	0.118 (U)	0.0684 (U)	
4/8/2020	0.402 (U)		
4/9/2020		0.419 (U)	
8/18/2020	0.423		
8/20/2020		0.191 (U)	0.624 (U)
9/29/2020	0.175 (U)		
9/30/2020		0.0811 (U)	0.532
2/9/2021	0.332 (U)		
2/10/2021		0.568	0.932
9/8/2021	-0.015 (U)		0.528
9/9/2021		0.669	
2/2/2022	0.107 (U)		0.369 (U)
2/3/2022		0.503	
9/2/2022	1.75 (U)	2.67 (U)	0.947 (U)
2/2/2023		2.04	
2/3/2023	0.751 (U)		
2/7/2023			1.16 (U)
8/9/2023	1.05 (U)		2.55
8/10/2023		1.65 (U)	
1/25/2024	1.2 (U)	0.334 (U)	1.05 (U)
8/21/2024	2.51	1.82 (U)	1.6 (U)
2/5/2025	0.39 (U)	1.82 (U)	1.03 (U)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		<0.1	<0.2	
8/31/2016	<0.1			<0.2
10/24/2016			0.1 (J)	
10/25/2016	0.14 (J)	0.09 (J)		0.08 (J)
1/23/2017			<0.2	
1/24/2017	<0.1	<0.1		<0.2
4/11/2017	<0.1	<0.1	<0.2	<0.2
6/20/2017	<0.1	<0.1		
6/21/2017			<0.2	<0.2
10/25/2017	<0.1	<0.1	<0.2	<0.2
4/9/2018				<0.2
4/10/2018	<0.1	<0.1	<0.2	
10/16/2018	0.1 (J)	<0.1	0.1 (J)	<0.2
3/26/2019				<0.2
3/27/2019	0.034 (J)	0.026 (J)	0.031 (J)	
8/19/2019				<0.2
8/20/2019	0.053 (J)	0.047 (J)	0.049 (J)	
10/8/2019	0.056 (J)	0.05 (J)	0.27 (J)	0.033 (J)
4/7/2020	0.098 (J)	0.072 (J)	0.082 (J)	0.086 (J)
6/25/2020	0.06 (J)	0.042 (J)		0.03 (J)
6/26/2020			0.051 (J)	
8/18/2020	<0.1	<0.1	0.041 (J)	<0.2
9/29/2020	0.065 (J)	0.051 (J)	0.06 (J)	0.032 (J)
2/9/2021	0.084 (J)	0.055 (J)	0.07 (J)	0.036 (J)
9/7/2021			0.11	0.075 (J)
9/8/2021	0.1	0.1		
2/1/2022	0.086 (J)	0.059 (J)	0.065 (J)	0.032 (J)
8/30/2022		0.155	0.167	
8/31/2022	0.184			0.135
2/2/2023			0.221	
2/3/2023	0.155	<0.1		<0.2
8/9/2023	0.316		0.271	0.239
8/10/2023		0.128		
1/24/2024	0.146	0.117		
1/25/2024			0.241	0.175
8/20/2024	0.0574 (J)		0.0426 (J)	
8/21/2024		0.0365 (J)		0.0387 (J)
2/5/2025	0.0502 (J)	<0.1	0.0337 (J)	<0.2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	0.12 (J)		<0.1	0.11 (J)
10/25/2016	0.53		0.02 (J)	
10/26/2016				0.43 (O)
1/23/2017	0.4			
1/26/2017			<0.1	0.13 (J)
4/11/2017	0.31			
4/12/2017			<0.1	0.13 (J)
6/20/2017	0.27			
6/21/2017				0.14 (J)
6/22/2017			<0.1	
10/25/2017	0.29		<0.1	
10/26/2017				0.13 (J)
4/9/2018	0.25			
4/10/2018			<0.1	
4/11/2018				0.13 (J)
10/16/2018	0.33			
10/17/2018			<0.1	0.16 (J)
3/27/2019	0.15 (J)			
3/28/2019			<0.1	
3/29/2019				0.089 (J)
8/21/2019	0.35		<0.1	0.12 (J)
10/7/2019	0.12 (J)			
10/9/2019			0.032 (J)	0.085 (J)
4/6/2020	0.28			
4/8/2020			0.062 (J)	
4/9/2020				0.16
6/23/2020				0.12
6/25/2020	0.17		<0.1	
8/18/2020			<0.1	
8/19/2020	0.12			
8/20/2020				0.054 (J)
9/29/2020	0.13		0.027 (J)	
10/1/2020				0.14
12/1/2020		<0.1		
2/9/2021		0.057 (J)		
2/10/2021			0.033 (J)	0.17
2/11/2021	0.25			
3/29/2021		0.039 (J)		
9/8/2021	0.2	0.1		
9/9/2021				0.18
9/10/2021			0.032 (J)	
2/1/2022		0.054 (J)		
2/2/2022	0.19			0.19
2/3/2022			0.074 (J)	
8/31/2022	0.155	0.164	<0.1	0.172
2/2/2023		0.125	<0.1	0.217
2/7/2023	0.275			
8/9/2023		0.0732 (J)		
8/10/2023	0.254		<0.1	0.141
1/24/2024	0.327	0.121		
1/25/2024			0.193	0.295
8/20/2024		0.0399 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/21/2024			<0.1	0.139
8/22/2024	0.21			
2/5/2025	0.238	<0.1	<0.1	0.212

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	<0.1			
9/1/2016		<0.1		<0.2
9/2/2016			0.21	
10/25/2016	0.2 (J)	0.1 (J)		0.08 (J)
10/26/2016			0.21 (J)	
1/26/2017	<0.1		0.097 (J)	<0.2
1/27/2017		<0.1		
4/11/2017				<0.2
4/12/2017	<0.1	<0.1	<0.2	
6/21/2017			<0.2	<0.2
6/22/2017	<0.1	<0.1		
10/25/2017	<0.1			
10/26/2017		<0.1	<0.2	<0.2
4/10/2018			<0.2	<0.2
4/11/2018	<0.1	<0.1		
10/16/2018				<0.2
10/17/2018	<0.1	<0.1	0.1 (J)	
3/27/2019			0.05 (J)	
3/28/2019	<0.1	0.03 (J)		<0.2
8/20/2019				0.033 (J)
8/21/2019	0.03 (J)	0.047 (J)	0.1 (J)	
10/8/2019			0.33 (J)	
10/9/2019	0.038 (J)	0.053 (J)		0.031 (J)
4/8/2020		0.071 (J)	0.12	0.051 (J)
4/9/2020	0.066 (J)			
6/23/2020		0.04 (J)		
6/24/2020				0.038 (J)
6/25/2020			0.067 (J)	
6/26/2020	0.027 (J)			
8/19/2020	<0.1	<0.1	0.081 (J)	<0.2
9/29/2020			0.089 (J)	0.026 (J)
10/1/2020	0.041 (J)	0.048 (J)		
2/9/2021		0.051 (J)	0.094 (J)	0.056 (J)
2/10/2021	0.051 (J)			
9/8/2021			0.15	0.044 (J)
9/9/2021	0.06 (J)			
9/10/2021		0.067 (J)		
2/2/2022	0.043 (J)	0.063 (J)		
2/3/2022			0.068 (J)	0.027 (J)
8/31/2022	0.147	<0.1	0.169	<0.2
2/2/2023	0.182	0.134		<0.2
2/3/2023			0.136	
8/9/2023		0.111		
8/10/2023	0.079 (J)		0.131	0.0335 (J)
1/25/2024	0.222	0.252	0.225	0.153
8/21/2024	0.0405 (J)	0.063 (J)	0.0719 (J)	<0.2
2/5/2025	<0.1	0.0351 (J)		<0.2
2/13/2025			0.0561 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	<0.2	0.083 (J)	
10/25/2016	0.08 (J)		
10/26/2016		0.32 (O)	
1/26/2017	<0.2		
1/27/2017		0.097 (J)	
4/11/2017	<0.2		
4/12/2017		0.088 (J)	
6/21/2017	<0.2	0.096 (J)	
10/25/2017		0.092 (J)	
10/26/2017	<0.2		
4/10/2018	<0.2		
4/11/2018		0.09 (J)	
10/17/2018	<0.2	0.11 (J)	
3/27/2019		0.05 (J)	
3/28/2019	<0.2		
8/21/2019	0.031 (J)	0.079 (J)	
10/9/2019	0.03 (J)	0.068 (J)	
4/8/2020	0.053 (J)		
4/9/2020		0.11	
6/24/2020	<0.2	0.094 (J)	0.041 (J)
8/18/2020	<0.2		
8/20/2020		<0.1	<0.5
9/29/2020	0.029 (J)		
9/30/2020		0.082 (J)	0.028 (J)
2/9/2021	<0.2		
2/10/2021		0.12	0.028 (J)
9/8/2021	0.055 (J)		0.034 (J)
9/9/2021		0.17	
2/2/2022	0.028 (J)		0.055 (J)
2/3/2022		0.078 (J)	
9/2/2022	0.082 (J)	0.141	0.059 (J)
2/2/2023		0.176	
2/3/2023	<0.2		
2/7/2023			0.038 (J)
8/9/2023	0.137		0.23
8/10/2023		0.129	
1/25/2024	<0.2	0.296	0.105
8/21/2024	<0.2	0.0683 (J)	0.0693 (J)
2/5/2025	<0.2	0.086 (J)	<0.5

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
12/16/1997	0.162 (O)	<0.002		
6/30/1998	0.013	<0.002		
12/2/1998	0.01	0.002		
6/8/1999	0.004	<0.002		
12/7/1999	0.004	<0.002		
6/15/2000	0.004	<0.002		
12/12/2000	0.00378	<0.002		
12/5/2001	0.00335	<0.002		
6/26/2002	0.00815	0.00539		
12/3/2002	0.008	<0.002		
6/11/2003	<0.002	<0.002		
12/10/2003	<0.002	<0.002		
6/15/2004	<0.002	<0.002		
12/14/2004	<0.002	0.013 (O)		
6/2/2005	<0.002	<0.002		
12/14/2005	<0.002	<0.002		
4/5/2006		<0.002		
4/6/2006	<0.002			
10/30/2006	<0.002	<0.002		
5/10/2007	<0.002	<0.002		
11/17/2007	<0.002	<0.002		
5/3/2008	<0.002	<0.002		
10/22/2008	<0.002	<0.002		
5/6/2009		<0.002	<0.002	
5/7/2009	<0.002			<0.002
12/1/2009		<0.002		
12/3/2009			<0.002	<0.002
12/4/2009	<0.002			
5/25/2010		<0.002	<0.002	<0.002
6/1/2010	<0.002			
11/9/2010		<0.002	<0.002	
11/10/2010	<0.002			<0.002
5/24/2011		<0.002	<0.002	
5/25/2011	<0.002			<0.002
11/10/2011		<0.002	<0.002	<0.002
11/12/2011	<0.002			
5/18/2012		<0.002	<0.002	
5/30/2012				<0.002
5/31/2012	0.0005 (J)			
11/9/2012		<0.002	<0.002	<0.002
11/11/2012	<0.002			
5/8/2013		<0.002	<0.002	
5/9/2013				<0.002
5/13/2013	<0.002			
11/6/2013		<0.002	<0.002	
11/11/2013				<0.002
11/12/2013	<0.002			
5/20/2014		<0.002	<0.002	
5/21/2014				<0.002
5/29/2014	<0.002			
11/17/2014		<0.002		
11/18/2014			<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
4/7/2015		<0.002		<0.002
4/14/2015	<0.002		<0.002	
10/28/2015		<0.002		<0.002
10/29/2015			<0.002	
11/3/2015	<0.002			
6/23/2016	<0.002	<0.002	<0.002	<0.002
8/30/2016		<0.002	<0.002	
8/31/2016	<0.002			<0.002
10/24/2016			0.0002 (J)	
10/25/2016	<0.002	<0.002		<0.002
1/23/2017			<0.002	
1/24/2017	<0.002	<0.002		<0.002
4/11/2017	<0.002	<0.002	<0.002	<0.002
6/20/2017	<0.002	<0.002		
6/21/2017			<0.002	<0.002
10/25/2017	<0.002	<0.002	<0.002	<0.002
4/9/2018				<0.002
4/10/2018	<0.002	<0.002	<0.002	
10/16/2018	<0.002	<0.002	<0.002	<0.002
3/26/2019				<0.002
3/27/2019	<0.002	<0.002	<0.002	
8/19/2019				<0.002
8/20/2019	0.00014 (J)	0.00014 (J)	<0.002	
10/8/2019	0.001	0.00016 (J)	<0.002	0.00013 (J)
4/7/2020	<0.002	<0.002	<0.002	<0.002
8/18/2020	0.00019 (J)	0.00013 (J)	<0.002	<0.002
9/29/2020	<0.002	<0.002	<0.002	<0.002
2/9/2021	<0.002	<0.002	<0.002	<0.002
9/7/2021			<0.002	<0.002
9/8/2021	<0.002	<0.002		
2/1/2022	<0.002	<0.002	<0.002	<0.002
8/30/2022		<0.002	<0.002	
8/31/2022	<0.002			<0.002
2/2/2023			<0.002	
2/3/2023	<0.002	<0.002		<0.002
8/9/2023	<0.002		<0.002	<0.002
8/10/2023		<0.002		
1/24/2024	<0.002	<0.002		
1/25/2024			<0.002	<0.002
8/20/2024	<0.002		<0.002	
8/21/2024		<0.002		<0.002
2/5/2025	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Lead (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
12/14/2005			<0.002	
4/5/2006			<0.002	
10/30/2006			<0.002	
5/10/2007			0.0032	
11/17/2007			<0.002	
5/2/2008			0.008 (O)	
10/22/2008			<0.002	
5/14/2009			0.00083	<0.002
12/1/2009			<0.002	
12/3/2009				<0.002
5/26/2010			<0.002	<0.002
6/2/2010	<0.002			
11/9/2010				<0.002
11/10/2010	<0.002		<0.002	
5/18/2011				<0.002
5/19/2011	<0.002			
5/25/2011			<0.002	
11/9/2011	<0.002			
11/11/2011			<0.002	<0.002
5/17/2012			<0.002	<0.002
5/30/2012	<0.002			
11/9/2012			<0.002	<0.002
11/11/2012	<0.002			
5/7/2013				<0.002
5/8/2013			<0.002	
5/9/2013	<0.002			
11/5/2013			<0.002	<0.002
11/11/2013	<0.002			
5/21/2014			<0.002	<0.002
5/29/2014	<0.002			
11/17/2014			<0.002	
11/18/2014				<0.002
11/19/2014	<0.002			
4/7/2015			<0.002	<0.002
4/14/2015	<0.002			
10/28/2015			<0.002	<0.002
11/4/2015	<0.002			
6/23/2016	<0.002		<0.002	<0.002
8/31/2016	<0.002		<0.002	<0.002
10/25/2016	<0.002		<0.002	
10/26/2016				<0.002
1/23/2017	0.0013			
1/26/2017			<0.002	<0.002
4/11/2017	<0.002			
4/12/2017			<0.002	<0.002
6/20/2017	<0.002			
6/21/2017				<0.002
6/22/2017			<0.002	
10/25/2017	<0.002		<0.002	
10/26/2017				<0.002
4/9/2018	<0.002			
4/10/2018			<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
4/11/2018				<0.002
10/16/2018	<0.002			
10/17/2018			<0.002	<0.002
3/27/2019	<0.002			
3/28/2019			<0.002	
3/29/2019				<0.002
8/21/2019	0.00019 (J)		<0.002	<0.002
10/7/2019	<0.002			
10/9/2019			<0.002	0.00019 (J)
4/6/2020	<0.002			
4/8/2020			<0.002	
4/9/2020				<0.002
8/18/2020			<0.002	
8/19/2020	<0.002			
8/20/2020				<0.002
9/29/2020	<0.002		<0.002	
10/1/2020				<0.002
12/1/2020		<0.002		
2/9/2021		<0.002		
2/10/2021			<0.002	<0.002
2/11/2021	<0.002			
3/29/2021		<0.002		
9/8/2021	<0.002	<0.002		
9/9/2021				<0.002
9/10/2021			<0.002	
2/1/2022		<0.002		
2/2/2022	<0.002			0.00024 (J)
2/3/2022			<0.002	
8/31/2022	<0.002	<0.002	<0.002	<0.002
2/2/2023		<0.002	<0.002	<0.002
2/7/2023	<0.002			
8/9/2023		<0.002		
8/10/2023	<0.002		<0.002	<0.002
1/24/2024	<0.002	<0.002		
1/25/2024			<0.002	<0.002
8/20/2024		<0.002		
8/21/2024			<0.002	<0.002
8/22/2024	<0.002			
2/5/2025	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/5/2006			<0.002	
5/5/2009			<0.002	
5/12/2009				<0.002
5/13/2009	<0.002	<0.002		
12/3/2009	<0.002	<0.002		
12/4/2009			<0.002	
12/5/2009				<0.002
5/26/2010	<0.002	<0.002		<0.002
6/1/2010			<0.002	
11/9/2010	<0.002	<0.002		<0.002
11/10/2010			<0.002	
5/19/2011	<0.002	<0.002		
5/24/2011				<0.002
5/25/2011			<0.002	
11/9/2011			<0.002	
11/11/2011	<0.002	<0.002		
11/12/2011				<0.002
5/17/2012	<0.002	<0.002		
5/30/2012				<0.002
5/31/2012			0.0008 (J)	
11/9/2012	<0.002	<0.002		<0.002
11/10/2012			<0.002	
5/7/2013	<0.002	<0.002		
5/13/2013			0.025 (O)	<0.002
11/6/2013	<0.002	<0.002		<0.002
11/12/2013			<0.002	
5/20/2014		<0.002		
5/21/2014	<0.002			<0.002
5/28/2014			<0.002	
11/17/2014				<0.002
11/18/2014	<0.002	<0.002		
11/20/2014			<0.002	
4/7/2015	<0.002	<0.002		<0.002
4/14/2015			<0.002	
10/28/2015	<0.002	<0.002		<0.002
11/3/2015			<0.002	
6/23/2016	<0.002	<0.002	<0.002	
6/24/2016				<0.002
8/31/2016	<0.002			
9/1/2016		<0.002		<0.002
9/2/2016			0.0056	
10/25/2016	<0.002	<0.002		<0.002
10/26/2016			0.0003 (J)	
1/26/2017	<0.002		<0.002	<0.002
1/27/2017		<0.002		
4/11/2017				<0.002
4/12/2017	<0.002	<0.002	<0.002	
6/21/2017			<0.002	<0.002
6/22/2017	<0.002	<0.002		
10/25/2017	<0.002			
10/26/2017		<0.002	<0.002	<0.002
4/10/2018			<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/11/2018	<0.002	<0.002		
10/16/2018				<0.002
10/17/2018	<0.002	<0.002	0.0016	
3/27/2019			<0.002	
3/28/2019	<0.002	<0.002		<0.002
8/20/2019				<0.002
8/21/2019	<0.002	<0.002	<0.002	
10/8/2019			<0.002	
10/9/2019	0.00016 (J)	<0.002		<0.002
4/8/2020		0.031	<0.002	<0.002
4/9/2020	<0.002			
5/27/2020		0.00014 (J)		
8/19/2020	<0.002	0.00013 (J)	<0.002	<0.002
9/29/2020			<0.002	<0.002
10/1/2020	<0.002	<0.002		
2/9/2021		<0.002	<0.002	<0.002
2/10/2021	<0.002			
9/8/2021			0.0016	<0.002
9/9/2021	<0.002			
9/10/2021		<0.002		
2/2/2022	<0.002	<0.002		
2/3/2022			<0.002	0.00021 (J)
8/31/2022	<0.002	<0.002	<0.002	<0.002
2/2/2023	<0.002	<0.002		<0.002
2/3/2023			<0.002	
8/9/2023		<0.002		
8/10/2023	<0.002		0.000841 (J)	<0.002
1/25/2024	<0.002	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	0.000948 (J)	<0.002
2/5/2025	<0.002	<0.002		<0.002
2/13/2025			<0.002	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
5/12/2009	<0.002	<0.002	
12/4/2009	<0.002	<0.002	
5/25/2010	<0.002	<0.002	
11/9/2010	<0.002		
11/10/2010		<0.002	
5/19/2011		<0.002	
5/24/2011	<0.002		
11/12/2011	<0.002	<0.002	
5/17/2012		<0.002	
5/30/2012	<0.002		
11/9/2012	<0.002		
11/10/2012		<0.002	
5/7/2013		<0.002	
5/8/2013	<0.002		
11/5/2013		<0.002	
11/6/2013	<0.002		
5/20/2014	<0.002		
5/28/2014		<0.002	
11/17/2014	<0.002		
11/19/2014		<0.002	
4/7/2015	<0.002		
4/15/2015		<0.002	
10/28/2015	<0.002		
10/29/2015		<0.002	
6/24/2016	<0.002	<0.002	
9/1/2016	<0.002	<0.002	
10/25/2016	<0.002		
10/26/2016		0.0002 (J)	
1/26/2017	<0.002		
1/27/2017		<0.002	
4/11/2017	<0.002		
4/12/2017		<0.002	
6/21/2017	<0.002	<0.002	
10/25/2017		<0.002	
10/26/2017	<0.002		
4/10/2018	<0.002		
4/11/2018		<0.002	
10/17/2018	<0.002	<0.002	
3/27/2019		<0.002	
3/28/2019	<0.002		
8/21/2019	<0.002	<0.002	
10/9/2019	<0.002	<0.002	
4/8/2020	<0.002		
4/9/2020		<0.002	
8/18/2020	<0.002		
8/20/2020		0.00028 (J)	<0.002
9/29/2020	<0.002		
9/30/2020		0.0002 (J)	<0.002
2/9/2021	<0.002		
2/10/2021		<0.002	<0.002
9/8/2021	0.00022 (J)		<0.002
9/9/2021		0.00031 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
2/2/2022	<0.002		<0.002
2/3/2022		<0.002	
9/2/2022	<0.002	<0.002	<0.002
2/2/2023		<0.002	
2/3/2023	<0.002		
2/7/2023			<0.002
8/9/2023	<0.002		<0.002
8/10/2023		<0.002	
1/25/2024	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002
2/5/2025	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		<0.01	0.0052	
8/31/2016	<0.01			0.0053
10/24/2016			<0.05 (O)	
10/25/2016	<0.01	<0.01		0.0048 (J)
1/23/2017			0.0039 (J)	
1/24/2017	<0.01	<0.01		0.0032 (J)
4/11/2017	<0.01	<0.01	0.004 (J)	0.0036 (J)
6/20/2017	<0.01	<0.01		
6/21/2017			0.0041 (J)	0.0052
10/25/2017	<0.01	<0.01	0.0056	0.0059
4/9/2018				0.0056
4/10/2018	<0.01	<0.01	0.007	
10/16/2018	0.0017 (J)	<0.01	0.0045 (J)	0.0057
8/19/2019				0.0058
8/20/2019	<0.01	<0.01	0.0053	
10/8/2019	0.0047 (J)	0.0055	0.0078	0.0099
4/7/2020	<0.01	<0.01	0.0036 (J)	0.0036 (J)
6/25/2020	<0.01	<0.01		0.0067
6/26/2020			0.0061	
8/18/2020	<0.01	<0.01	0.0039 (J)	0.0042 (J)
9/29/2020	<0.01	<0.01	0.0048 (J)	0.0052
2/9/2021	<0.01	<0.01	0.0051	0.0054
9/7/2021			0.0042 (J)	0.0059
9/8/2021	<0.01	<0.01		
2/1/2022	<0.01	<0.01	0.0047 (J)	0.0045 (J)
8/30/2022		<0.01	0.00493 (J)	
8/31/2022	<0.01			0.00609 (J)
2/2/2023			0.00499 (J)	
2/3/2023	<0.01	<0.01		0.00436 (J)
8/9/2023	<0.01		0.00479 (J)	0.00536 (J)
8/10/2023		<0.01		
1/24/2024	<0.01	<0.01		
1/25/2024			0.00332 (J)	0.00566 (J)
8/20/2024	<0.01		0.00366 (J)	
8/21/2024		<0.01		0.00639 (J)
2/5/2025	<0.01	<0.01	0.00415 (J)	0.00468 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	0.0053		<0.01	0.0039 (J)
10/25/2016	<0.01		0.0024 (J)	
10/26/2016				0.0025 (J)
1/23/2017	0.0043 (J)			
1/26/2017			0.0033 (J)	0.0035 (J)
4/11/2017	<0.01			
4/12/2017			<0.01	<0.005
6/20/2017	0.0042 (J)			
6/21/2017				<0.005
6/22/2017			<0.01	
10/25/2017	0.0061		0.005	
10/26/2017				0.0041 (J)
4/9/2018	0.0052			
4/10/2018			0.005	
4/11/2018				0.0041 (J)
10/16/2018	0.0052			
10/17/2018			0.0025 (J)	0.0037 (J)
8/21/2019	<0.01		0.0034 (J)	<0.005
10/7/2019	0.007			
10/9/2019			0.0083	0.0077
4/6/2020	<0.01			
4/8/2020			<0.01	
4/9/2020				<0.005
6/23/2020				0.0042 (J)
6/25/2020	0.0071		0.0046 (J)	
8/18/2020			<0.01	
8/19/2020	<0.01			
8/20/2020				<0.005
9/29/2020	0.0044 (J)		<0.01	
10/1/2020				0.0035 (J)
12/1/2020		<0.01		
2/9/2021		<0.01		
2/10/2021			<0.01	<0.005
2/11/2021	<0.01			
3/29/2021		0.0043 (J)		
9/8/2021	<0.01	<0.01		
9/9/2021				0.0037 (J)
9/10/2021			<0.01	
2/1/2022		0.0027 (J)		
2/2/2022	0.0032 (J)			0.0039 (J)
2/3/2022			0.0031 (J)	
8/31/2022	0.00399 (J)	<0.01	0.00308 (J)	0.00345 (J)
2/2/2023		<0.01	<0.01	0.00337 (J)
2/7/2023	0.00426 (J)			
8/9/2023		<0.01		
8/10/2023	<0.01		<0.01	0.00333 (J)
1/24/2024	0.00304 (J)	<0.01		
1/25/2024			<0.01	0.00315 (J)
8/20/2024		<0.01		
8/21/2024			<0.01	0.00349 (J)
8/22/2024	0.00312 (J)			
2/5/2025	0.00365 (J)	0.00317 (J)	0.00372 (J)	0.00367 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	<0.01			
9/1/2016		<0.01		<0.01
9/2/2016			0.0045 (J)	
10/25/2016	<0.01	<0.01		<0.01
10/26/2016			0.0025 (J)	
1/26/2017	<0.01		<0.01	<0.01
1/27/2017		<0.01		
4/11/2017				<0.01
4/12/2017	<0.01	<0.01	<0.01	
6/21/2017			<0.01	<0.01
6/22/2017	<0.01	<0.01		
10/25/2017	<0.01			
10/26/2017		<0.01	<0.01	<0.01
4/10/2018			0.0029 (J)	0.0031 (J)
4/11/2018	<0.01	0.0015 (J)		
10/16/2018				0.0016 (J)
10/17/2018	<0.01	0.0011 (J)	<0.01	
8/20/2019				<0.01
8/21/2019	<0.01	<0.01	<0.01	
10/8/2019			0.004 (J)	
10/9/2019	0.0061	0.0055		0.0076
4/8/2020		<0.01	<0.01	<0.01
4/9/2020	<0.01			
6/23/2020		<0.01		
6/24/2020				<0.01
6/25/2020			0.004 (J)	
6/26/2020	<0.01			
8/19/2020	<0.01	<0.01	<0.01	<0.01
9/29/2020			<0.01	<0.01
10/1/2020	<0.01	<0.01		
2/9/2021		<0.01	<0.01	<0.01
2/10/2021	<0.01			
9/8/2021			<0.01	<0.01
9/9/2021	<0.01			
9/10/2021		<0.01		
2/2/2022	<0.01	0.0012 (J)		
2/3/2022			0.002 (J)	0.002 (J)
8/31/2022	<0.01	<0.01	<0.01	<0.01
2/2/2023	<0.01	<0.01		<0.01
2/3/2023			<0.01	
8/9/2023		<0.01		
8/10/2023	<0.01		<0.01	<0.01
1/25/2024	<0.01	<0.01	<0.01	<0.01
8/21/2024	<0.01	<0.01	<0.01	<0.01
2/5/2025	<0.01	<0.01		<0.01
2/13/2025			0.00369 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	<0.01	0.0033 (J)	
10/25/2016	<0.01		
10/26/2016		0.0037 (J)	
1/26/2017	<0.01		
1/27/2017		0.0048 (J)	
4/11/2017	<0.01		
4/12/2017		0.0039 (J)	
6/21/2017	<0.01	0.0037 (J)	
10/25/2017		0.0047 (J)	
10/26/2017	<0.01		
4/10/2018	0.0023 (J)		
4/11/2018		0.0062	
10/17/2018	0.0014 (J)	0.0049 (J)	
8/21/2019	<0.01	0.0036 (J)	
10/9/2019	0.0071	0.013	
4/8/2020	<0.01		
4/9/2020		<0.005	
6/24/2020	<0.01	0.0047 (J)	0.013
8/18/2020	<0.01		
8/20/2020		<0.005	0.012
9/29/2020	<0.01		
9/30/2020		0.0048 (J)	0.012
2/9/2021	<0.01		
2/10/2021		0.0041 (J)	0.014
9/8/2021	<0.01		0.013
9/9/2021		0.0047 (J)	
2/2/2022	0.0014 (J)		0.014
2/3/2022		0.0046 (J)	
9/2/2022	<0.01	0.0038 (J)	0.0117
2/2/2023		0.00391 (J)	
2/3/2023	<0.01		
2/7/2023			0.0133
8/9/2023	<0.01		0.013
8/10/2023		0.0043 (J)	
1/25/2024	<0.01	0.00385 (J)	0.0136
8/21/2024	<0.01	0.00449 (J)	0.0165
2/5/2025	<0.01	0.0045 (J)	0.0159

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		<0.0002	<0.0002	
8/31/2016	<0.0002			<0.0002
10/24/2016			<0.0002	
10/25/2016	<0.0002	<0.0002		<0.0002
1/23/2017			<0.0002	
1/24/2017	<0.0002	<0.0002		<0.0002
4/11/2017	<0.0002	<0.0002	<0.0002	<0.0002
6/20/2017	<0.0002	<0.0002		
6/21/2017			<0.0002	<0.0002
10/25/2017	<0.0002	<0.0002	<0.0002	<0.0002
4/9/2018				<0.0002
4/10/2018	<0.0002	7E-05 (J)	7.2E-05 (J)	
10/16/2018	<0.0002	<0.0002	<0.0002	<0.0002
8/19/2019				<0.0002
8/20/2019	<0.0002	<0.0002	<0.0002	
4/7/2020	0.00016 (J)	<0.0002	<0.0002	<0.0002
8/18/2020	<0.0002	<0.0002	<0.0002	<0.0002
9/7/2021			<0.0002	<0.0002
9/8/2021	<0.0002	<0.0002		
2/1/2022	<0.0002	<0.0002	<0.0002	<0.0002
8/30/2022		<0.0002	<0.0002	
8/31/2022	<0.0002			<0.0002
2/2/2023			<0.0002	
2/3/2023	<0.0002	<0.0002		<0.0002
8/9/2023	<0.0002		<0.0002	<0.0002
8/10/2023		<0.0002		
1/24/2024	<0.0002	<0.0002		
1/25/2024			<0.0002	<0.0002
8/20/2024	<0.0002		<0.0002	
8/21/2024		<0.0002		<0.0002
2/5/2025	<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	<0.0002		<0.0002	<0.0002
10/25/2016	<0.0002		<0.0002	
10/26/2016				<0.0002
1/23/2017	<0.0002			
1/26/2017			<0.0002	8.1E-05 (J)
4/11/2017	<0.0002			
4/12/2017			<0.0002	<0.0002
6/20/2017	<0.0002			
6/21/2017				<0.0002
6/22/2017			<0.0002	
10/25/2017	<0.0002		<0.0002	
10/26/2017				<0.0002
4/9/2018	<0.0002			
4/10/2018			7E-05 (J)	
4/11/2018				<0.0002
10/16/2018	<0.0002			
10/17/2018			<0.0002	<0.0002
8/21/2019	<0.0002		<0.0002	<0.0002
4/6/2020	<0.0002			
4/8/2020			<0.0002	
4/9/2020				<0.0002
8/18/2020			<0.0002	
8/19/2020	<0.0002			
8/20/2020				<0.0002
12/1/2020		<0.0002		
2/9/2021		<0.0002		
3/29/2021		<0.0002		
9/8/2021	<0.0002	<0.0002		
9/9/2021				<0.0002
9/10/2021			<0.0002	
2/1/2022		<0.0002		
2/2/2022	<0.0002			<0.0002
2/3/2022			<0.0002	
8/31/2022	<0.0002	<0.0002	<0.0002	<0.0002
2/2/2023		<0.0002	<0.0002	<0.0002
2/7/2023	<0.0002			
8/9/2023		<0.0002		
8/10/2023	<0.0002		<0.0002	<0.0002
1/24/2024	<0.0002	<0.0002		
1/25/2024			<0.0002	<0.0002
8/20/2024		<0.0002		
8/21/2024			<0.0002	<0.0002
8/22/2024	<0.0002			
2/5/2025	<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	<0.0002			
9/1/2016		<0.0002		8.8E-05 (J)
9/2/2016			<0.0002	
10/25/2016	<0.0002	<0.0002		<0.0002
10/26/2016			<0.0002	
1/26/2017	<0.0002		<0.0002	7.9E-05 (J)
1/27/2017		7.7E-05 (J)		
4/11/2017				<0.0002
4/12/2017	<0.0002	<0.0002	<0.0002	
6/21/2017			<0.0002	0.00011 (J)
6/22/2017	<0.0002	<0.0002		
10/25/2017	<0.0002			
10/26/2017		<0.0002	<0.0002	9.4E-05 (J)
4/10/2018			7.1E-05 (J)	9.9E-05 (J)
4/11/2018	<0.0002	<0.0002		
10/16/2018				7E-05 (J)
10/17/2018	<0.0002	<0.0002	<0.0002	
8/20/2019				<0.0002
8/21/2019	<0.0002	<0.0002	<0.0002	
4/8/2020		<0.0002	<0.0002	<0.0002
4/9/2020	<0.0002			
8/19/2020	<0.0002	<0.0002	<0.0002	<0.0002
9/8/2021			<0.0002	<0.0002
9/9/2021	<0.0002			
9/10/2021		<0.0002		
2/2/2022	<0.0002	<0.0002		
2/3/2022			<0.0002	<0.0002
8/31/2022	<0.0002	<0.0002	<0.0002	<0.0002
2/2/2023	<0.0002	<0.0002		<0.0002
2/3/2023			<0.0002	
8/9/2023		<0.0002		
8/10/2023	<0.0002		<0.0002	<0.0002
1/25/2024	<0.0002	<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002
2/5/2025	<0.0002	<0.0002		<0.0002
2/13/2025			<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	<0.0002	<0.0002	
10/25/2016	<0.0002		
10/26/2016		<0.0002	
1/26/2017	<0.0002		
1/27/2017		7.4E-05 (J)	
4/11/2017	<0.0002		
4/12/2017		<0.0002	
6/21/2017	<0.0002	<0.0002	
10/25/2017		<0.0002	
10/26/2017	<0.0002		
4/10/2018	<0.0002		
4/11/2018		<0.0002	
10/17/2018	<0.0002	<0.0002	
8/21/2019	<0.0002	<0.0002	
4/8/2020	<0.0002		
4/9/2020		<0.0002	
8/18/2020	<0.0002		
8/20/2020		<0.0002	<0.0002
9/8/2021	<0.0002		<0.0002
9/9/2021		<0.0002	
2/2/2022	<0.0002		<0.0002
2/3/2022		<0.0002	
9/2/2022	<0.0002	<0.0002	<0.0002
2/2/2023		<0.0002	
2/3/2023	<0.0002		
2/7/2023			<0.0002
8/9/2023	<0.0002		<0.0002
8/10/2023		<0.0002	
1/25/2024	<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002
2/5/2025	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		<0.001	<0.015	
8/31/2016	<0.001			<0.001
10/24/2016			<0.015	
10/25/2016	<0.001	<0.001		<0.001
1/23/2017			<0.015	
1/24/2017	<0.001	<0.001		<0.001
4/11/2017	<0.001	<0.001	<0.015	<0.001
6/20/2017	<0.001	<0.001		
6/21/2017			<0.015	<0.001
10/25/2017	0.00093 (J)	<0.001	<0.015	0.0018 (J)
4/9/2018				<0.001
4/10/2018	<0.001	<0.001	<0.015	
10/16/2018	<0.001	<0.001	<0.015	<0.001
8/19/2019				<0.001
8/20/2019	<0.001	<0.001	<0.015	
10/8/2019	<0.001	<0.001	<0.015	<0.001
4/7/2020	<0.001	<0.001	<0.015	<0.001
6/25/2020	<0.001	<0.001		<0.001
6/26/2020			<0.015	
8/18/2020	<0.001	<0.001	<0.015	<0.001
9/29/2020	<0.001	<0.001	<0.015	<0.001
2/9/2021	<0.001	<0.001	<0.015	<0.001
9/7/2021			<0.015	<0.001
9/8/2021	<0.001	<0.001		
2/1/2022	<0.001	<0.001	<0.015	<0.001
8/30/2022		<0.001	0.000274 (J)	
8/31/2022	<0.001			<0.001
2/2/2023			0.000357 (J)	
2/3/2023	0.000393 (J)	0.000302 (J)		<0.001
8/9/2023	<0.001		0.000299 (J)	<0.001
8/10/2023		<0.001		
1/24/2024	0.000236 (J)	<0.001		
1/25/2024			0.000272 (J)	<0.001
8/20/2024	<0.001		0.000249 (J)	
8/21/2024		<0.001		<0.001
2/5/2025	<0.001	<0.001	0.000247 (J)	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	0.004 (J)		<0.001	0.034
10/25/2016	<0.015		<0.001	
10/26/2016				0.0377
1/23/2017	<0.015			
1/26/2017			<0.001	0.04
4/11/2017	<0.015			
4/12/2017			<0.001	0.035
6/20/2017	<0.015			
6/21/2017				0.038
6/22/2017			<0.001	
10/25/2017	<0.015		<0.001	
10/26/2017				0.041
4/9/2018	<0.015			
4/10/2018			<0.001	
4/11/2018				0.037
10/16/2018	<0.015			
10/17/2018			<0.001	0.036
8/21/2019	0.002 (J)		<0.001	0.051
10/7/2019	0.00067 (J)			
10/9/2019			<0.001	0.049
4/6/2020	0.00084 (J)			
4/8/2020			<0.001	
4/9/2020				0.039
6/23/2020				0.043
6/25/2020	<0.015		<0.001	
8/18/2020			<0.001	
8/19/2020	0.00065 (J)			
8/20/2020				0.042
9/29/2020	<0.015		<0.001	
10/1/2020				0.043
12/1/2020		<0.001		
2/9/2021		<0.001		
2/10/2021			<0.001	0.041
2/11/2021	<0.015			
3/29/2021		<0.001		
9/8/2021	<0.015	<0.001		
9/9/2021				0.043
9/10/2021			<0.001	
2/1/2022		<0.001		
2/2/2022	<0.015			0.042
2/3/2022			<0.001	
8/31/2022	0.000862 (J)	<0.001	<0.001	0.0437
2/2/2023		<0.001	<0.001	0.0428
2/7/2023	0.000201 (J)			
8/9/2023		<0.001		
8/10/2023	0.000738 (J)		<0.001	0.0424
1/24/2024	0.000781 (J)	<0.001		
1/25/2024			<0.001	0.0446
8/20/2024		<0.001		
8/21/2024			<0.001	0.0377
8/22/2024	0.000727 (J)			
2/5/2025	0.000611 (J)	<0.001	<0.001	0.0394

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	<0.001			
9/1/2016		<0.001		<0.001
9/2/2016			0.0015 (J)	
10/25/2016	<0.001	<0.001		<0.001
10/26/2016			<0.015	
1/26/2017	<0.001		<0.015	<0.001
1/27/2017		<0.001		
4/11/2017				<0.001
4/12/2017	<0.001	<0.001	<0.015	
6/21/2017			<0.015	<0.001
6/22/2017	<0.001	<0.001		
10/25/2017	<0.001			
10/26/2017		<0.001	<0.015	<0.001
4/10/2018			0.00097 (J)	<0.001
4/11/2018	<0.001	<0.001		
10/16/2018				<0.001
10/17/2018	<0.001	<0.001	<0.015	
8/20/2019				<0.001
8/21/2019	<0.001	<0.001	0.0017 (J)	
10/8/2019			0.0011 (J)	
10/9/2019	<0.001	<0.001		<0.001
4/8/2020		<0.001	0.00075 (J)	<0.001
4/9/2020	<0.001			
6/23/2020		<0.001		
6/24/2020				<0.001
6/25/2020			0.00086 (J)	
6/26/2020	<0.001			
8/19/2020	<0.001	<0.001	0.0016 (J)	<0.001
9/29/2020			0.0019 (J)	<0.001
10/1/2020	<0.001	<0.001		
2/9/2021		<0.001	0.0012 (J)	<0.001
2/10/2021	<0.001			
9/8/2021			0.0017 (J)	<0.001
9/9/2021	<0.001			
9/10/2021		<0.001		
2/2/2022	<0.001	<0.001		
2/3/2022			0.0011 (J)	<0.001
8/31/2022	<0.001	<0.001	0.00179	<0.001
2/2/2023	<0.001	<0.001		<0.001
2/3/2023			0.000959 (J)	
8/9/2023		<0.001		
8/10/2023	<0.001		0.00212	<0.001
1/25/2024	<0.001	<0.001	0.000948 (J)	<0.001
8/21/2024	<0.001	<0.001	0.00192	<0.001
2/5/2025	<0.001	<0.001		<0.001
2/13/2025			0.00105	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	<0.001	<0.001	
10/25/2016	<0.001		
10/26/2016		<0.001	
1/26/2017	<0.001		
1/27/2017		<0.001	
4/11/2017	<0.001		
4/12/2017		<0.001	
6/21/2017	<0.001	<0.001	
10/25/2017		<0.001	
10/26/2017	<0.001		
4/10/2018	<0.001		
4/11/2018		<0.001	
10/17/2018	<0.001	<0.001	
8/21/2019	<0.001	<0.001	
10/9/2019	<0.001	<0.001	
4/8/2020	<0.001		
4/9/2020		<0.001	
6/24/2020	<0.001	<0.001	0.00079 (J)
8/18/2020	<0.001		
8/20/2020		<0.001	<0.001
9/29/2020	<0.001		
9/30/2020		<0.001	0.00073 (J)
2/9/2021	<0.001		
2/10/2021		<0.001	<0.001
9/8/2021	<0.001		<0.001
9/9/2021		<0.001	
2/2/2022	<0.001		<0.001
2/3/2022		<0.001	
9/2/2022	<0.001	<0.001	0.000288 (J)
2/2/2023		0.000288 (J)	
2/3/2023	<0.001		
2/7/2023			0.000328 (J)
8/9/2023	<0.001		<0.001
8/10/2023		<0.001	
1/25/2024	<0.001	<0.001	0.000274 (J)
8/21/2024	<0.001	<0.001	0.000218 (J)
2/5/2025	<0.001	<0.001	0.000201 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
6/23/2016	5.86	5.89	5.99	6.43
8/30/2016		6.07	6.82 (O)	
8/31/2016	6.09			6.67 (O)
10/24/2016			5.99	
10/25/2016	5.92	5.96		5.8
1/23/2017			5.94	
1/24/2017	5.98	5.89		5.82
4/11/2017	5.82	5.78	5.88	5.78
6/20/2017	5.8	5.69		
6/21/2017			5.73	5.67
10/25/2017	5.89	6.11	6.13	5.72
4/9/2018				5.78
4/10/2018	5.85	5.58	5.95	
10/16/2018	6.03	5.86	5.94	5.74
3/26/2019				5.96
3/27/2019	6.1	5.97	6	
8/19/2019				5.59
8/20/2019	5.83	5.8	5.89	
10/8/2019	5.96	5.93	5.93	5.74
4/7/2020	5.9	5.86	5.91	5.84
6/25/2020	5.75	5.87		5.8
6/26/2020			5.94	
8/18/2020	6.47	6.18	6.48	6.15
9/29/2020	6.02	6	5.88	5.75
2/9/2021	5.94	5.88	5.92	5.79
2/11/2021	5.94	5.87		
9/7/2021			5.89	5.71
9/8/2021	5.97	5.93		
2/1/2022	5.93	5.83	5.97	5.86
8/30/2022		5.88	5.88	
8/31/2022	5.96			5.53
2/2/2023			5.86	
2/3/2023	6.07	5.93		5.84
8/9/2023	5.83		6.13	5.94
8/10/2023		5.61		
1/24/2024	6.03	5.81		
1/25/2024			5.85	5.76
8/20/2024	6.05		5.96	
8/21/2024		5.72		5.79
2/5/2025	6.07	5.75	5.88	5.85

Time Series

Constituent: pH, Field (SU) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
6/23/2016	7.44		5.79	6.4
8/31/2016	7.55 (O)		5.98	6.62
10/25/2016	6.92		5.81	
10/26/2016				6.44
1/23/2017	6.76			
1/26/2017			5.73	6.34
4/11/2017	6.72			
4/12/2017			5.65	6.36
6/20/2017	6.66			
6/21/2017				6.28
6/22/2017			5.69	
10/25/2017	6.77		5.99	
10/26/2017				6.47
4/9/2018	6.6			
4/10/2018			5.6	
4/11/2018				6.34
10/16/2018	6.63			
10/17/2018			5.67	6.2
3/26/2019	6.85			
3/27/2019	6.83			
3/28/2019			5.85	
3/29/2019				6.55
8/20/2019	6.74			
8/21/2019	6.94		5.77	6.36
10/7/2019	6.69			
10/9/2019			5.76	6.47
4/6/2020	6.65			
4/8/2020			5.75	
4/9/2020				6.42
6/23/2020				6.37
6/25/2020	6.38		5.75	
8/18/2020	6.24		6.7	
8/19/2020	6.56			
8/20/2020				6.34
9/29/2020	6.8		5.92	
10/1/2020				6.44
12/1/2020		5.85		
2/9/2021	6.67	5.69		
2/10/2021			5.77	6.45
2/11/2021	7.02			
3/29/2021		5.76		
9/7/2021	6.85			
9/8/2021	7.04	5.8		
9/9/2021				6.4
9/10/2021			5.83	
2/1/2022	6.41	5.77		
2/2/2022	6.41			6.43
2/3/2022			5.74	
8/30/2022	6.8			
8/31/2022	6.8	5.65	5.98	6.38
2/2/2023		5.62	5.85	6.53
2/7/2023	6.25			

Time Series

Constituent: pH, Field (SU) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/9/2023		5.7		
8/10/2023	6.43		5.69	6.63
1/24/2024	6.84	5.7		
1/25/2024			5.74	6.51
8/20/2024		5.71		
8/21/2024	6.8		5.74	6.51
2/5/2025	6.77	5.73	5.83	6.47

Time Series

Constituent: pH, Field (SU) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
6/23/2016	5.87	5.96	6.28	
6/24/2016				5.24
8/31/2016	6.1	6.16		
9/1/2016				5.49
9/2/2016			6.54	
10/25/2016	5.92	6.02	6.25	5.29
10/26/2016			6.23	
1/26/2017	5.82		6.4	5.29
1/27/2017		5.98		
4/11/2017				5.21
4/12/2017	5.79	5.87	6.1	
6/21/2017			6.11	5.21
6/22/2017	5.64	5.68		
10/25/2017	5.7			
10/26/2017		6.07	6.2	5.2
4/10/2018			6.17	5.34
4/11/2018	5.69	5.72		
10/16/2018				5.47
10/17/2018	5.81	5.9	6.34	
3/27/2019			6.6	
3/28/2019	5.97	6.05		5.31
8/20/2019				5.35
8/21/2019	5.76	5.82	6.3	
10/8/2019			6.38	
10/9/2019	5.9	5.94		5.22
4/8/2020		5.95	6.26	5.07
4/9/2020	5.9			
5/27/2020		5.98		
6/23/2020		5.95		
6/24/2020				5.2
6/25/2020			6.32	
6/26/2020	5.85			
8/19/2020	7.21	7.06	6.51	5.25
9/29/2020			7.11	5.5
10/1/2020	5.78	5.83		
2/9/2021		5.94	6.43	5.24
2/10/2021	5.91			
2/11/2021	5.95			5.23
9/8/2021			6.48	5.32
9/9/2021	5.91			
9/10/2021		6.01		
2/2/2022	5.95	5.95		
2/3/2022			6.39	5.26
8/31/2022	5.98	5.96	6.46	5.18
2/2/2023	6	5.86		5.18
2/3/2023			6.73	
8/9/2023		5.99		
8/10/2023	6.1		6.36	5.15
1/25/2024	5.96	5.9	6.24	5.22
8/21/2024	5.97	5.96	6.26	5.24
2/5/2025	5.97	5.96		5.18
2/13/2025			6.17	

Time Series

Constituent: pH, Field (SU) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
6/24/2016	5.43	5.99	
9/1/2016	5.52	6.19	
10/25/2016	5.45		
10/26/2016		6.03	
1/26/2017	5.43		
1/27/2017		6.01	
4/11/2017	5.33		
4/12/2017		5.97	
6/21/2017	5.3	5.9	
10/25/2017		5.97	
10/26/2017	5.29		
4/10/2018	5.46		
4/11/2018		5.87	
10/17/2018	5.32	5.9	
3/27/2019		6.06	
3/28/2019	5.36		
8/21/2019	5.07	5.94	
10/9/2019	5.27	6.01	
1/15/2020			6.09
2/11/2020			5.98
4/8/2020	5.02		
4/9/2020		5.98	
6/24/2020	5.11	5.91	5.78
8/18/2020	5.08		
8/20/2020		6.43	5.77
9/29/2020	5.75		
9/30/2020		5.98	5.94
2/9/2021	5.17		
2/10/2021		5.99	5.64
2/11/2021		6.03	
9/8/2021	5.15		5.52
9/9/2021		6.04	
2/2/2022	5.15		6.17
2/3/2022		6	
9/1/2022		5.99	
9/2/2022	5.11	6.03	5.65
2/2/2023		6.12	
2/3/2023	5.22		
2/7/2023			5.64
5/15/2023	5.05		
8/9/2023	4.99		5.62
8/10/2023		6.09	
1/25/2024	5.13	6.08	5.59
8/21/2024	5.15	6	5.62
2/5/2025	5.07	6.04	5.55

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
12/16/1997	<0.005	<0.005		
6/30/1998	<0.005	<0.005		
12/2/1998	<0.005	<0.005		
6/8/1999	<0.005	<0.005		
12/7/1999	<0.005	<0.005		
6/15/2000	<0.005	<0.005		
12/12/2000	<0.005	<0.005		
12/5/2001	<0.005	<0.005		
6/26/2002	<0.005	<0.005		
12/3/2002	<0.005	<0.005		
6/11/2003	<0.005	<0.005		
12/10/2003	<0.005	<0.005		
6/15/2004	<0.005	<0.005		
12/14/2004	<0.005	<0.005		
6/2/2005	<0.005	<0.005		
12/14/2005	<0.005	<0.005		
4/5/2006		<0.005		
4/6/2006	<0.005			
10/30/2006	<0.005	<0.005		
5/10/2007	<0.005	<0.005		
11/17/2007	<0.005	<0.005		
5/3/2008	<0.005	<0.005		
10/22/2008	<0.005	<0.005		
5/6/2009		0.0047	0.0054	
5/7/2009	0.0049			0.0059
12/1/2009		0.0046		
12/3/2009			0.006	0.0057
12/4/2009	<0.005			
5/25/2010		<0.005	<0.005	<0.005
6/1/2010	<0.005			
11/9/2010		<0.005	<0.005	
11/10/2010	<0.005			<0.005
5/24/2011		<0.005	<0.005	
5/25/2011	<0.005			<0.005
11/10/2011		<0.005	<0.005	<0.005
11/12/2011	<0.005			
5/18/2012		<0.005	<0.005	
5/30/2012				<0.005
5/31/2012	<0.005			
11/9/2012		<0.005	<0.005	<0.005
11/11/2012	<0.005			
5/8/2013		<0.005	<0.005	
5/9/2013				<0.005
5/13/2013	<0.005			
11/6/2013		<0.005	<0.005	
11/11/2013				<0.005
11/12/2013	<0.005			
5/20/2014		<0.005	<0.005	
5/21/2014				<0.005
5/29/2014	<0.005			
11/17/2014		<0.005		
11/18/2014			<0.005	0.0083

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
4/7/2015		<0.005		<0.005
4/14/2015	<0.005		<0.005	
10/28/2015		<0.005		0.023
10/29/2015			<0.005	
11/3/2015	<0.005			
6/23/2016	<0.005	<0.005	<0.005	0.0096
8/30/2016		<0.005	<0.005	
8/31/2016	<0.005			0.017
10/24/2016			<0.005	
10/25/2016	<0.005	<0.005		0.0257
1/23/2017			<0.005	
1/24/2017	<0.005	<0.005		0.0097
4/11/2017	<0.005	<0.005	<0.005	0.0079
6/20/2017	<0.005	<0.005		
6/21/2017			0.00025 (J)	0.019
10/25/2017	0.00032 (J)	0.00027 (J)	0.00027 (J)	0.022
4/9/2018				0.0063
4/10/2018	<0.005	<0.005	0.00033 (J)	
10/16/2018	<0.005	<0.005	<0.005	0.021
3/26/2019				0.015
3/27/2019	<0.005	<0.005	<0.005	
8/19/2019				0.034
8/20/2019	<0.005	<0.005	<0.005	
10/8/2019	<0.005	<0.005	<0.005	0.03
4/7/2020	<0.005	<0.005	<0.005	0.0094
8/18/2020	<0.005	<0.005	<0.005	0.019
9/29/2020	<0.005	<0.005	<0.005	0.021
2/9/2021	<0.005	<0.005	<0.005	0.019
9/7/2021			<0.005	0.032
9/8/2021	<0.005	<0.005		
2/1/2022	<0.005	<0.005	<0.005	0.013
8/30/2022		<0.005	<0.005	
8/31/2022	<0.005			0.0259
2/2/2023			<0.005	
2/3/2023	<0.005	<0.005		0.00739
8/9/2023	<0.005		<0.005	0.0279
8/10/2023		<0.005		
1/24/2024	<0.005	<0.005		
1/25/2024			<0.005	0.0173
8/20/2024	<0.005		<0.005	
8/21/2024		<0.005		0.0209
2/5/2025	<0.005	<0.005	<0.005	0.00676

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
12/14/2005			<0.005	
4/5/2006			<0.005	
10/30/2006			<0.005	
5/10/2007			<0.005	
11/17/2007			<0.005	
5/2/2008			<0.005	
10/22/2008			<0.005	
5/14/2009			0.0046	0.0035
12/1/2009			0.0019	
12/3/2009				<0.005
5/26/2010			<0.005	<0.005
6/2/2010	<0.005			
11/9/2010				<0.005
11/10/2010	<0.005		<0.005	
5/18/2011				<0.005
5/19/2011	<0.005			
5/25/2011			<0.005	
11/9/2011	<0.005			
11/11/2011			<0.005	<0.005
5/17/2012			<0.005	<0.005
5/30/2012	<0.005			
11/9/2012			<0.005	<0.005
11/11/2012	<0.005			
5/7/2013				<0.005
5/8/2013			<0.005	
5/9/2013	<0.005			
11/5/2013			<0.005	<0.005
11/11/2013	<0.005			
5/21/2014			<0.005	<0.005
5/29/2014	<0.005			
11/17/2014			<0.005	
11/18/2014				<0.005
11/19/2014	<0.005			
4/7/2015			<0.005	<0.005
4/14/2015	<0.005			
10/28/2015			<0.005	<0.005
11/4/2015	<0.005			
6/23/2016	<0.005		0.00029 (J)	<0.005
8/31/2016	0.00077 (J)		<0.005	<0.005
10/25/2016	<0.005		<0.005	
10/26/2016				<0.005
1/23/2017	0.00037 (J)			
1/26/2017			<0.005	<0.005
4/11/2017	<0.005			
4/12/2017			<0.005	<0.005
6/20/2017	0.00044 (J)			
6/21/2017				<0.005
6/22/2017			<0.005	
10/25/2017	0.00038 (J)		<0.005	
10/26/2017				<0.005
4/9/2018	<0.005			
4/10/2018			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
4/11/2018				<0.005
10/16/2018	<0.005			
10/17/2018			<0.005	<0.005
3/27/2019	<0.005			
3/28/2019			<0.005	
3/29/2019				<0.005
8/21/2019	<0.005		<0.005	<0.005
10/7/2019	<0.005			
10/9/2019			<0.005	<0.005
4/6/2020	<0.005			
4/8/2020			<0.005	
4/9/2020				<0.005
8/18/2020			<0.005	
8/19/2020	<0.005			
8/20/2020				<0.005
9/29/2020	<0.005		<0.005	
10/1/2020				<0.005
12/1/2020		<0.005		
2/9/2021		<0.005		
2/10/2021			<0.005	<0.005
2/11/2021	<0.005			
3/29/2021		<0.005		
9/8/2021	<0.005	<0.005		
9/9/2021				<0.005
9/10/2021			0.0028 (J)	
2/1/2022		<0.005		
2/2/2022	<0.005			<0.005
2/3/2022			<0.005	
8/31/2022	<0.005	<0.005	<0.005	<0.005
2/2/2023		<0.005	<0.005	<0.005
2/7/2023	<0.005			
8/9/2023		<0.005		
8/10/2023	<0.005		<0.005	<0.005
1/24/2024	<0.005	<0.005		
1/25/2024			<0.005	<0.005
8/20/2024		<0.005		
8/21/2024			<0.005	<0.005
8/22/2024	<0.005			
2/5/2025	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/5/2006			<0.005	
5/5/2009			0.0041	
5/12/2009				0.0062
5/13/2009	0.0049	0.005		
12/3/2009	0.0045	0.0057		
12/4/2009			<0.005	
12/5/2009				<0.005
5/26/2010	<0.005	<0.005		<0.005
6/1/2010			<0.005	
11/9/2010	<0.005	<0.005		<0.005
11/10/2010			<0.005	
5/19/2011	<0.005	<0.005		
5/24/2011				<0.005
5/25/2011			<0.005	
11/9/2011			<0.005	
11/11/2011	<0.005	<0.005		
11/12/2011				<0.005
5/17/2012	<0.005	<0.005		
5/30/2012				0.0016 (J)
5/31/2012			<0.005	
11/9/2012	<0.005	<0.005		<0.005
11/10/2012			<0.005	
5/7/2013	<0.005	<0.005		
5/13/2013			<0.005	<0.005
11/6/2013	<0.005	<0.005		<0.005
11/12/2013			<0.005	
5/20/2014		<0.005		
5/21/2014	<0.005			<0.005
5/28/2014			<0.005	
11/17/2014				<0.005
11/18/2014	<0.005	<0.005		
11/20/2014			<0.005	
4/7/2015	<0.005	<0.005		<0.005
4/14/2015			<0.005	
10/28/2015	<0.005	<0.005		<0.005
11/3/2015			<0.005	
6/23/2016	<0.005	<0.005	<0.005	
6/24/2016				0.0014
8/31/2016	0.00024 (J)			
9/1/2016		<0.005		0.0014
9/2/2016			0.0005 (J)	
10/25/2016	<0.005	<0.005		0.0015 (J)
10/26/2016			<0.005	
1/26/2017	<0.005		<0.005	0.00071 (J)
1/27/2017		<0.005		
4/11/2017				0.0011 (J)
4/12/2017	<0.005	<0.005	<0.005	
6/21/2017			<0.005	0.00075 (J)
6/22/2017	<0.005	<0.005		
10/25/2017	0.00029 (J)			
10/26/2017		<0.005	0.0004 (J)	0.0012 (J)
4/10/2018			0.00044 (J)	0.0013

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/11/2018	<0.005	<0.005		
10/16/2018				0.00072 (J)
10/17/2018	<0.005	<0.005	<0.005	
3/27/2019			<0.005	
3/28/2019	<0.005	<0.005		0.0017
8/20/2019				<0.005
8/21/2019	<0.005	<0.005	<0.005	
10/8/2019			<0.005	
10/9/2019	<0.005	<0.005		0.0018 (J)
4/8/2020		<0.005	<0.005	0.0022 (J)
4/9/2020	<0.005			
8/19/2020	<0.005	<0.005	<0.005	0.0029 (J)
9/29/2020			<0.005	0.0025 (J)
10/1/2020	<0.005	<0.005		
2/9/2021		<0.005	<0.005	0.0019 (J)
2/10/2021	<0.005			
9/8/2021			<0.005	0.0024 (J)
9/9/2021	<0.005			
9/10/2021		0.0017 (J)		
2/2/2022	<0.005	<0.005		
2/3/2022			<0.005	0.0032 (J)
8/31/2022	<0.005	<0.005	<0.005	0.00287 (J)
2/2/2023	<0.005	<0.005		0.00466 (J)
2/3/2023			<0.005	
8/9/2023		<0.005		
8/10/2023	<0.005		<0.005	0.00421 (J)
1/25/2024	<0.005	<0.005	<0.005	0.00555
8/21/2024	<0.005	<0.005	<0.005	0.00497 (J)
2/5/2025	<0.005	<0.005		0.00451 (J)
2/13/2025			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
5/12/2009	0.0059	0.0039	
12/4/2009	<0.005	<0.005	
5/25/2010	<0.005	<0.005	
11/9/2010	<0.005		
11/10/2010		<0.005	
5/19/2011		<0.005	
5/24/2011	<0.005		
11/12/2011	<0.005	<0.005	
5/17/2012		0.0006 (J)	
5/30/2012	<0.005		
11/9/2012	<0.005		
11/10/2012		<0.005	
5/7/2013		<0.005	
5/8/2013	<0.005		
11/5/2013		<0.005	
11/6/2013	<0.005		
5/20/2014	<0.005		
5/28/2014		<0.005	
11/17/2014	<0.005		
11/19/2014		<0.005	
4/7/2015	<0.005		
4/15/2015		<0.005	
10/28/2015	<0.005		
10/29/2015		<0.005	
6/24/2016	<0.005	<0.005	
9/1/2016	<0.005	<0.005	
10/25/2016	<0.005		
10/26/2016		<0.005	
1/26/2017	<0.005		
1/27/2017		<0.005	
4/11/2017	<0.005		
4/12/2017		<0.005	
6/21/2017	<0.005	<0.005	
10/25/2017		<0.005	
10/26/2017	<0.005		
4/10/2018	<0.005		
4/11/2018		<0.005	
10/17/2018	<0.005	<0.005	
3/27/2019		<0.005	
3/28/2019	<0.005		
8/21/2019	<0.005	<0.005	
10/9/2019	<0.005	<0.005	
4/8/2020	<0.005		
4/9/2020		<0.005	
8/18/2020	<0.005		
8/20/2020		<0.005	<0.005
9/29/2020	<0.005		
9/30/2020		<0.005	<0.005
2/9/2021	<0.005		
2/10/2021		<0.005	<0.005
9/8/2021	<0.005		<0.005
9/9/2021		<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
2/2/2022	0.00076 (J)		0.0011 (J)
2/3/2022		<0.005	
9/2/2022	<0.005	<0.005	<0.005
2/2/2023		<0.005	
2/3/2023	<0.005		
2/7/2023			<0.005
8/9/2023	0.00231 (J)		<0.005
8/10/2023		<0.005	
1/25/2024	<0.005	<0.005	0.00276 (J)
8/21/2024	<0.005	<0.005	0.00323 (J)
2/5/2025	<0.005	<0.005	0.00257 (J)

Time Series

Constituent: Silver (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
12/16/1997	0.035 (O)	<0.001		
6/30/1998	<0.001	<0.001		
12/2/1998	<0.001	<0.001		
6/8/1999	<0.001	<0.001		
12/7/1999	<0.001	<0.001		
6/15/2000	<0.001	<0.001		
12/12/2000	0.0051	<0.001		
12/5/2001	<0.001	<0.001		
6/26/2002	<0.001	<0.001		
12/3/2002	<0.001	<0.001		
6/11/2003	<0.001	<0.001		
12/10/2003	0.003	0.002 (O)		
6/15/2004	<0.001	<0.001		
12/14/2004	<0.001	<0.001		
6/2/2005	<0.001	<0.001		
12/14/2005	<0.001	<0.001		
4/5/2006		<0.001		
4/6/2006	<0.001			
10/30/2006	<0.001	0.002		
5/10/2007	0.0017	<0.001		
11/17/2007	<0.001	<0.001		
5/3/2008	<0.001	<0.001		
10/22/2008	<0.001	<0.001		
5/6/2009		<0.001	<0.001	
5/7/2009	<0.001			<0.001
12/1/2009		<0.001		
12/3/2009			<0.001	<0.001
12/4/2009	<0.001			
5/25/2010		<0.001	<0.001	<0.001
6/1/2010	<0.001			
11/9/2010		<0.001	<0.001	
11/10/2010	<0.001			<0.001
5/24/2011		<0.001	<0.001	
5/25/2011	<0.001			<0.001
5/18/2012		<0.001	0.0001 (J)	
5/30/2012				<0.001
5/31/2012	<0.001			
11/9/2012		<0.001	<0.001	<0.001
11/11/2012	<0.001			
5/8/2013		<0.001	<0.001	
5/9/2013				<0.001
5/13/2013	<0.001			
11/6/2013		<0.001	<0.001	
11/11/2013				<0.001
11/12/2013	<0.001			
5/20/2014		<0.001	<0.001	
5/21/2014				<0.001
5/29/2014	<0.001			
11/17/2014		<0.001		
11/18/2014			<0.001	<0.001
4/7/2015		<0.001		<0.001
4/14/2015	<0.001		<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
10/28/2015		<0.001		<0.001
10/29/2015			<0.001	
11/3/2015	<0.001			
6/23/2016	<0.001	<0.001	<0.001	<0.001
10/24/2016			<0.001	
10/25/2016	<0.001	<0.001		<0.001
4/11/2017	<0.001	<0.001	<0.001	<0.001
10/25/2017	<0.001	<0.001	<0.001	0.00013 (J)
4/9/2018				<0.001
4/10/2018	<0.001	<0.001	<0.001	
10/16/2018	<0.001	<0.001	<0.001	<0.001
3/26/2019				<0.001
3/27/2019	<0.001	<0.001	<0.001	
10/8/2019	0.00019 (J)	0.0003 (J)	<0.001	0.00047 (J)
4/7/2020	<0.001	<0.001	<0.001	<0.001
9/29/2020	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001
9/7/2021			<0.001	<0.001
9/8/2021	<0.001	<0.001		
2/1/2022	<0.001	<0.001	<0.001	<0.001
8/30/2022		<0.001	<0.001	
8/31/2022	<0.001			<0.001
2/2/2023			<0.001	
2/3/2023	<0.001	<0.001		<0.001
8/9/2023	<0.001		<0.001	<0.001
8/10/2023		<0.001		
1/24/2024	<0.001	<0.001		
1/25/2024			<0.001	<0.001
8/20/2024	<0.001		<0.001	
8/21/2024		<0.001		<0.001
2/5/2025	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
12/14/2005			<0.001	
4/5/2006			<0.001	
10/30/2006			<0.001	
5/10/2007			0.0011	
11/17/2007			<0.001	
5/2/2008			<0.001	
10/22/2008			<0.001	
5/14/2009			<0.001	<0.001
12/1/2009			<0.001	
12/3/2009				<0.001
5/26/2010			<0.001	<0.001
6/2/2010	<0.001			
11/9/2010				<0.001
11/10/2010	<0.001		<0.001	
5/18/2011				<0.001
5/19/2011	<0.001			
5/25/2011			<0.001	
5/17/2012			<0.001	<0.001
5/30/2012	<0.001			
11/9/2012			<0.001	<0.001
11/11/2012	<0.001			
5/7/2013				<0.001
5/8/2013			<0.001	
5/9/2013	<0.001			
11/5/2013			<0.001	<0.001
11/11/2013	<0.001			
5/21/2014			<0.001	<0.001
5/29/2014	<0.001			
11/17/2014			<0.001	
11/18/2014				<0.001
11/19/2014	<0.001			
4/7/2015			<0.001	<0.001
4/14/2015	<0.001			
10/28/2015			<0.001	<0.001
11/4/2015	<0.001			
6/23/2016	<0.001		<0.001	<0.001
10/25/2016	<0.001		<0.001	
10/26/2016				<0.001
4/11/2017	<0.001			
4/12/2017			<0.001	<0.001
10/25/2017	<0.001		<0.001	
10/26/2017				<0.001
4/9/2018	<0.001			
4/10/2018			<0.001	
4/11/2018				<0.001
10/16/2018	<0.001			
10/17/2018			<0.001	<0.001
3/27/2019	<0.001			
3/28/2019			<0.001	
3/29/2019				<0.001
10/7/2019	0.00022 (J)			
10/9/2019			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
4/6/2020	<0.001			
4/8/2020			<0.001	
4/9/2020				<0.001
9/29/2020	<0.001		<0.001	
10/1/2020				<0.001
12/1/2020		<0.001		
2/9/2021		<0.001		
2/10/2021			<0.001	<0.001
2/11/2021	<0.001			
9/8/2021	<0.001	<0.001		
9/9/2021				<0.001
9/10/2021			<0.001	
2/1/2022		<0.001		
2/2/2022	<0.001			<0.001
2/3/2022			<0.001	
8/31/2022	<0.001	<0.001	<0.001	<0.001
2/2/2023		<0.001	<0.001	<0.001
2/7/2023	<0.001			
8/9/2023		<0.001		
8/10/2023	<0.001		<0.001	<0.001
1/24/2024	<0.001	<0.001		
1/25/2024			<0.001	<0.001
8/20/2024		<0.001		
8/21/2024			<0.001	<0.001
8/22/2024	<0.001			
2/5/2025	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/5/2006			<0.001	
5/5/2009			<0.001	
5/12/2009				0.0011
5/13/2009	0.0024 (O)	0.0009		
12/3/2009	0.0007	0.00083		
12/4/2009			0.00098	
12/5/2009				0.0004
5/26/2010	<0.001	<0.001		<0.001
6/1/2010			<0.001	
11/9/2010	<0.001	<0.001		<0.001
11/10/2010			<0.001	
5/19/2011	<0.001	<0.001		
5/24/2011				<0.001
5/25/2011			<0.001	
5/17/2012	<0.001	<0.001		
5/30/2012				<0.001
5/31/2012			<0.001	
11/9/2012	<0.001	<0.001		<0.001
11/10/2012			<0.001	
5/7/2013	<0.001	<0.001		
5/13/2013			<0.001	<0.001
11/6/2013	<0.001	<0.001		<0.001
11/12/2013			<0.001	
5/20/2014		<0.001		
5/21/2014	<0.001			<0.001
5/28/2014			<0.001	
11/17/2014				<0.001
11/18/2014	<0.001	<0.001		
11/20/2014			<0.001	
4/7/2015	<0.001	<0.001		<0.001
4/14/2015			<0.001	
10/28/2015	<0.001	<0.001		<0.001
11/3/2015			<0.001	
6/23/2016	<0.001	<0.001	<0.001	
6/24/2016				<0.001
10/25/2016	<0.001	<0.001		<0.001
10/26/2016			<0.001	
4/11/2017				<0.001
4/12/2017	<0.001	<0.001	<0.001	
10/25/2017	<0.001			
10/26/2017		<0.001	0.00037 (J)	0.00026 (J)
4/10/2018			<0.001	<0.001
4/11/2018	<0.001	<0.001		
10/16/2018				<0.001
10/17/2018	<0.001	<0.001	<0.001	
3/27/2019			<0.001	
3/28/2019	<0.001	<0.001		<0.001
10/8/2019			0.00018 (J)	
10/9/2019	<0.001	<0.001		<0.001
4/8/2020		<0.001	<0.001	<0.001
4/9/2020	<0.001			
9/29/2020			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
10/1/2020	<0.001	<0.001		
2/9/2021		<0.001	<0.001	<0.001
2/10/2021	<0.001			
9/8/2021			<0.001	<0.001
9/9/2021	<0.001			
9/10/2021		<0.001		
2/2/2022	<0.001	<0.001		
2/3/2022			<0.001	<0.001
8/31/2022	<0.001	<0.001	<0.001	<0.001
2/2/2023	<0.001	<0.001		<0.001
2/3/2023			<0.001	
8/9/2023		<0.001		
8/10/2023	<0.001		<0.001	<0.001
1/25/2024	<0.001	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	<0.001	<0.001
2/5/2025	<0.001	<0.001		<0.001
2/13/2025			<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
5/12/2009	0.0011	<0.001	
12/4/2009	0.0014	0.0008	
5/25/2010	<0.001	<0.001	
11/9/2010	<0.001		
11/10/2010		<0.001	
5/19/2011		<0.001	
5/24/2011	<0.001		
5/17/2012		<0.001	
5/30/2012	<0.001		
11/9/2012	<0.001		
11/10/2012		<0.001	
5/7/2013		<0.001	
5/8/2013	<0.001		
11/5/2013		<0.001	
11/6/2013	<0.001		
5/20/2014	<0.001		
5/28/2014		<0.001	
11/17/2014	<0.001		
11/19/2014		<0.001	
4/7/2015	<0.001		
4/15/2015		<0.001	
10/28/2015	<0.001		
10/29/2015		<0.001	
6/24/2016	<0.001	<0.001	
10/25/2016	<0.001		
10/26/2016		<0.001	
4/11/2017	<0.001		
4/12/2017		<0.001	
10/25/2017		<0.001	
10/26/2017	<0.001		
4/10/2018	<0.001		
4/11/2018		<0.001	
10/17/2018	<0.001	<0.001	
3/27/2019		<0.001	
3/28/2019	<0.001		
10/9/2019	<0.001	<0.001	
4/8/2020	<0.001		
4/9/2020		<0.001	
9/29/2020	<0.001		
9/30/2020		<0.001	<0.001
2/9/2021	<0.001		
2/10/2021		<0.001	<0.001
9/8/2021	<0.001		<0.001
9/9/2021		<0.001	
2/2/2022	<0.001		<0.001
2/3/2022		<0.001	
9/2/2022	<0.001	<0.001	<0.001
2/2/2023		<0.001	
2/3/2023	<0.001		
2/7/2023			<0.001
8/9/2023	<0.001		<0.001
8/10/2023		<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
1/25/2024	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	<0.001
2/5/2025	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
12/16/1997	<1	2		
6/30/1998	<1	<1		
12/2/1998	0.654	0.709		
6/8/1999	1.46	<1		
12/7/1999	0.399	0.531		
6/15/2000	0.601	0.733		
12/12/2000	0.45	0.621		
12/5/2001	0.935	0.274		
6/26/2002	4.95	0.505		
12/3/2002	0.911	0.515		
6/11/2003	1.85	0.508		
12/10/2003	0.77	0.578		
6/15/2004	1.3	1.23		
12/14/2004	1.02	1.22		
6/2/2005	0.834	0.908		
12/14/2005	<1	0.825		
4/5/2006		1.06		
4/6/2006	<1			
10/30/2006	0.865	0.996		
5/10/2007	1.03	1.01		
11/17/2007	0.818	1.72		
5/3/2008	0.941	1.2		
10/22/2008	<1	<1		
5/6/2009		0.807	16.6	
5/7/2009	0.46			21.4
12/1/2009		0.644		
12/3/2009			12.3	11.6
12/4/2009	1.06			
5/25/2010		0.509	6.44	12.3
6/1/2010	5.56			
11/9/2010		0.348	6.83	
11/10/2010	0.241			10.6
5/24/2011		0.532	8.55	
5/25/2011	0.383			11.9
11/10/2011		0.209	9.74	100
11/12/2011	<1			
5/18/2012		0.471	8.72	
5/30/2012				61.3
5/31/2012	0.426			
11/9/2012		0.589	5.9	202
11/11/2012	0.455 (J)			
5/8/2013		0.504	5.66	
5/9/2013				33.4
5/13/2013	2.61			
11/6/2013		<1	9.04	
11/11/2013				316
11/12/2013	<1			
5/20/2014		0.325 (J)	7.25	
5/21/2014				162
5/29/2014	1.41			
11/17/2014		<1		
11/18/2014			10	370

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
4/7/2015		0.469 (J)		235
4/14/2015	0.377 (J)		9.61	
10/28/2015		0.28		737
10/29/2015			10.2	
11/3/2015	0.215			
6/23/2016	<1	<1	9.8	380
8/30/2016		<1	9.5	
8/31/2016	<1			600
10/24/2016			11	
10/25/2016	0.3 (J)	0.4 (J)		820
1/23/2017			11	
1/24/2017	<1	<1		370
4/11/2017	<1	<1	9.1	340
6/20/2017	<1	<1		
6/21/2017			10	540
10/25/2017	<1	<1	11	580
4/9/2018				230
4/10/2018	<1	<1	9.5	
10/16/2018	<1	<1	10	520
3/26/2019				430
3/27/2019	0.38 (J)	0.55 (J)	9.1	
10/8/2019	0.7 (J)	0.7 (J)	55	950
4/7/2020	0.67 (J)	<1	8	270
6/25/2020	1.6	<1		410
6/26/2020			9	
9/29/2020	<1	<1	8.3	540
2/9/2021	<1	<1	11	520
9/7/2021			9	870
9/8/2021	<1	<1		
2/1/2022	1.4	0.77 (J)	7.8	360
8/30/2022		0.519	7.11	
8/31/2022	0.399 (J)			855
2/2/2023			6.71	
2/3/2023	0.448	0.5		209
8/9/2023	0.419		6.19	784
8/10/2023		0.581		
1/24/2024	0.371 (J)	0.525		
1/25/2024			7.05	537
8/20/2024	0.406		5.98	
8/21/2024		0.536		741
2/5/2025	0.453	0.614	6	311

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
12/14/2005			133	
4/5/2006			140	
10/30/2006			157	
5/10/2007			111	
11/17/2007			114	
5/2/2008			104	
10/22/2008			129	
5/14/2009			157	109
12/1/2009			142	
12/3/2009				107
5/26/2010			120	109
6/2/2010	129			
11/9/2010				100
11/10/2010	140		100	
5/18/2011				110
5/19/2011	269			
5/25/2011			88.8	
11/9/2011	308			
11/11/2011			96.6	107
5/17/2012			88.9	98
5/30/2012	296			
11/9/2012			70.1	90.4
11/11/2012	225			
5/7/2013				96.2
5/8/2013			80.5	
5/9/2013	268			
11/5/2013			71.6	86.9
11/11/2013	132			
5/21/2014			80.4	106
5/29/2014	216			
11/17/2014			71	
11/18/2014				99
11/19/2014	160			
4/7/2015			70.6	82.3
4/14/2015	105			
10/28/2015			12.2	78
11/4/2015	74.4			
6/23/2016	18		61	78
8/31/2016	19		57	72
10/25/2016	42		56	
10/26/2016				77
1/23/2017	12			
1/26/2017			57	75
4/11/2017	7.1			
4/12/2017			47	69
6/20/2017	8.5			
6/21/2017				73
6/22/2017			49	
10/25/2017	9.1		49	
10/26/2017				72
4/9/2018	11			
4/10/2018			46	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
4/11/2018				69
10/16/2018	14			
10/17/2018			42	67
3/27/2019	15			
3/28/2019			45	
3/29/2019				66
10/7/2019	12			
10/9/2019			42	63
4/6/2020	10			
4/8/2020			39	
4/9/2020				59
6/23/2020				62
6/25/2020	3.3		42	
9/29/2020	4.1		38	
10/1/2020				57
12/1/2020		7.5		
2/9/2021		8.5		
2/10/2021			43	60
2/11/2021	10			
3/29/2021		7.4		
9/8/2021	3	6.8		
9/9/2021				58
9/10/2021			39	
2/1/2022		6.8		
2/2/2022	8.6			59
2/3/2022			21	
8/31/2022	2.58	6.94	36.3	54.1
2/2/2023		6.22	35	53.2
2/7/2023	2.52			
8/9/2023		6.34		
8/10/2023	14.4		34.5	52.3
1/24/2024	8.23	5.18		
1/25/2024			35.2	52.7
8/20/2024		5.37		
8/21/2024			32.1	48.7
8/22/2024	5.41			
2/5/2025	2.25	5.07	46	61.7

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/5/2006			0.982	
5/5/2009			2.89	
5/12/2009				57.9
5/13/2009	0.938	0.984		
12/3/2009	0.422	0.544		
12/4/2009			3.13	
12/5/2009				72.1
5/26/2010	0.262	0.37		70.3
6/1/2010			14.5	
11/9/2010	<0.17	0.299		74.8
11/10/2010			5.04	
5/19/2011	0.359	0.502		
5/24/2011				87.2
5/25/2011			4.57	
11/9/2011			4.15	
11/11/2011	<0.17	0.172		
11/12/2011				97.9
5/17/2012	0.398	0.438		
5/30/2012				103
5/31/2012			4.05	
11/9/2012	0.545	0.537		140
11/10/2012			5.68	
5/7/2013	0.797	0.437		
5/13/2013			2.45	160
11/6/2013	0.86	<1		146
11/12/2013			11.8	
5/20/2014		0.304 (J)		
5/21/2014	1.02			217
5/28/2014			14.6	
11/17/2014				97
11/18/2014	1.2	<1		
11/20/2014			12	
4/7/2015	1.14	0.464 (J)		125
4/14/2015			8.71	
10/28/2015	1.02	0.293		106
11/3/2015			5.14	
6/23/2016	1	<1	6.9	
6/24/2016				170
8/31/2016	1.1			
9/1/2016		<1		130
9/2/2016			6.1	
10/25/2016	4.7 (O)	0.38 (J)		200
10/26/2016			22	
1/26/2017	1.1		5.1	130
1/27/2017		<1		
4/11/2017				150
4/12/2017	0.9 (J)	<1	4	
6/21/2017			4.6	130
6/22/2017	0.99 (J)	<1		
10/25/2017	0.95 (J)			
10/26/2017		<1	5.4	110
4/10/2018			6.7	130

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
4/11/2018	0.9 (J)	<1		
10/16/2018				84
10/17/2018	0.95 (J)	<1	6.8	
3/27/2019			7.2	
3/28/2019	1	0.38 (J)		220
10/8/2019			31	
10/9/2019	1.5	0.59 (J)		210
4/8/2020		<1	5.9	200
4/9/2020	1.1			
6/23/2020		<1		
6/24/2020				310
6/25/2020			5.6	
6/26/2020	0.94 (J)			
9/29/2020			7.7	200
10/1/2020	0.82 (J)	<1		
2/9/2021		1.3	7.1	190
2/10/2021	1.7			
9/8/2021			6.2	160
9/9/2021	1.2			
9/10/2021		<1		
2/2/2022	1.4	<1		
2/3/2022			5.6	250
8/31/2022	1.31	0.494	5.64	243
2/2/2023	1.46	0.529		348
2/3/2023			4.35	
8/9/2023		0.541		
8/10/2023	1.45		6.91	328
1/25/2024	1.49	0.519	4.79	372
8/21/2024	1.42	0.492	4.47	350
2/5/2025	1.47	0.557		405
2/13/2025			4.29	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
5/12/2009	42.6	173	
12/4/2009	58.4	195	
5/25/2010	79.4	199	
11/9/2010	111		
11/10/2010		189	
5/19/2011		186	
5/24/2011	171		
11/12/2011	182	49.9	
5/17/2012		177	
5/30/2012	194		
11/9/2012	842 (O)		
11/10/2012		184	
5/7/2013		195	
5/8/2013	173		
11/5/2013		178	
11/6/2013	471 (O)		
5/20/2014	145		
5/28/2014		201	
11/17/2014	110		
11/19/2014		150	
4/7/2015	145		
4/15/2015		195	
10/28/2015	82.7		
10/29/2015		147	
6/24/2016	79	200	
9/1/2016	94	200	
10/25/2016	73		
10/26/2016		200	
1/26/2017	110		
1/27/2017		200	
4/11/2017	77		
4/12/2017		190	
6/21/2017	75	200	
10/25/2017		190	
10/26/2017	61		
4/10/2018	58		
4/11/2018		200	
10/17/2018	47	190	
3/27/2019		190	
3/28/2019	59		
10/9/2019	57	180	
4/8/2020	47		
4/9/2020		190	
6/24/2020	67	190	860
9/29/2020	66		
9/30/2020		170	790
2/9/2021	73		
2/10/2021		220	1000
9/8/2021	79		1100
9/9/2021		190	
2/2/2022	74		1000
2/3/2022		200	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/2/2022	151	198	1080
2/2/2023		195	
2/3/2023	118		
2/7/2023			1110
8/9/2023	237		1140
8/10/2023		194	
1/25/2024	142	208	1330
8/21/2024	143	199	1310
2/5/2025	118	199	1460

Time Series

Constituent: TDS (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		58	100	
8/31/2016	80			1000
10/24/2016			136	
10/25/2016	65	34		1280
1/23/2017			16	
1/24/2017	70	120		590
4/11/2017	64	76	120	610
6/20/2017	52	36		
6/21/2017			140	880
10/25/2017	72	64	120	900
4/9/2018				440
4/10/2018	86	60	130	
10/16/2018	74	54	150	910
3/26/2019				750
3/27/2019	69	61	110	
10/8/2019	66	68	130	1500
4/7/2020	64	65	120	480
9/29/2020	62	61	130	880
2/9/2021	62	73	140	890
9/7/2021			140	1500
9/8/2021	79	86		
2/1/2022	75	76	130	600
8/30/2022		81	139	
8/31/2022	65			1290
2/2/2023			128	
2/3/2023	63	76		377
8/9/2023	50		110	1240
8/10/2023		105		
1/24/2024	81	107		
1/25/2024			117	815
8/20/2024	80		120	
8/21/2024		127		1250
2/5/2025	63	105	90	512

Time Series

Constituent: TDS (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	330		150	310
10/25/2016	459		171	
10/26/2016				283
1/23/2017	340			
1/26/2017			120	300
4/11/2017	300			
4/12/2017			150	310
6/20/2017	210			
6/21/2017				300
6/22/2017			130	
10/25/2017	280		130	
10/26/2017				270
4/9/2018	280			
4/10/2018			140	
4/11/2018				240
10/16/2018	48			
10/17/2018			180	120
3/27/2019	330			
3/28/2019			130	
3/29/2019				290
10/7/2019	230			
10/9/2019			130	290
4/6/2020	280			
4/8/2020			130	
4/9/2020				270
9/29/2020	210		140	
10/1/2020				270
12/1/2020		120		
2/9/2021		110		
2/10/2021			110	270
2/11/2021	290			
3/29/2021		120		
9/8/2021	170	120		
9/9/2021				270
9/10/2021			130	
2/1/2022		120		
2/2/2022	310			260
2/3/2022			120	
8/31/2022	177	122	101	248
2/2/2023		90	106	249
2/7/2023	144			
8/9/2023		88		
8/10/2023	301		101	234
1/24/2024	304	121		
1/25/2024			97	240
8/20/2024		95		
8/21/2024			119	266
8/22/2024	309			
2/5/2025	133	96	87	214

Time Series

Constituent: TDS (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	74			
9/1/2016		100		240
9/2/2016			150	
10/25/2016	67	65		304
10/26/2016			125	
1/26/2017	84		86	170
1/27/2017		86		
4/11/2017				260
4/12/2017	88	110	140	
6/21/2017			120	230
6/22/2017	76	82		
10/25/2017	60			
10/26/2017		38	96	170
4/10/2018			130	260
4/11/2018	24	50		
10/16/2018				140
10/17/2018	96	120	160	
3/27/2019			150	
3/28/2019	77	82		370
10/8/2019			130	
10/9/2019	75	92		350
4/8/2020		82	130	350
4/9/2020	70			
9/29/2020			130	340
10/1/2020	55	93		
2/9/2021		81	140	310
2/10/2021	71			
9/8/2021			150	280
9/9/2021	70			
9/10/2021		100		
2/2/2022	67	96		
2/3/2022			150	400
8/31/2022	63	69	125	375
2/2/2023	77	84		545
2/3/2023			117	
8/9/2023		72		
8/10/2023	50		142	537
1/25/2024	53	88	129	547
8/21/2024	74	90	168	601
2/5/2025	58	69		637
2/13/2025			114	

Time Series

Constituent: TDS (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	220	450	
10/25/2016	114		
10/26/2016		404	
1/26/2017	170		
1/27/2017		460	
4/11/2017	160		
4/12/2017		430	
6/21/2017	140	430	
10/25/2017		380	
10/26/2017	120		
4/10/2018	110		
4/11/2018		430	
10/17/2018	140	470	
3/27/2019		430	
3/28/2019	120		
10/9/2019	120	420	
4/8/2020	91		
4/9/2020		440	
9/29/2020	140		
9/30/2020		390	1300
2/9/2021	120		
2/10/2021		460	1500
9/8/2021	150		1700
9/9/2021		480	
2/2/2022	150		1600
2/3/2022		450	
9/2/2022	240	444	1610
2/2/2023		446	
2/3/2023	174		
2/7/2023			1690
8/9/2023	360		1820
8/10/2023		444	
1/25/2024	219	446	1920
8/21/2024	235	460	1860
2/5/2025	155	428	2180

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWA-12 (bg)	ARGWA-13 (bg)
8/30/2016		<0.002	<0.002	
8/31/2016	<0.002			<0.002
10/24/2016			<0.002	
10/25/2016	<0.002	<0.002		<0.002
1/23/2017			<0.002	
1/24/2017	<0.002	<0.002		<0.002
4/11/2017	<0.002	<0.002	<0.002	<0.002
6/20/2017	<0.002	<0.002		
6/21/2017			<0.002	<0.002
10/25/2017	<0.002	<0.002	<0.002	<0.002
4/9/2018				<0.002
4/10/2018	<0.002	<0.002	<0.002	
10/16/2018	<0.002	<0.002	<0.002	<0.002
8/19/2019				<0.002
8/20/2019	0.0002 (J)	0.00023 (J)	<0.002	
10/8/2019	<0.002	<0.002	<0.002	<0.002
4/7/2020	<0.002	0.00015 (J)	<0.002	<0.002
8/18/2020	0.00036 (J)	0.00021 (J)	<0.002	<0.002
9/29/2020	<0.002	0.00019 (J)	<0.002	<0.002
2/9/2021	<0.002	<0.002	<0.002	<0.002
9/7/2021			<0.002	<0.002
9/8/2021	<0.002	<0.002		
2/1/2022	<0.002	<0.002	<0.002	<0.002
8/30/2022		<0.002	<0.002	
8/31/2022	<0.002			<0.002
2/2/2023			<0.002	
2/3/2023	<0.002	<0.002		<0.002
8/9/2023	<0.002		<0.002	<0.002
8/10/2023		<0.002		
1/24/2024	<0.002	<0.002		
1/25/2024			<0.002	<0.002
8/20/2024	<0.002		<0.002	
8/21/2024		<0.002		<0.002
2/5/2025	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWA-24 (bg)	ARGWC-7	ARGWC-8
8/31/2016	<0.002		<0.002	<0.002
10/25/2016	<0.002		<0.002	
10/26/2016				<0.002
1/23/2017	<0.002			
1/26/2017			<0.002	<0.002
4/11/2017	<0.002			
4/12/2017			<0.002	<0.002
6/20/2017	<0.002			
6/21/2017				<0.002
6/22/2017			<0.002	
10/25/2017	<0.002		<0.002	
10/26/2017				<0.002
4/9/2018	<0.002			
4/10/2018			<0.002	
4/11/2018				<0.002
10/16/2018	<0.002			
10/17/2018			<0.002	<0.002
8/21/2019	<0.002		<0.002	<0.002
10/7/2019	<0.002			
10/9/2019			<0.002	<0.002
4/6/2020	<0.002			
4/8/2020			<0.002	
4/9/2020				<0.002
8/18/2020			<0.002	
8/19/2020	<0.002			
8/20/2020				<0.002
9/29/2020	0.00019 (J)		<0.002	
10/1/2020				<0.002
12/1/2020		<0.002		
2/9/2021		<0.002		
2/10/2021			<0.002	<0.002
2/11/2021	<0.002			
3/29/2021		<0.002		
9/8/2021	<0.002	<0.002		
9/9/2021				<0.002
9/10/2021			<0.002	
2/1/2022		<0.002		
2/2/2022	<0.002			<0.002
2/3/2022			<0.002	
8/31/2022	<0.002	<0.002	<0.002	<0.002
2/2/2023		<0.002	<0.002	<0.002
2/7/2023	<0.002			
8/9/2023		<0.002		
8/10/2023	<0.002		<0.002	<0.002
1/24/2024	<0.002	<0.002		
1/25/2024			<0.002	<0.002
8/20/2024		<0.002		
8/21/2024			<0.002	<0.002
8/22/2024	<0.002			
2/5/2025	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16
8/31/2016	<0.002			
9/1/2016		<0.002		<0.002
9/2/2016			9.5E-05 (J)	
10/25/2016	<0.002	<0.002		<0.002
10/26/2016			<0.002	
1/26/2017	<0.002		<0.002	<0.002
1/27/2017		<0.002		
4/11/2017				<0.002
4/12/2017	<0.002	<0.002	<0.002	
6/21/2017			<0.002	<0.002
6/22/2017	<0.002	<0.002		
10/25/2017	<0.002			
10/26/2017		<0.002	<0.002	<0.002
4/10/2018			<0.002	<0.002
4/11/2018	<0.002	<0.002		
10/16/2018				<0.002
10/17/2018	<0.002	<0.002	<0.002	
8/20/2019				<0.002
8/21/2019	<0.002	<0.002	<0.002	
10/8/2019			<0.002	
10/9/2019	<0.002	<0.002		<0.002
4/8/2020		<0.002	<0.002	<0.002
4/9/2020	<0.002			
8/19/2020	<0.002	<0.002	<0.002	0.00027 (J)
9/29/2020			<0.002	0.00025 (J)
10/1/2020	<0.002	<0.002		
2/9/2021		<0.002	<0.002	<0.002
2/10/2021	<0.002			
9/8/2021			<0.002	0.00025 (J)
9/9/2021	<0.002			
9/10/2021		<0.002		
2/2/2022	<0.002	<0.002		
2/3/2022			<0.002	<0.002
8/31/2022	<0.002	<0.002	<0.002	<0.002
2/2/2023	<0.002	<0.002		<0.002
2/3/2023			<0.002	
8/9/2023		<0.002		
8/10/2023	<0.002		<0.002	<0.002
1/25/2024	<0.002	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002
2/5/2025	<0.002	<0.002		<0.002
2/13/2025			<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/21/2025 9:17 AM View: Descriptive

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016	<0.002	<0.002	
10/25/2016	<0.002		
10/26/2016		<0.002	
1/26/2017	<0.002		
1/27/2017		<0.002	
4/11/2017	<0.002		
4/12/2017		<0.002	
6/21/2017	<0.002	<0.002	
10/25/2017		<0.002	
10/26/2017	<0.002		
4/10/2018	<0.002		
4/11/2018		<0.002	
10/17/2018	<0.002	<0.002	
8/21/2019	<0.002	<0.002	
10/9/2019	<0.002	<0.002	
4/8/2020	<0.002		
4/9/2020		<0.002	
8/18/2020	<0.002		
8/20/2020		<0.002	0.00022 (J)
9/29/2020	<0.002		
9/30/2020		<0.002	<0.002
2/9/2021	<0.002		
2/10/2021		<0.002	<0.002
9/8/2021	0.00063 (J)		<0.002
9/9/2021		0.00028 (J)	
2/2/2022	<0.002		<0.002
2/3/2022		<0.002	
9/2/2022	<0.002	<0.002	<0.002
2/2/2023		<0.002	
2/3/2023	<0.002		
2/7/2023			<0.002
8/9/2023	<0.002		<0.002
8/10/2023		<0.002	
1/25/2024	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002
2/5/2025	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

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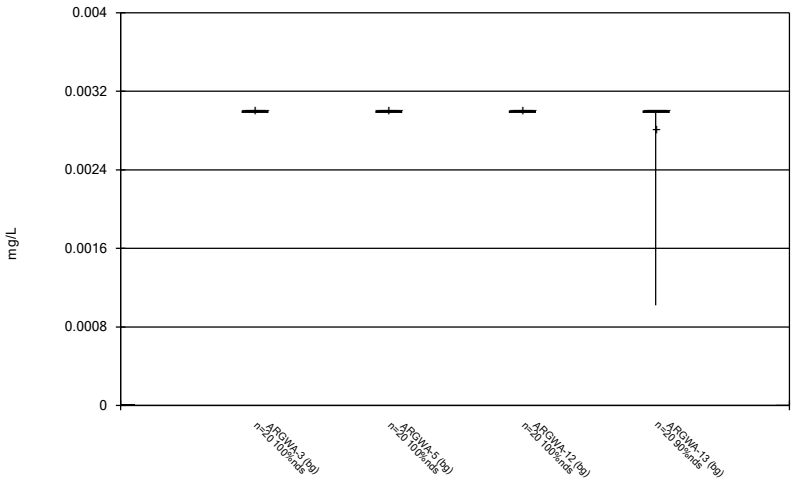
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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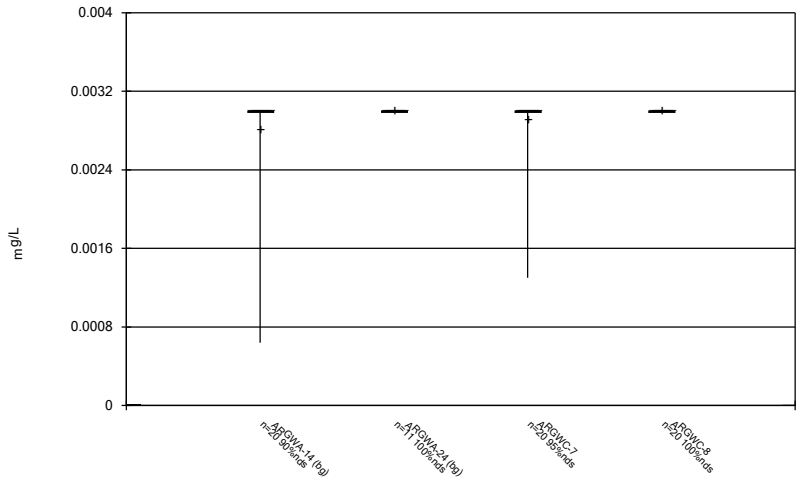
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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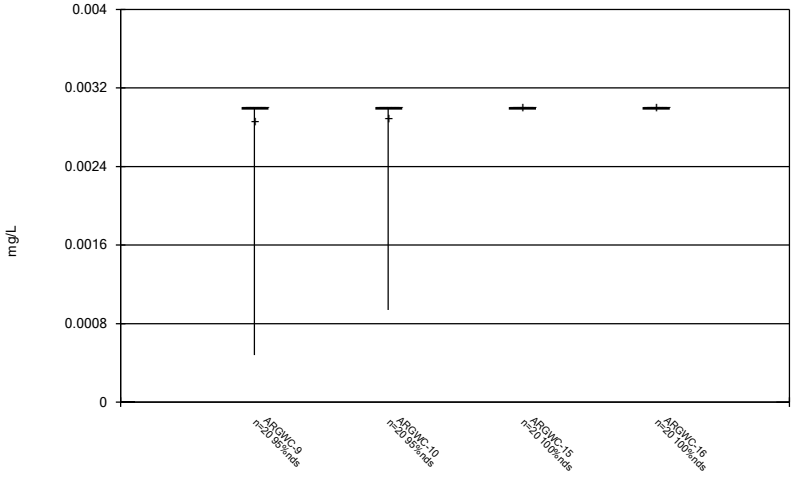
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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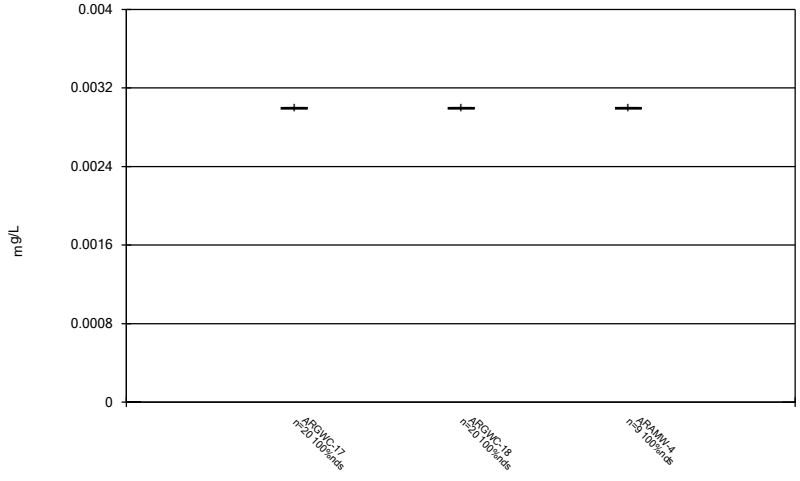
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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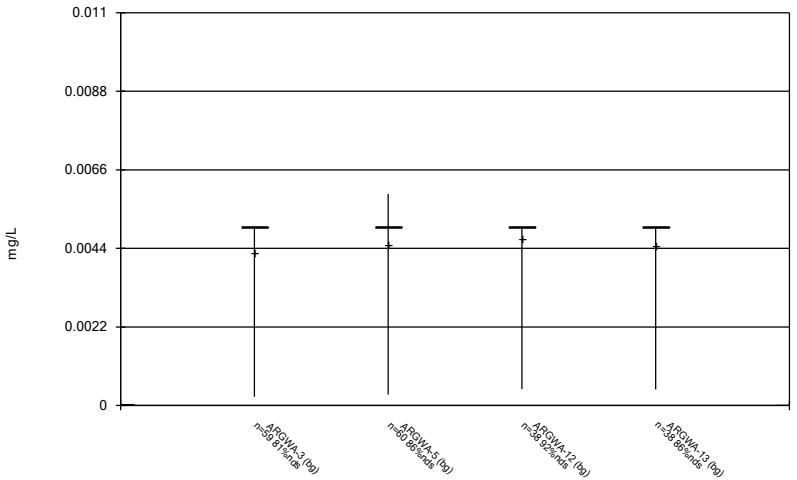
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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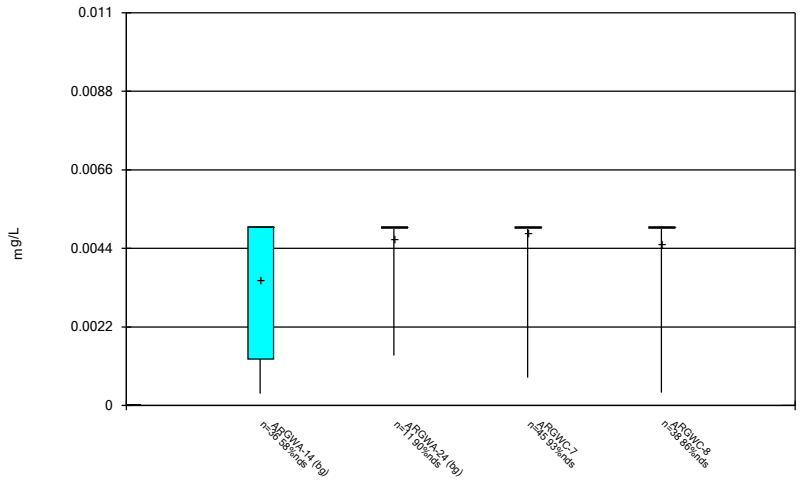
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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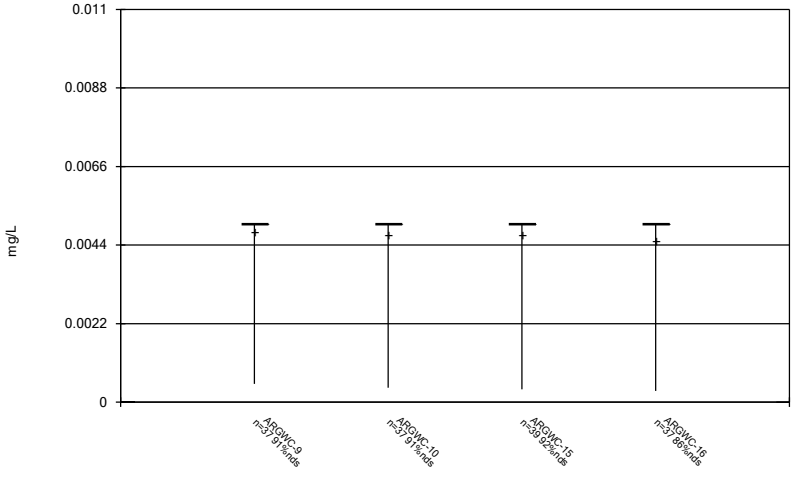
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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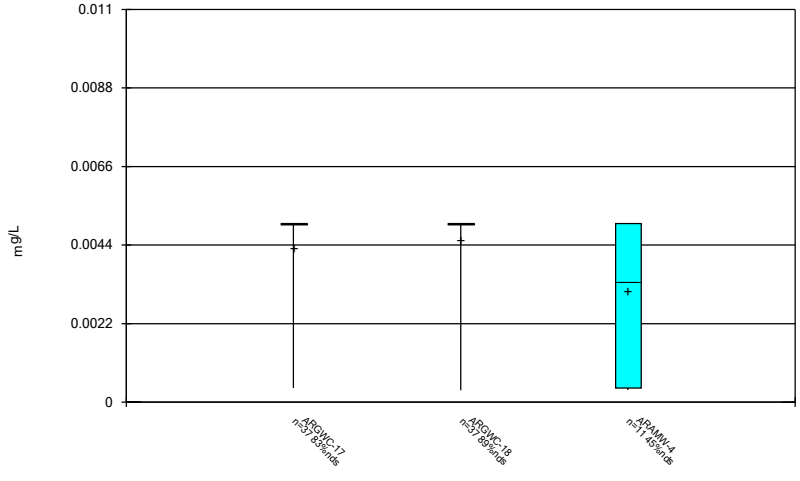
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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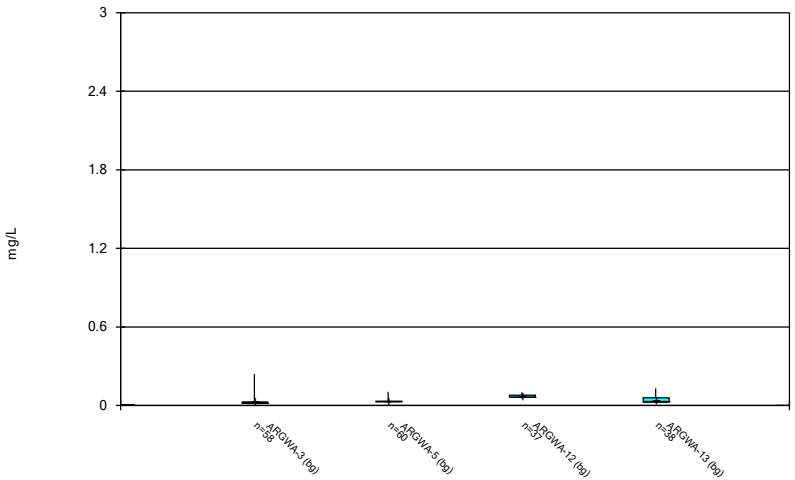
Box & Whiskers Plot



Constituent: Barium Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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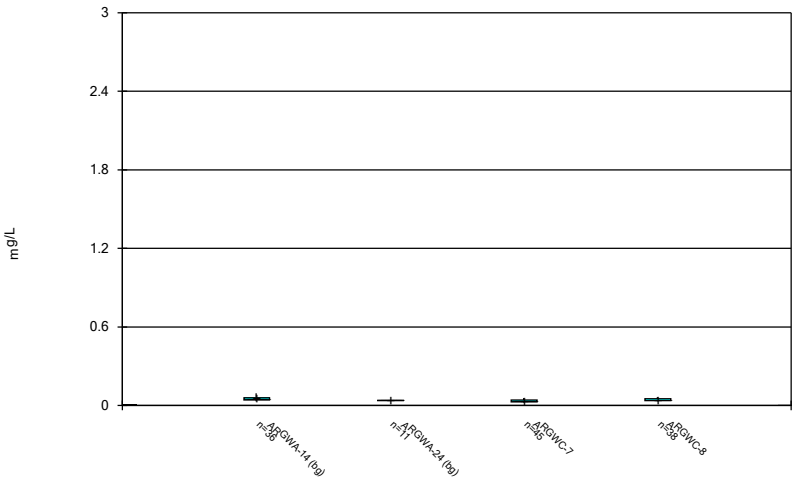
Box & Whiskers Plot



Constituent: Barium Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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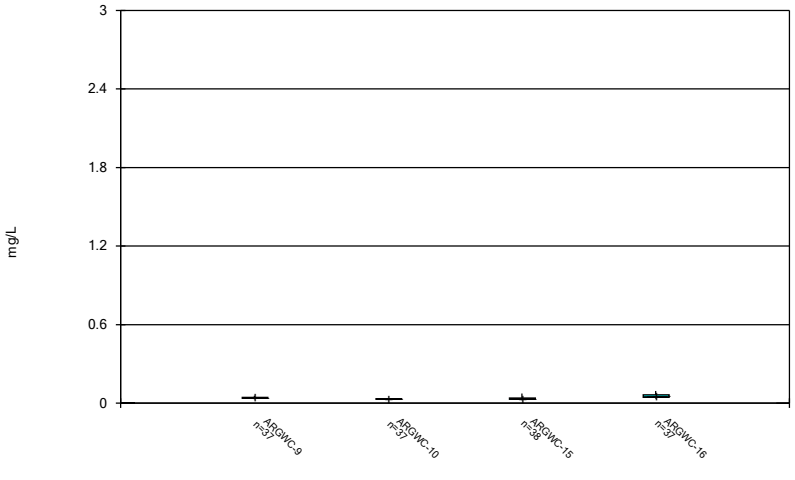
Box & Whiskers Plot



Constituent: Barium Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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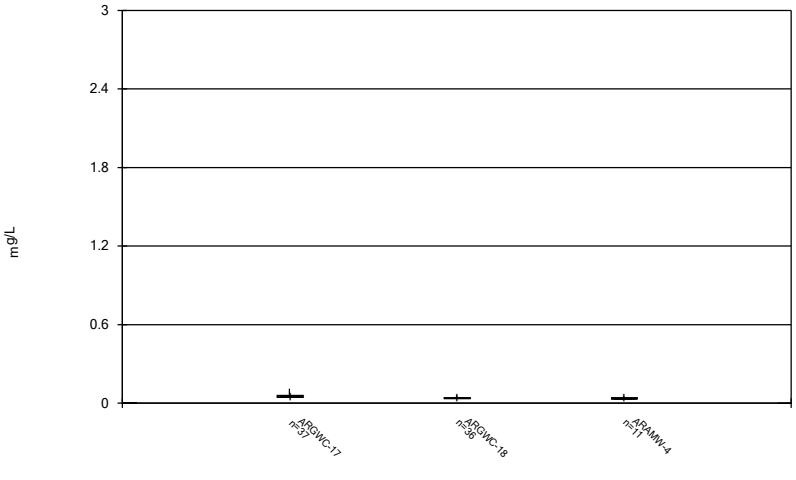
Box & Whiskers Plot



Constituent: Barium Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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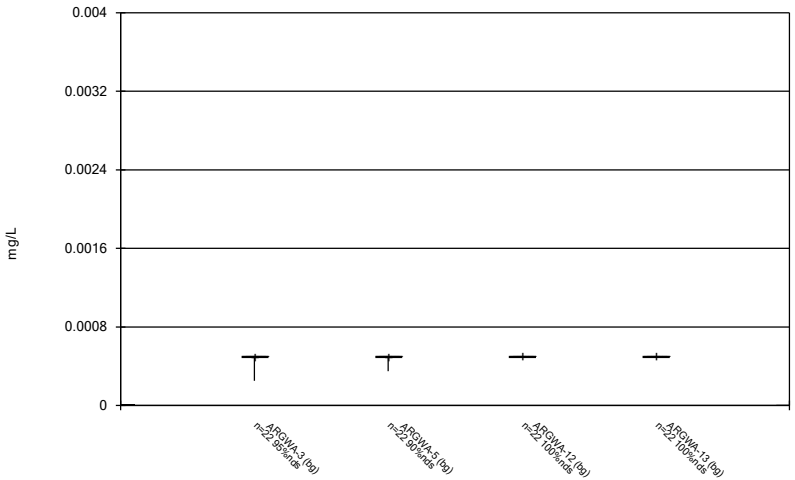
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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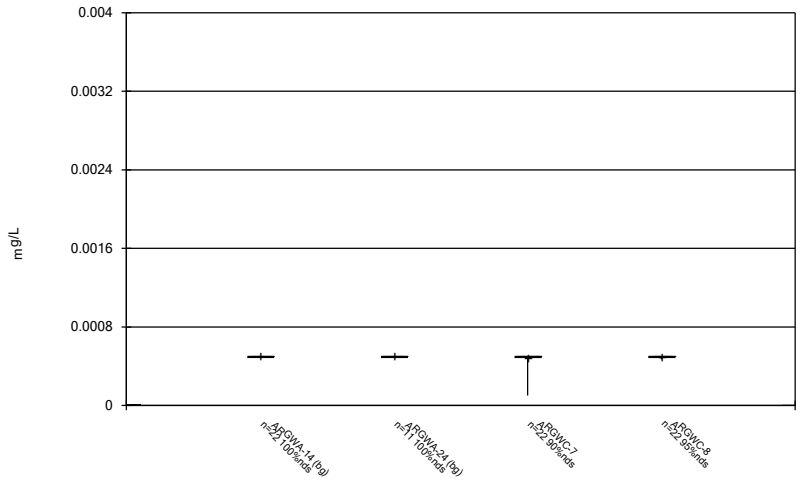
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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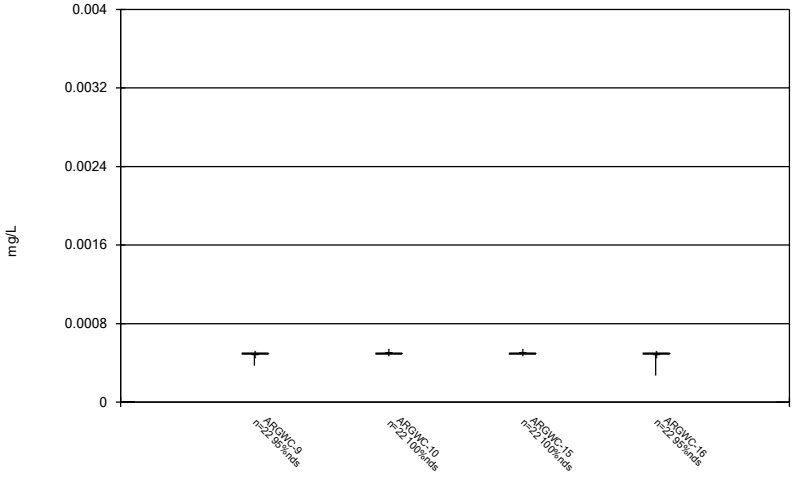
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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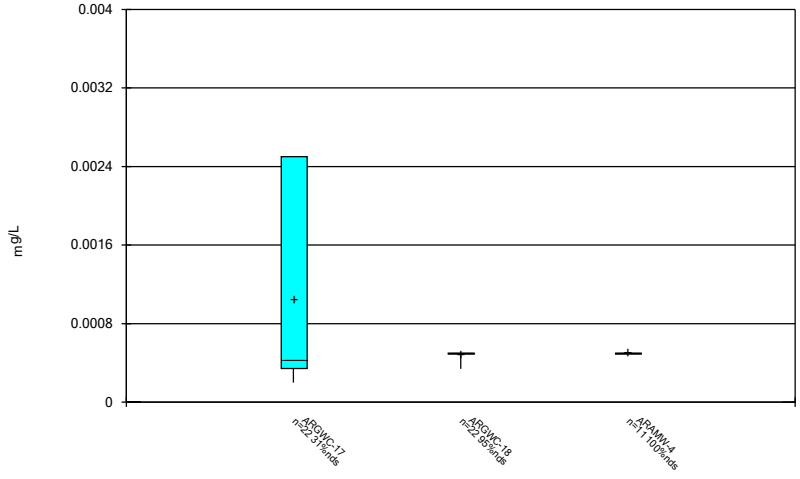
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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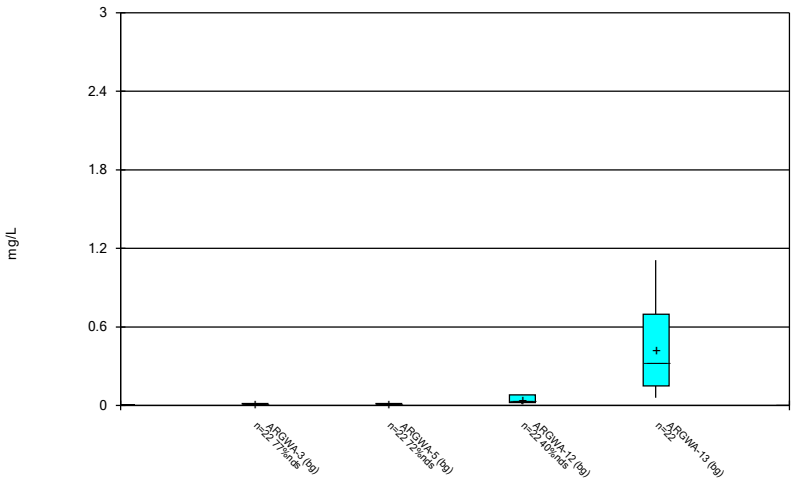
Box & Whiskers Plot



Constituent: Boron Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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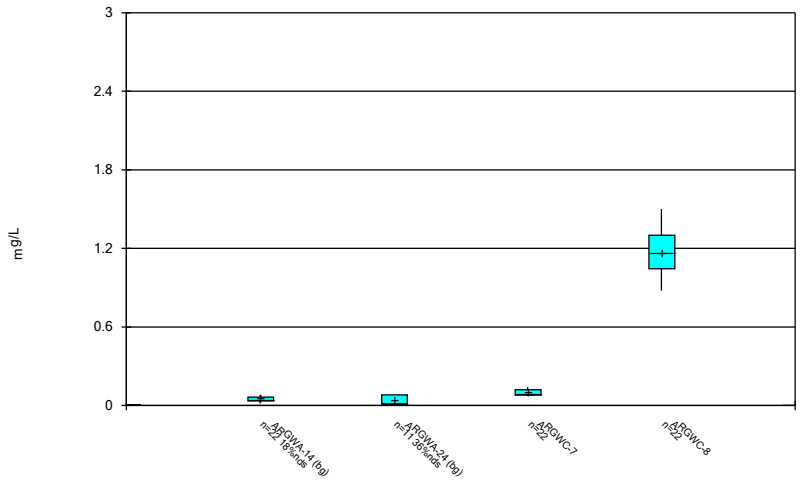
Box & Whiskers Plot



Constituent: Boron Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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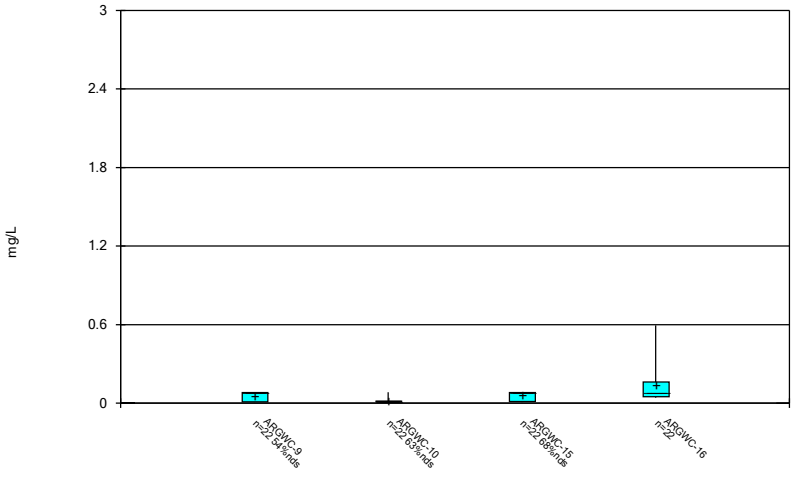
Box & Whiskers Plot



Constituent: Boron Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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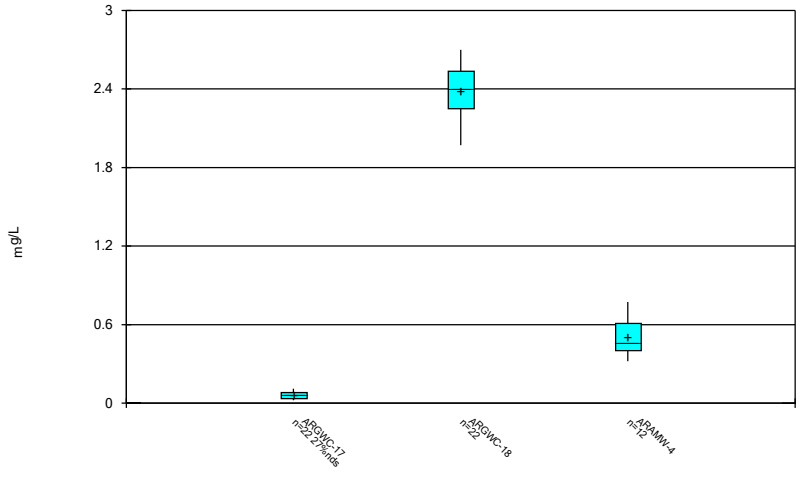
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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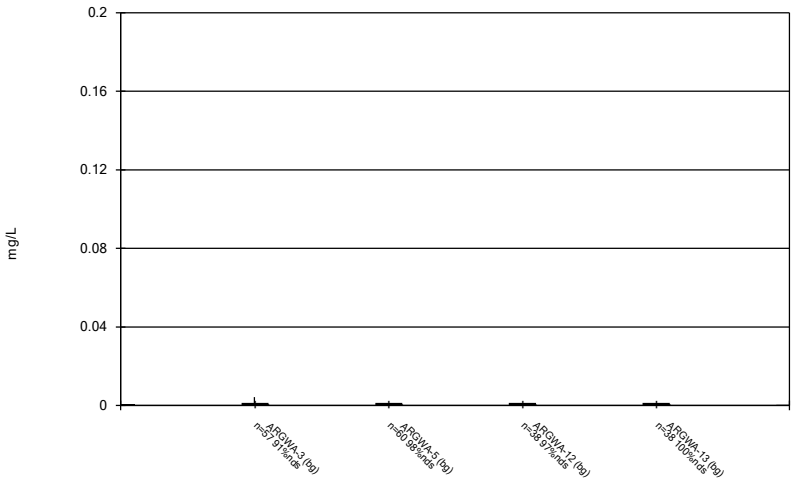
Box & Whiskers Plot



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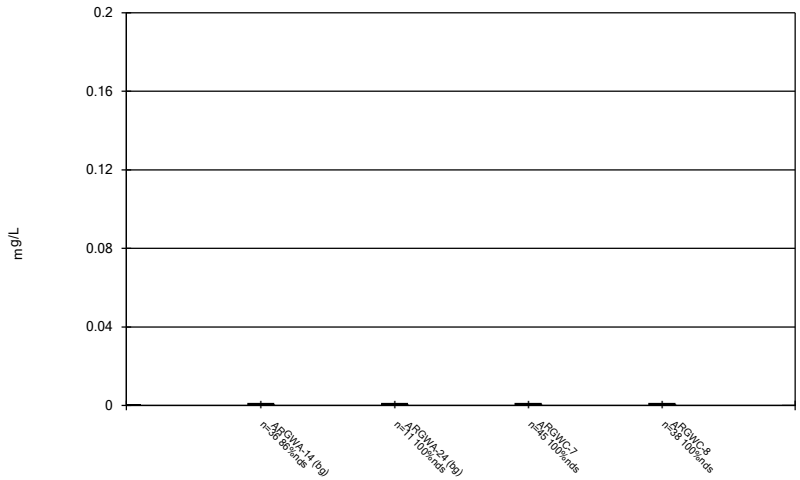
Box & Whiskers Plot



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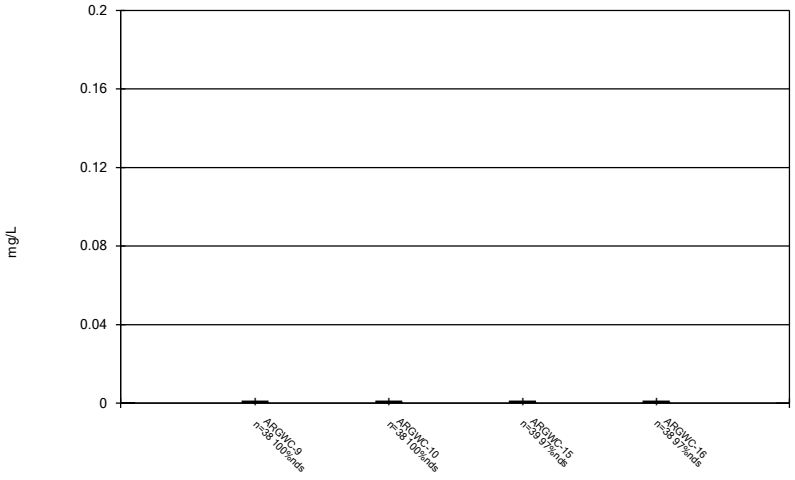
Box & Whiskers Plot



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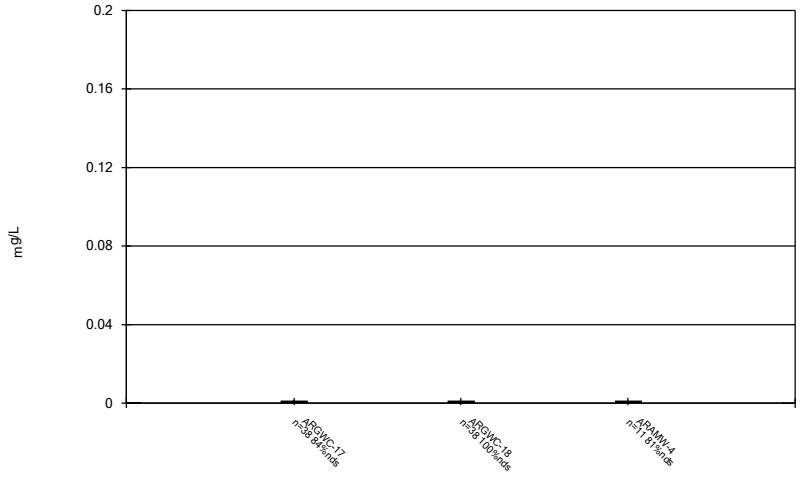
Box & Whiskers Plot



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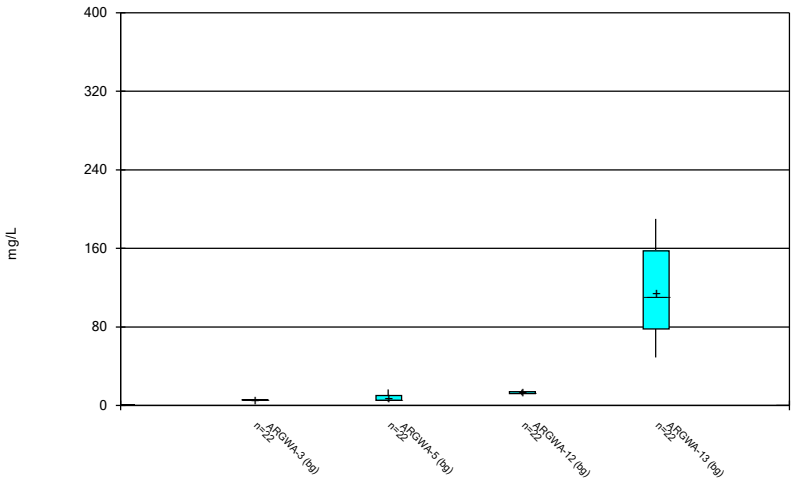
Box & Whiskers Plot



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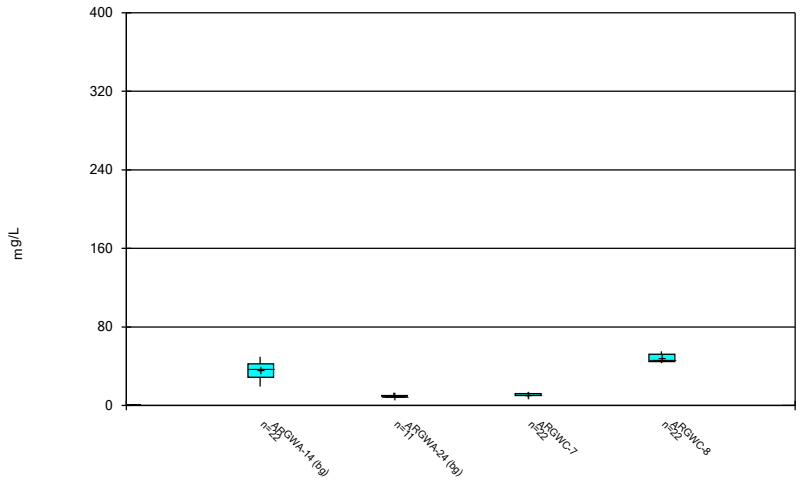
Box & Whiskers Plot



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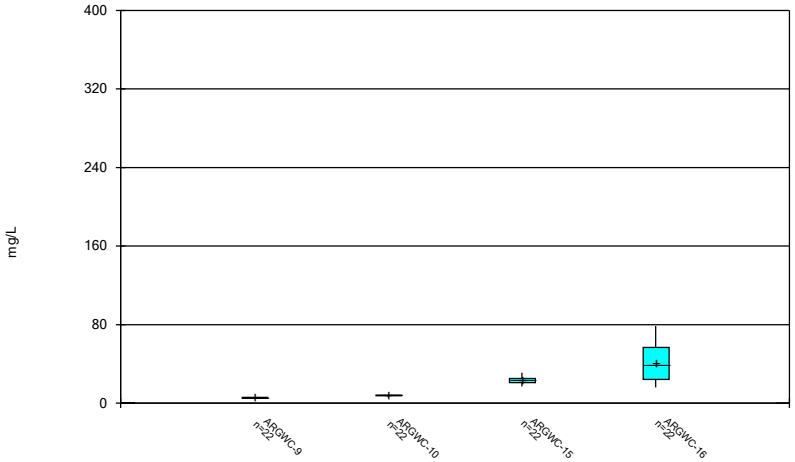
Box & Whiskers Plot



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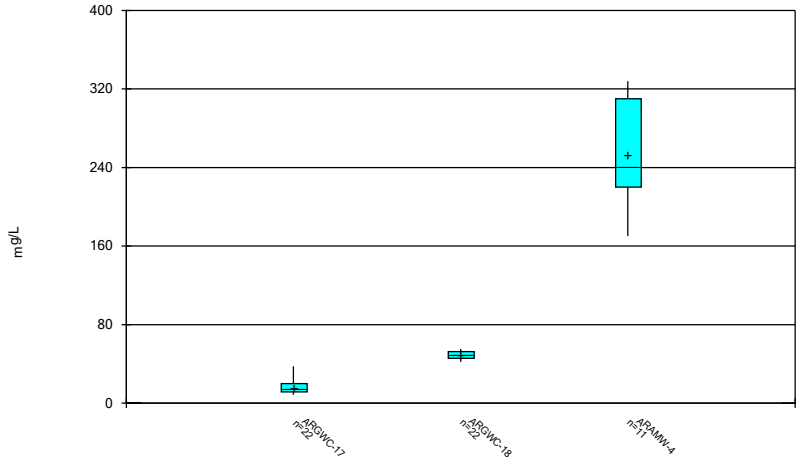

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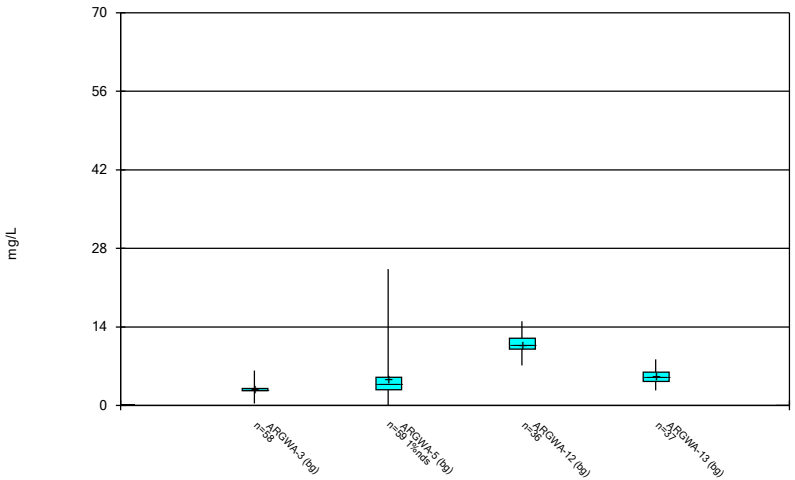
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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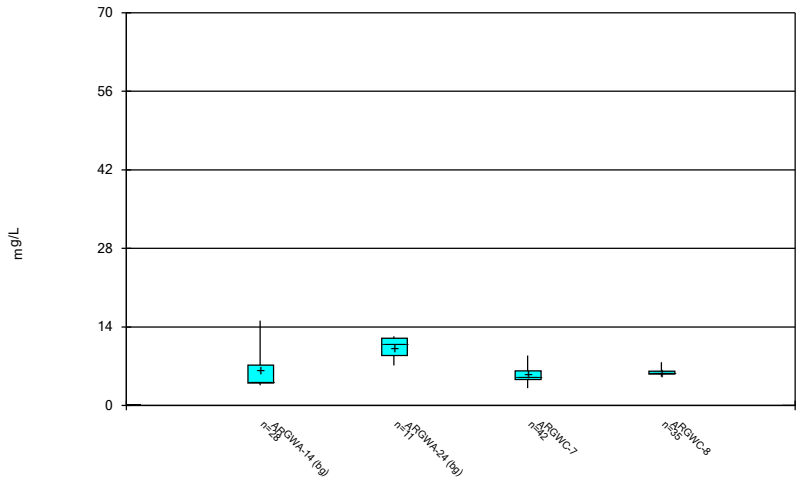
Box & Whiskers Plot



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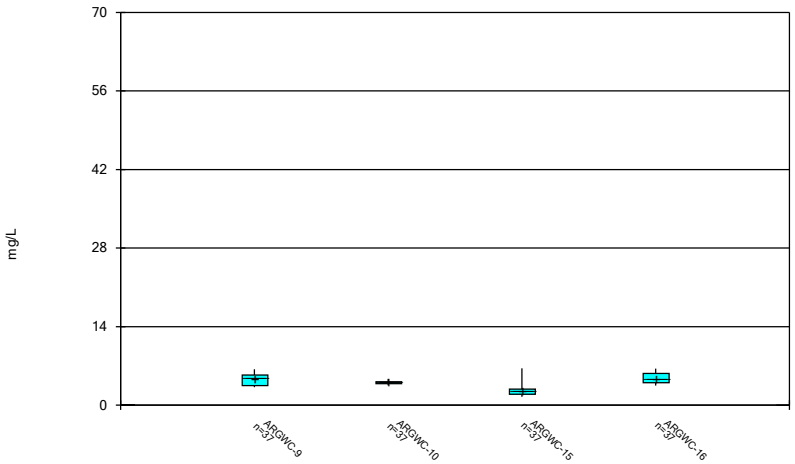
Box & Whiskers Plot



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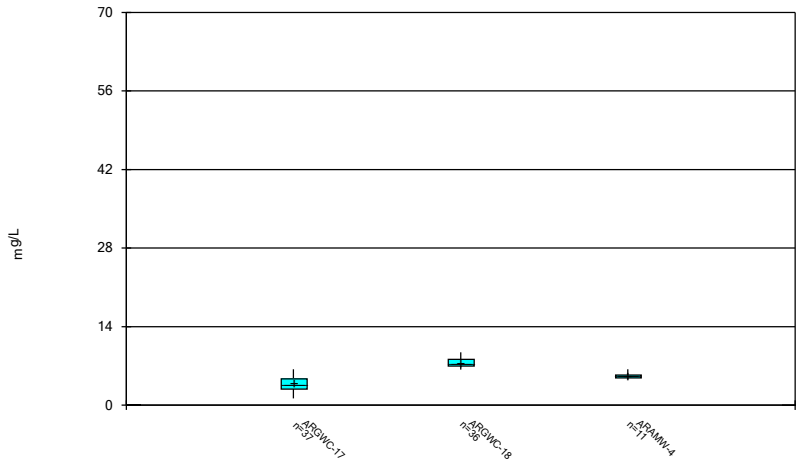

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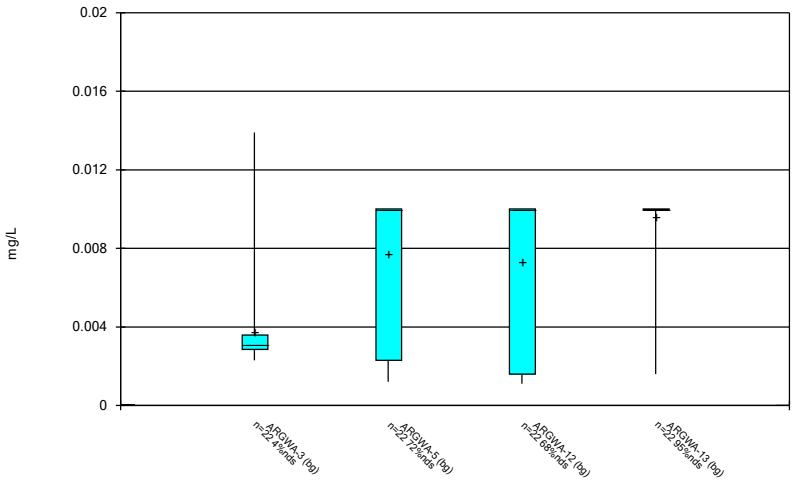
Box & Whiskers Plot



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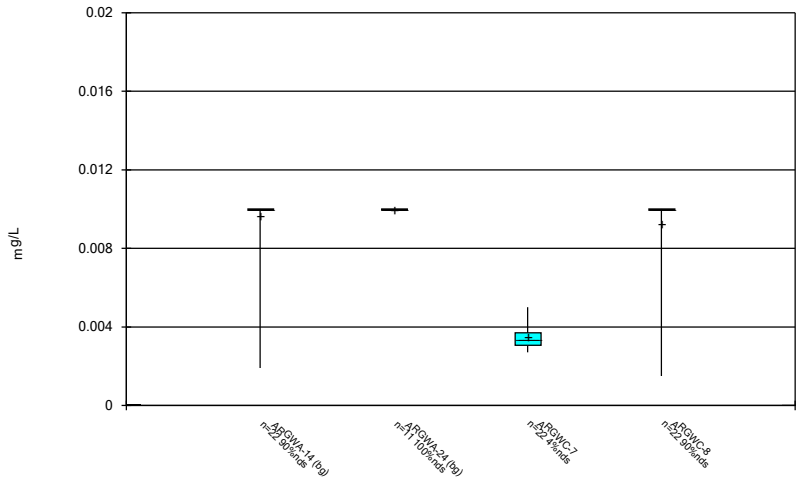
Box & Whiskers Plot



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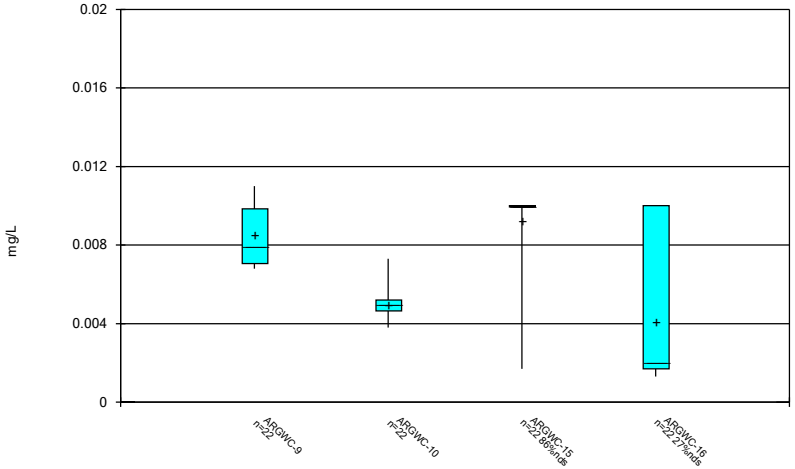

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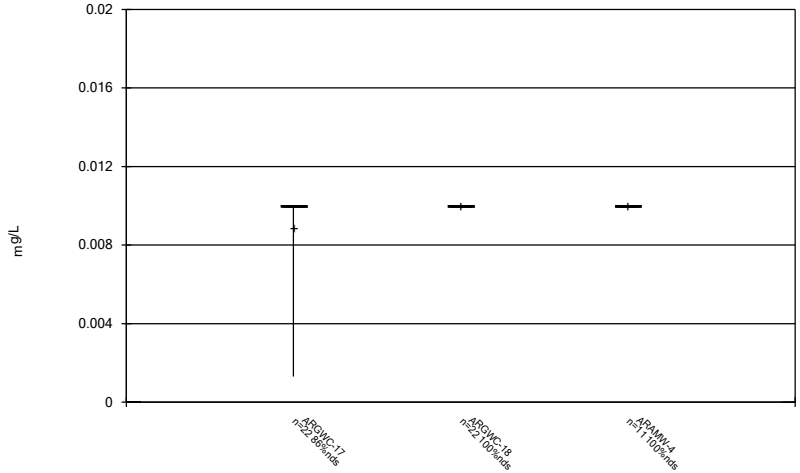
Box & Whiskers Plot



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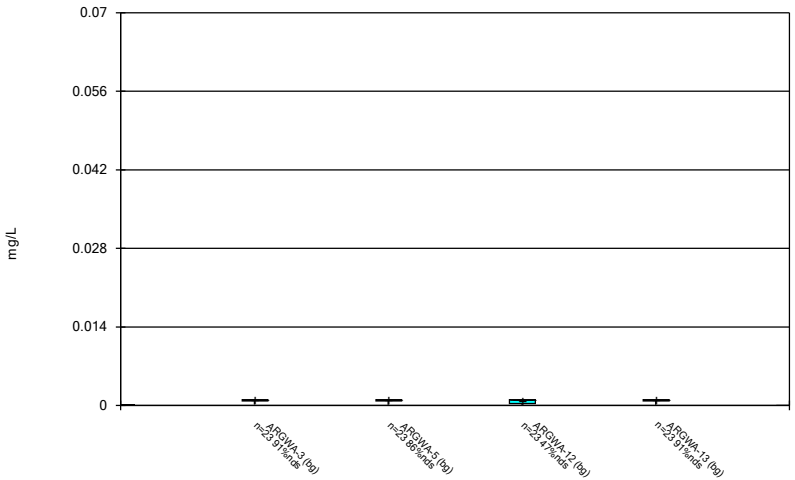
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/22/2025 7:31 AM View: Descriptive
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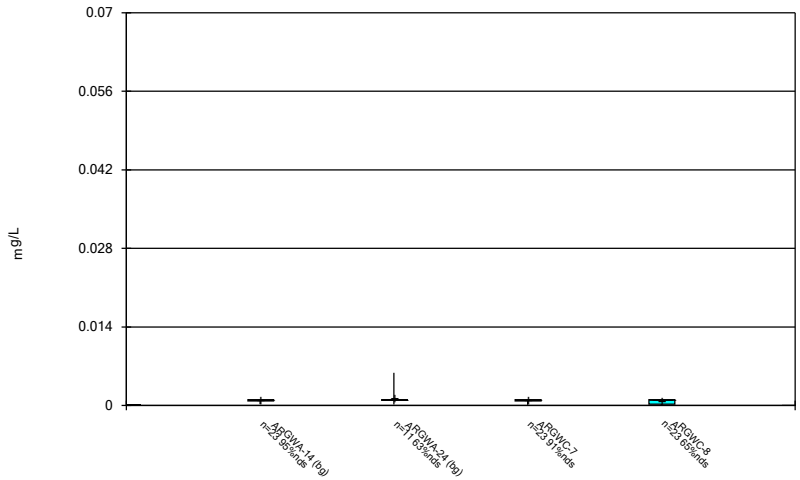
Box & Whiskers Plot



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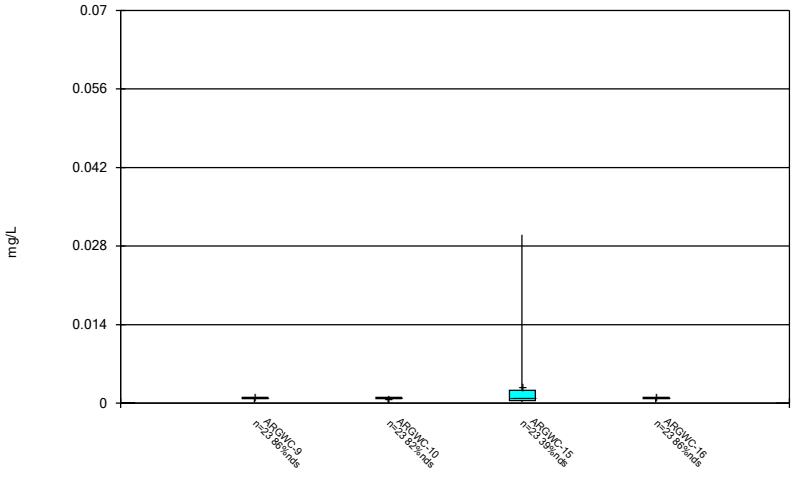
Box & Whiskers Plot



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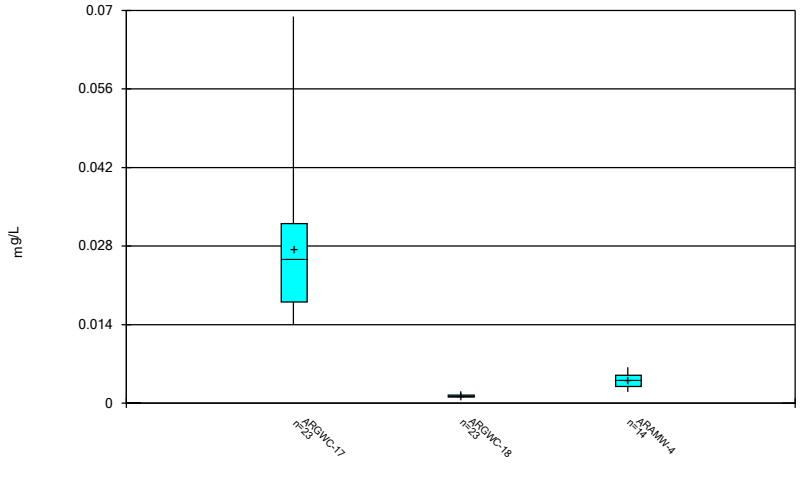
Box & Whiskers Plot



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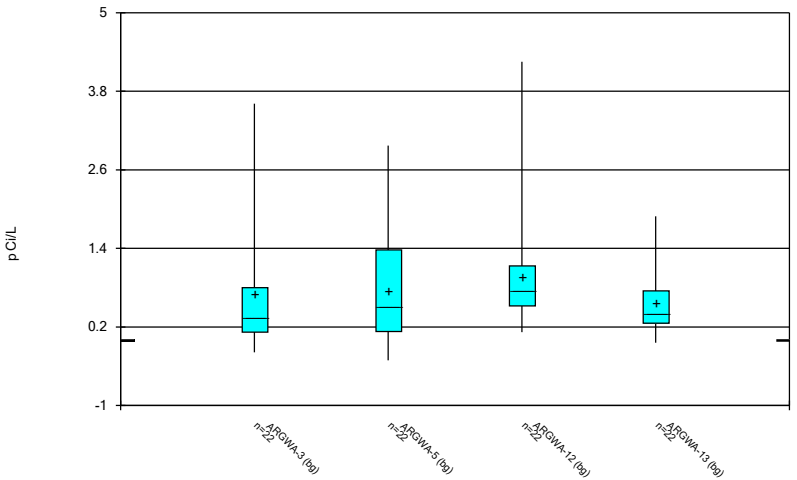
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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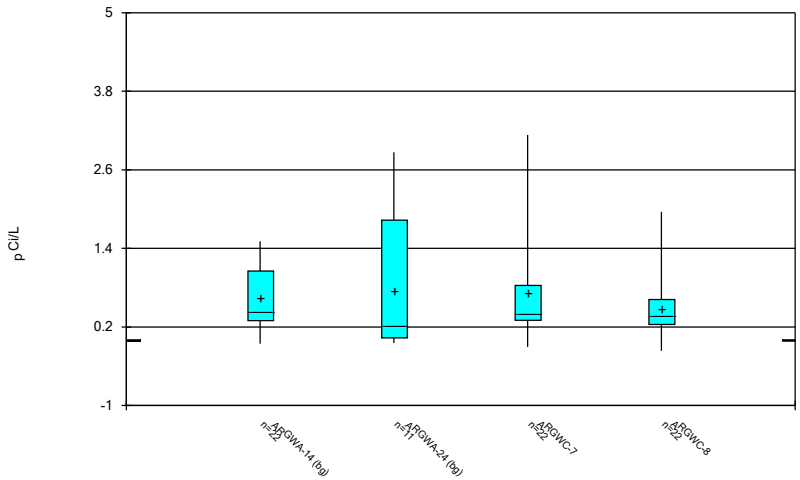
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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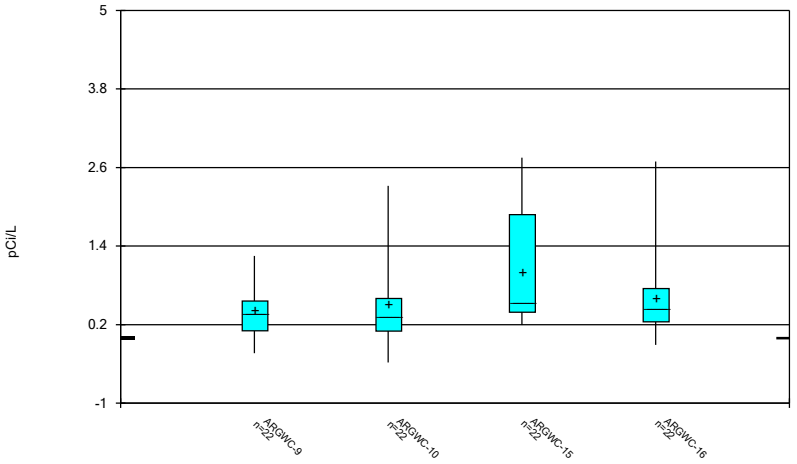
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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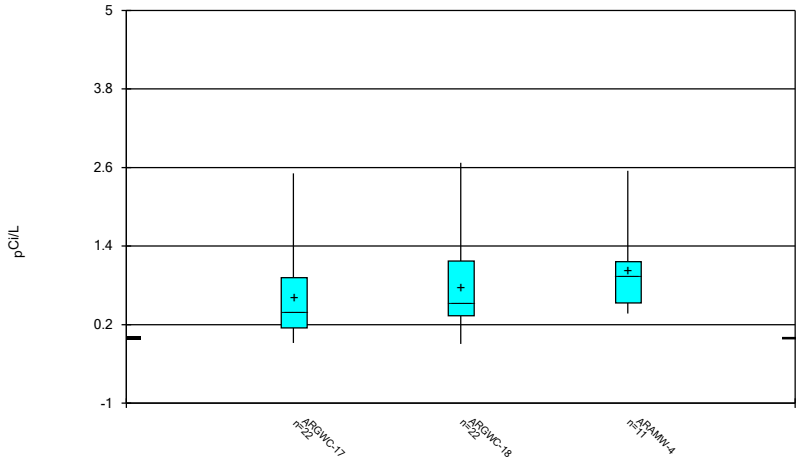
Box & Whiskers Plot



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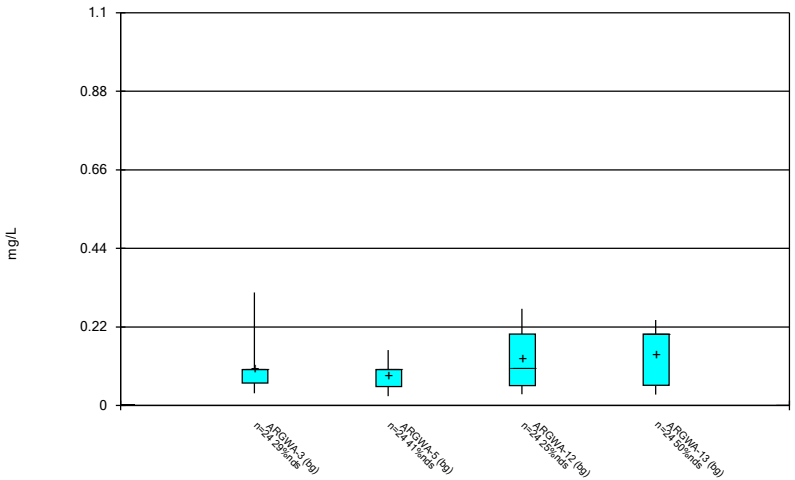
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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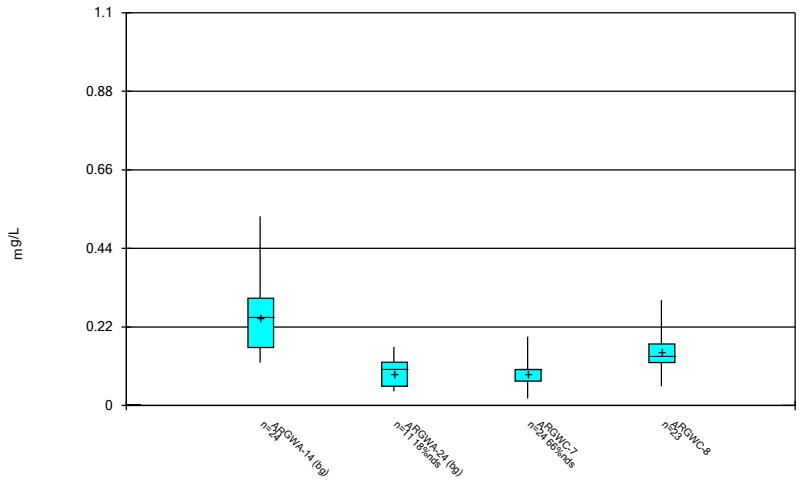
Box & Whiskers Plot



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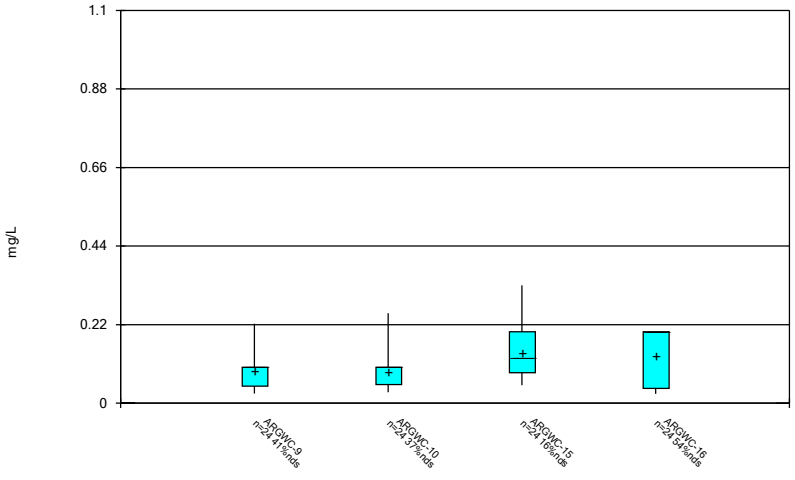
Box & Whiskers Plot



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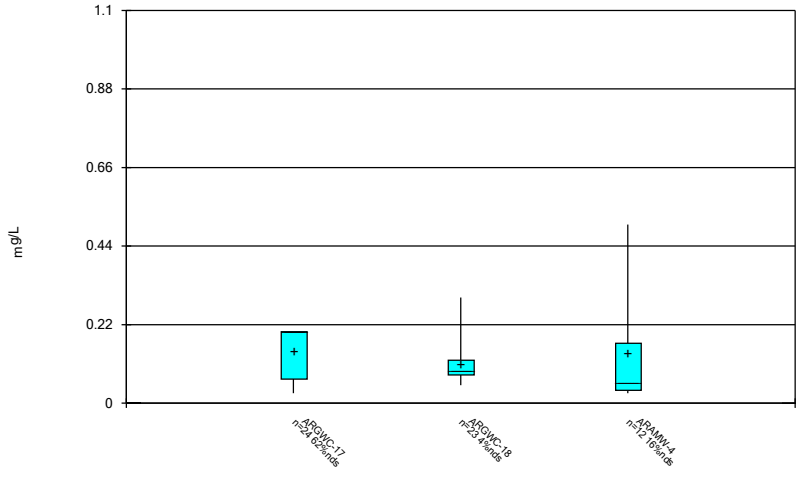
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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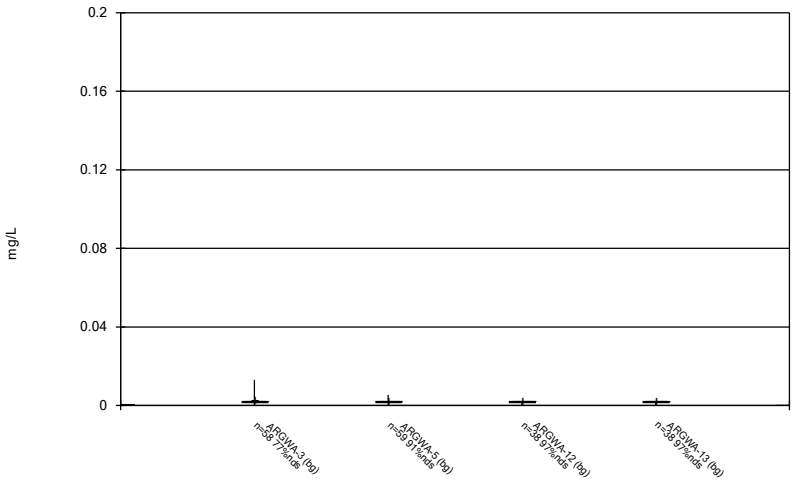
Box & Whiskers Plot



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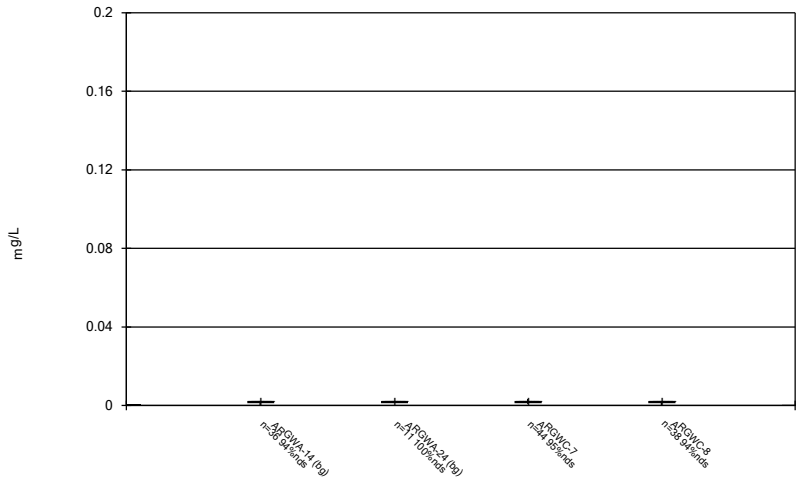
Box & Whiskers Plot



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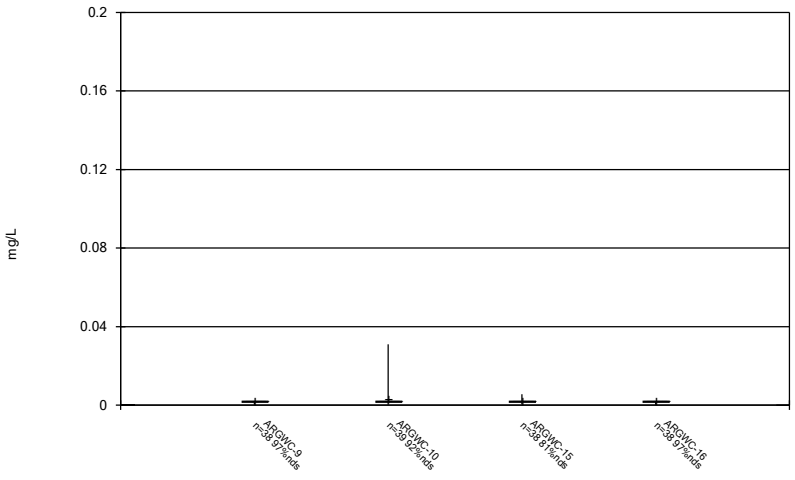
Box & Whiskers Plot



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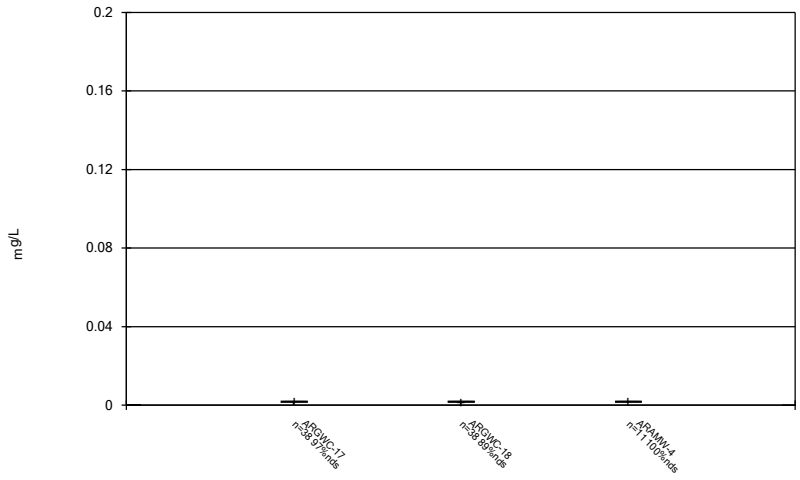

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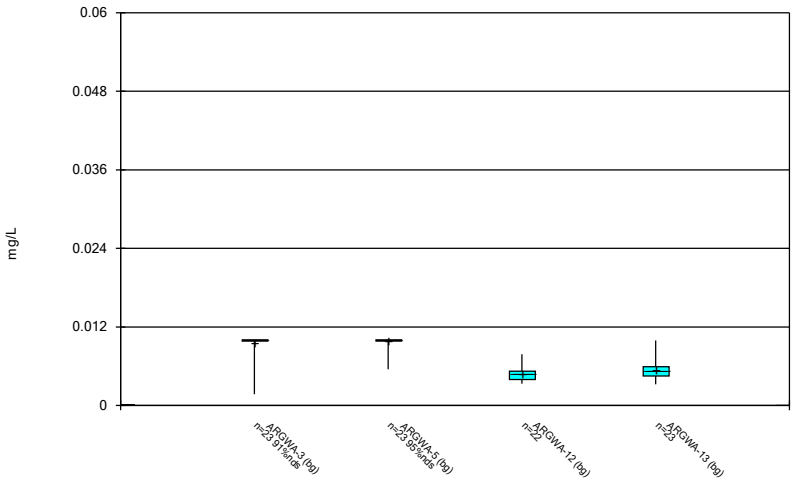
Box & Whiskers Plot



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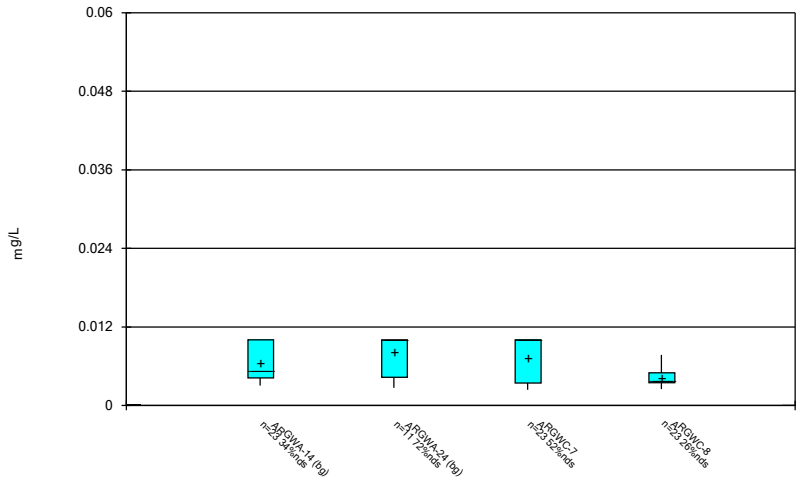
Box & Whiskers Plot



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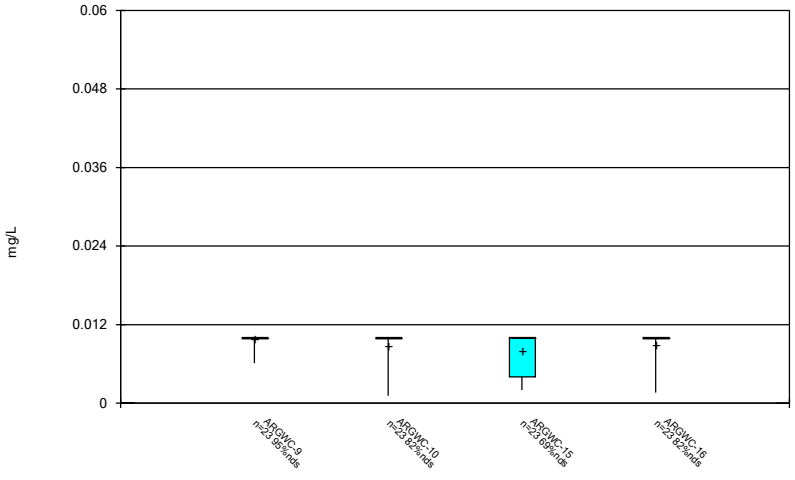
Box & Whiskers Plot



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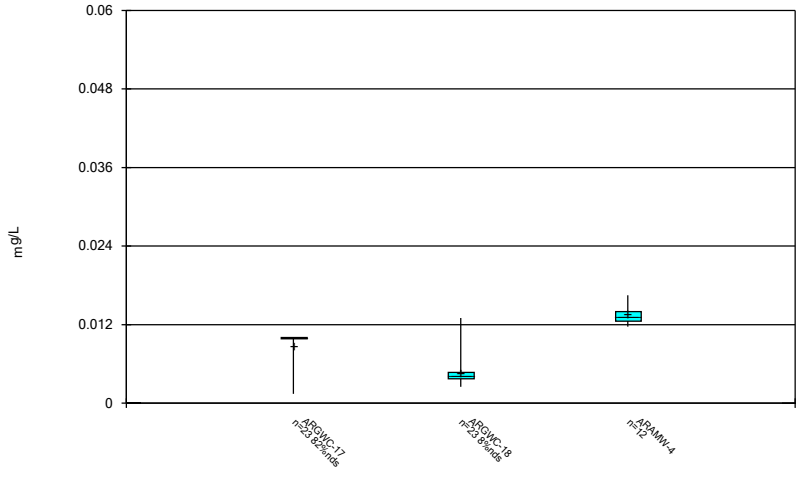
Box & Whiskers Plot



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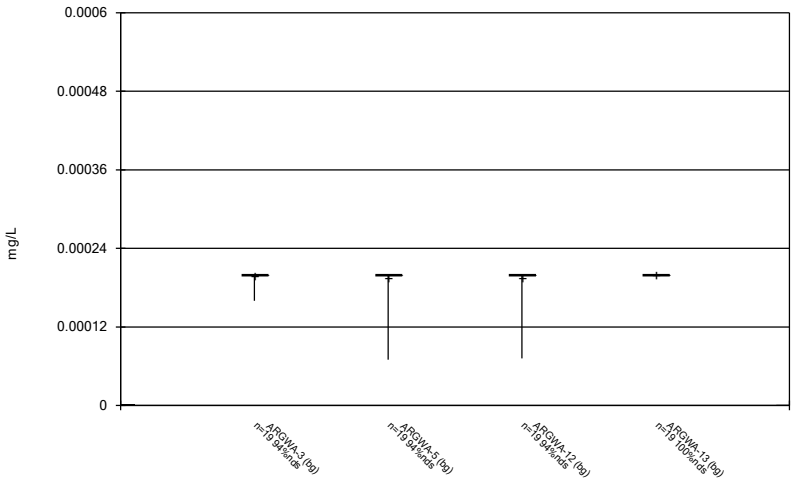
Box & Whiskers Plot



Constituent: Mercury Analysis Run 5/22/2025 7:31 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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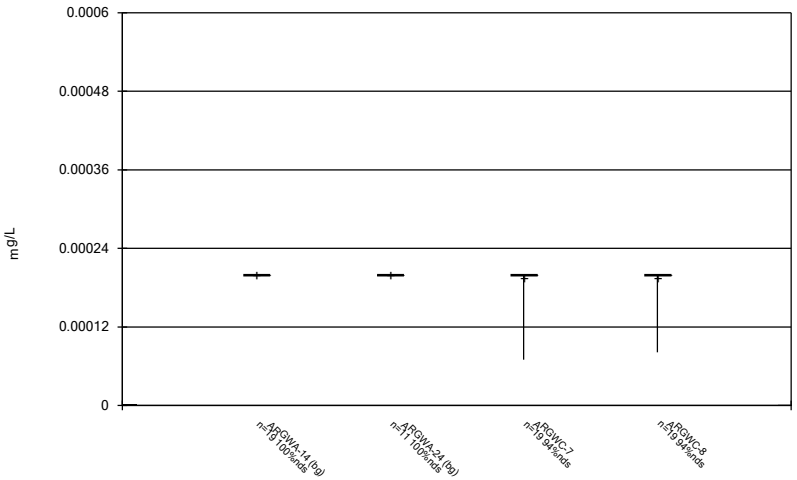
Box & Whiskers Plot



Constituent: Mercury Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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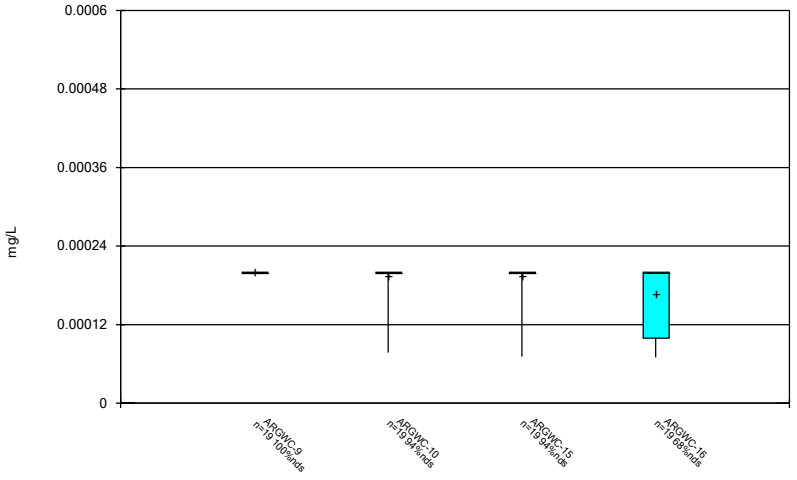
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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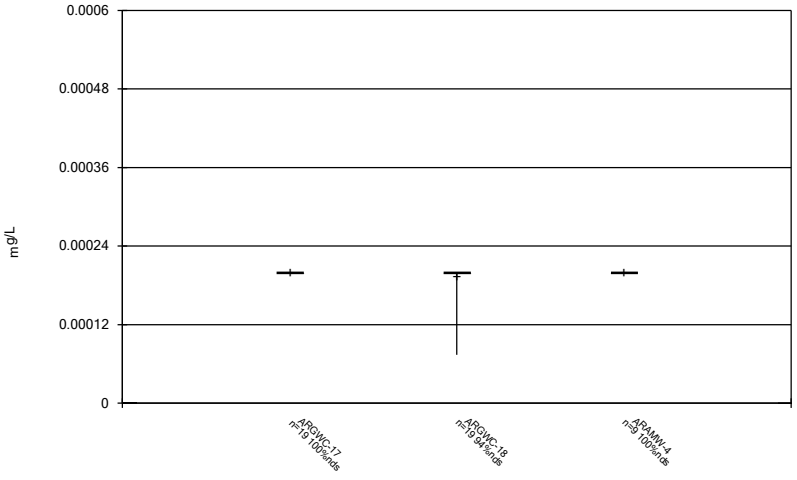

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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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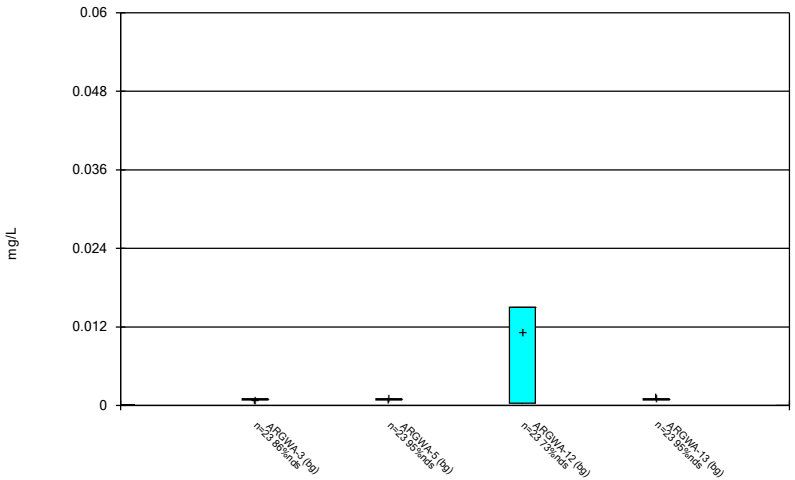
Box & Whiskers Plot



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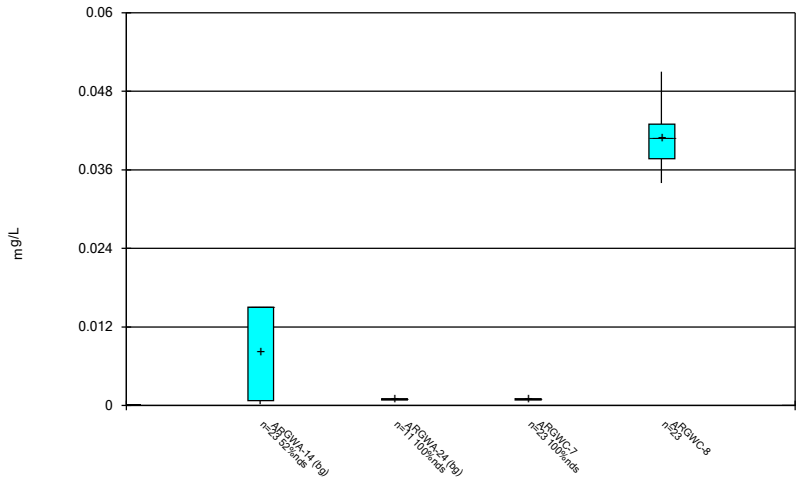
Box & Whiskers Plot



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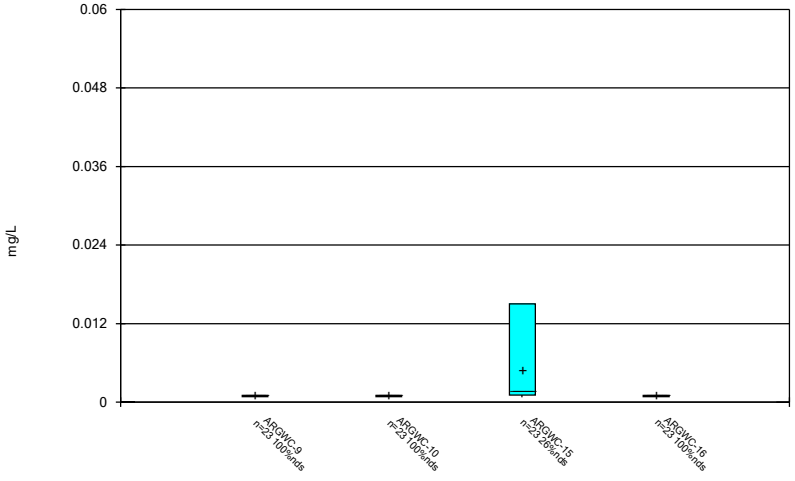

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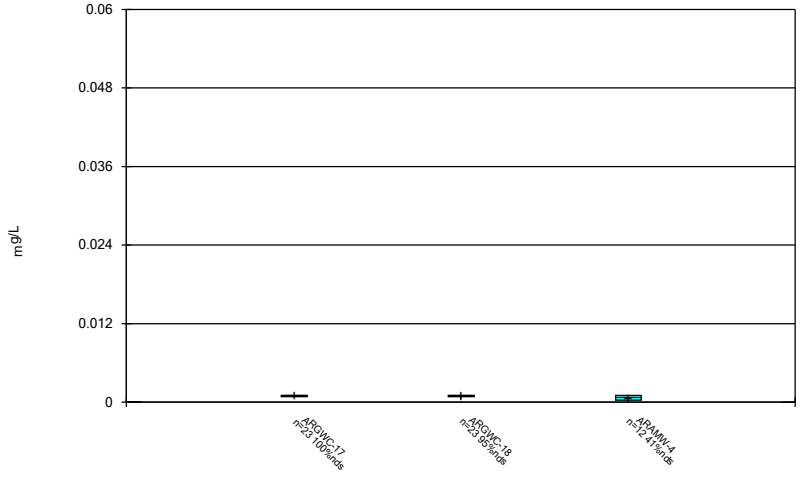
Box & Whiskers Plot



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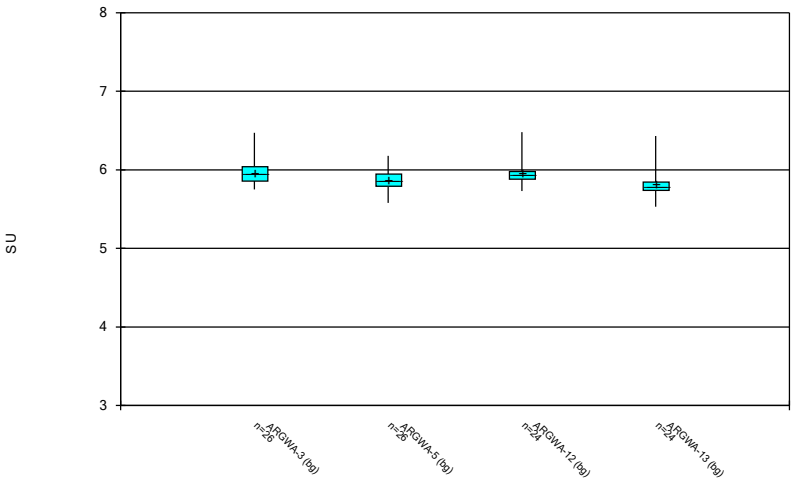
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: pH, Field Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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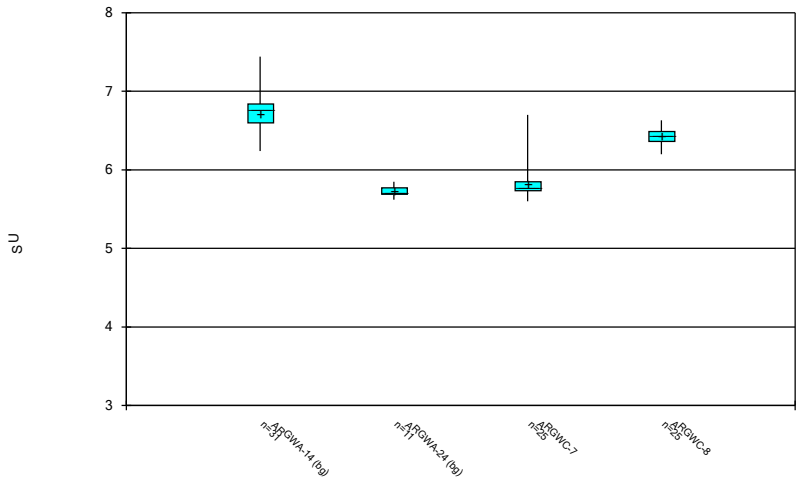
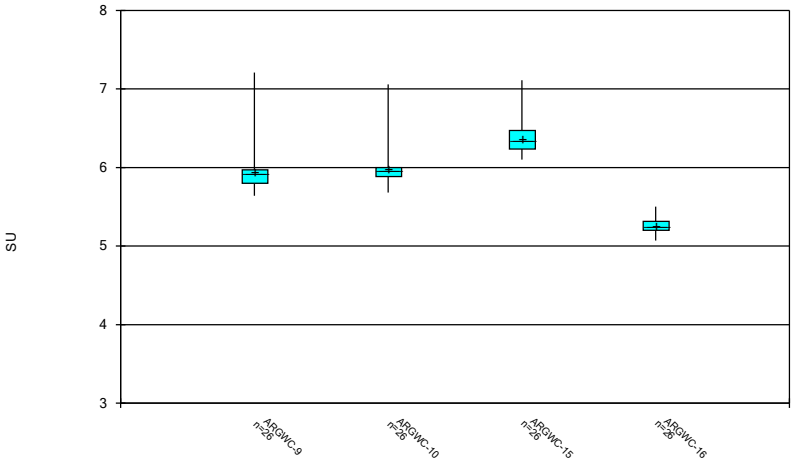
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

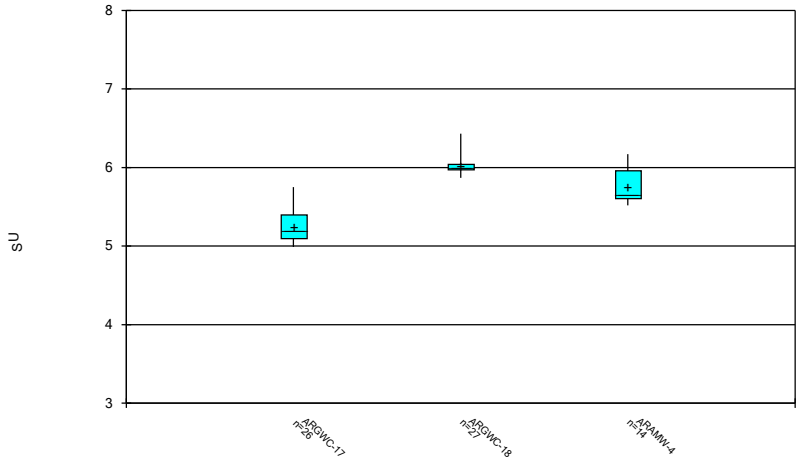
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

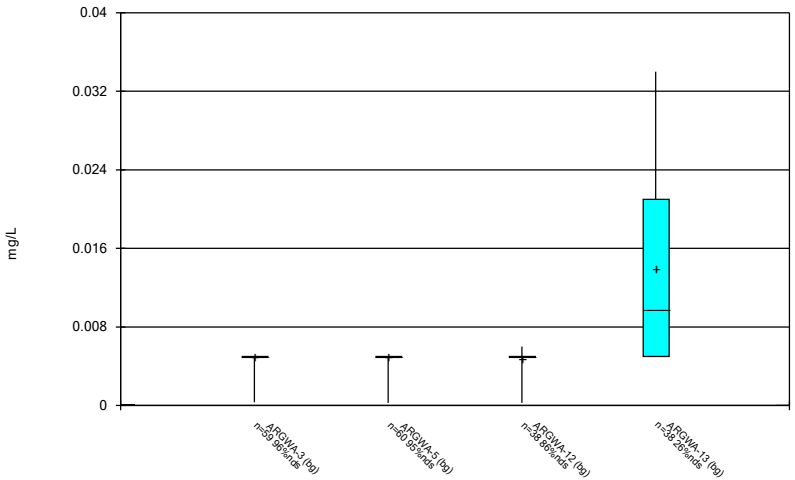
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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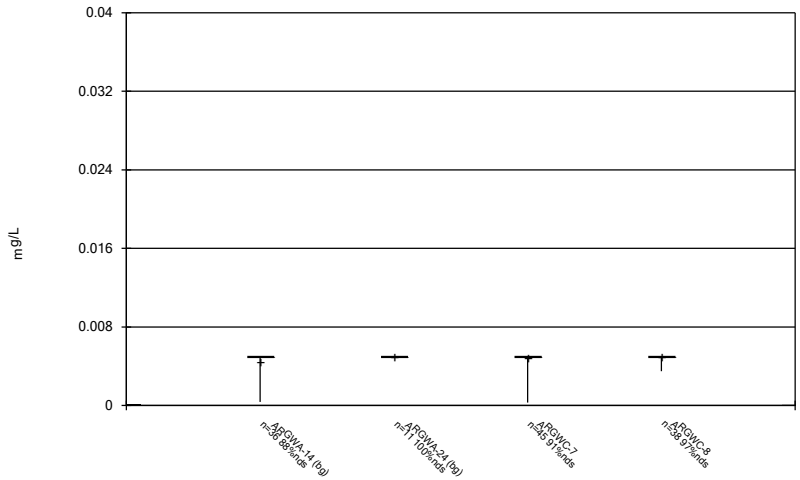
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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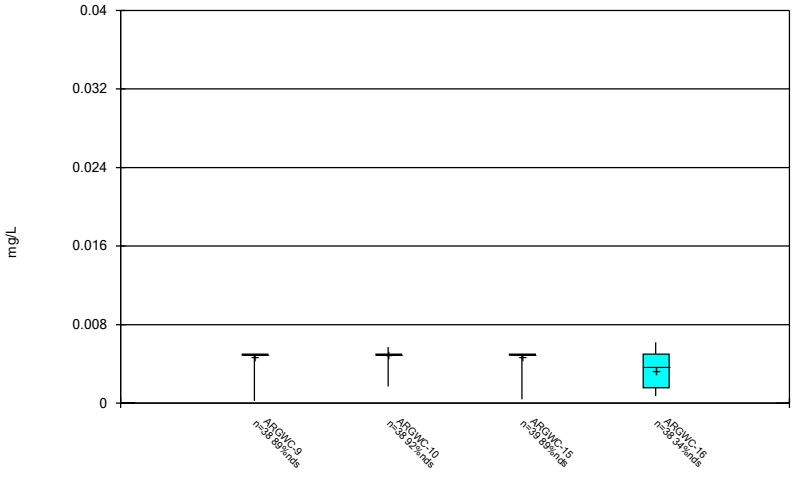
Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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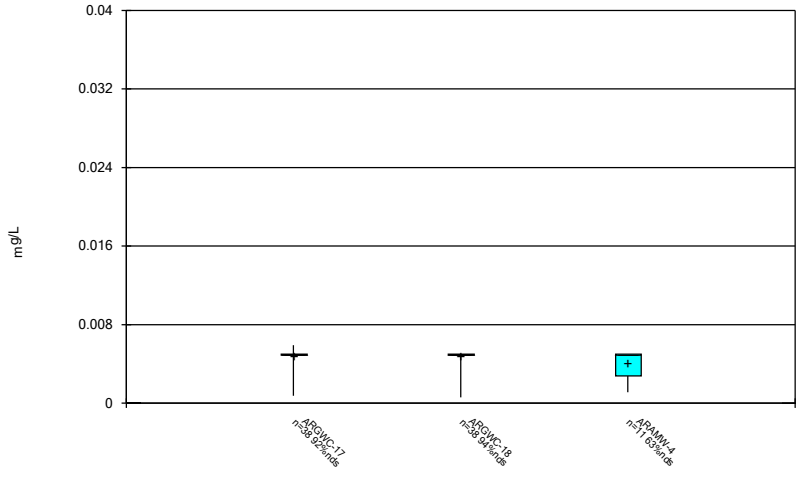

Constituent: Selenium Analysis Run 5/22/2025 7:32 AM View: Descriptive
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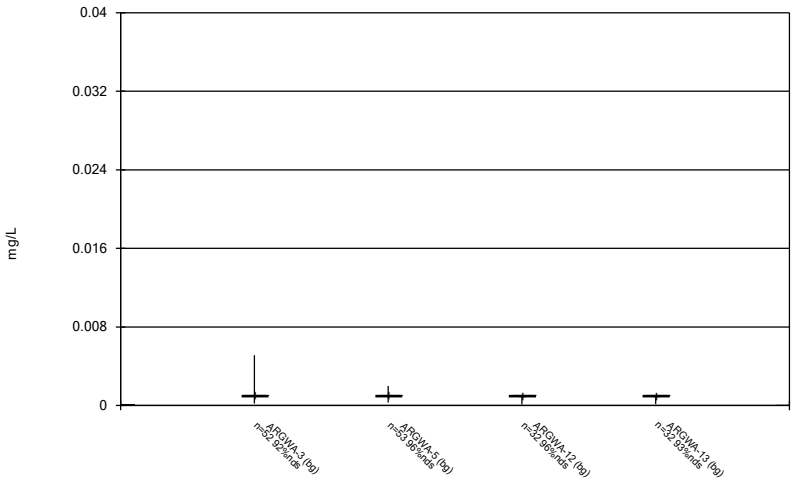
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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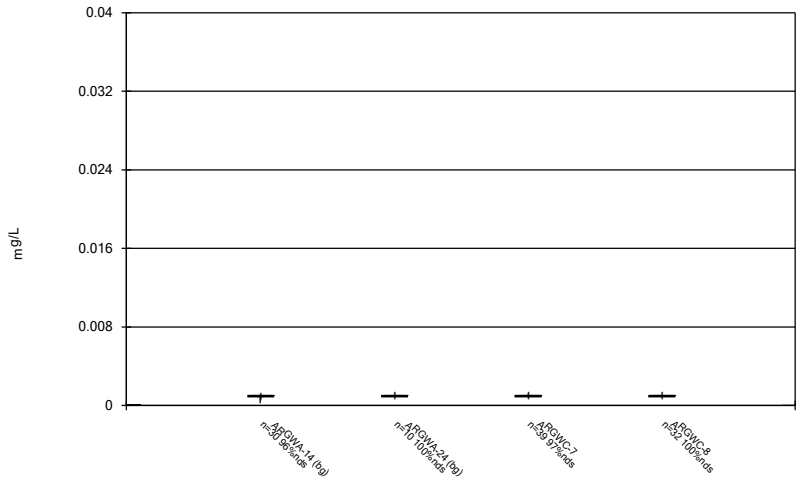
Box & Whiskers Plot



Constituent: Silver Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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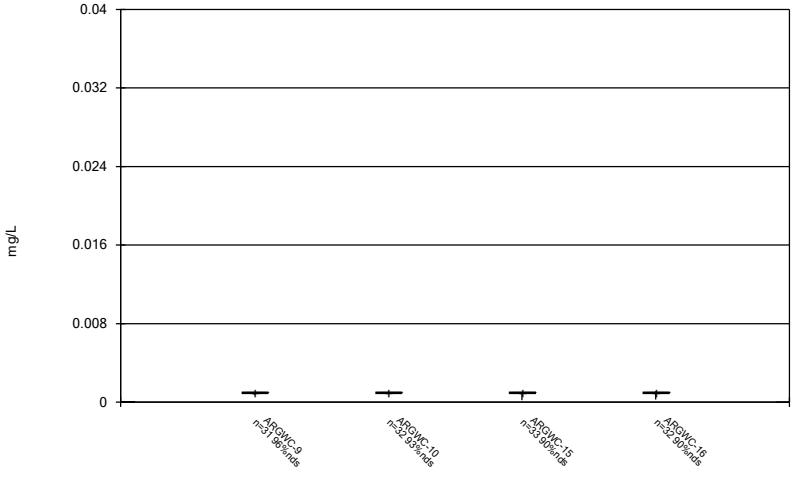
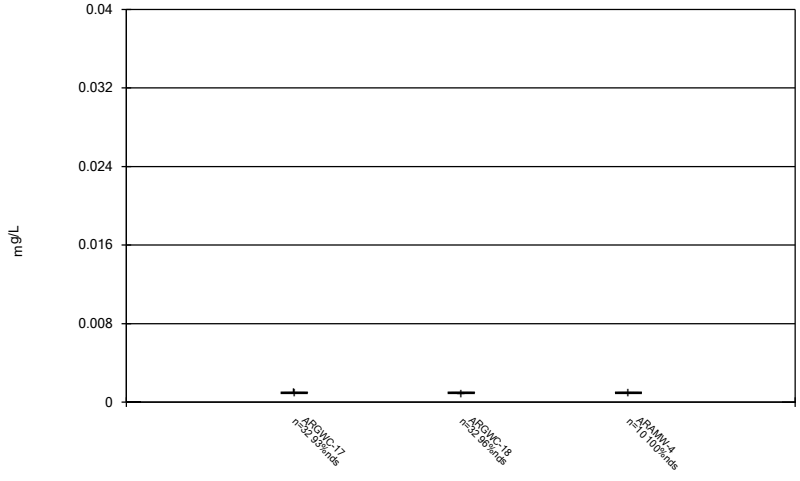
Box & Whiskers Plot



Constituent: Silver Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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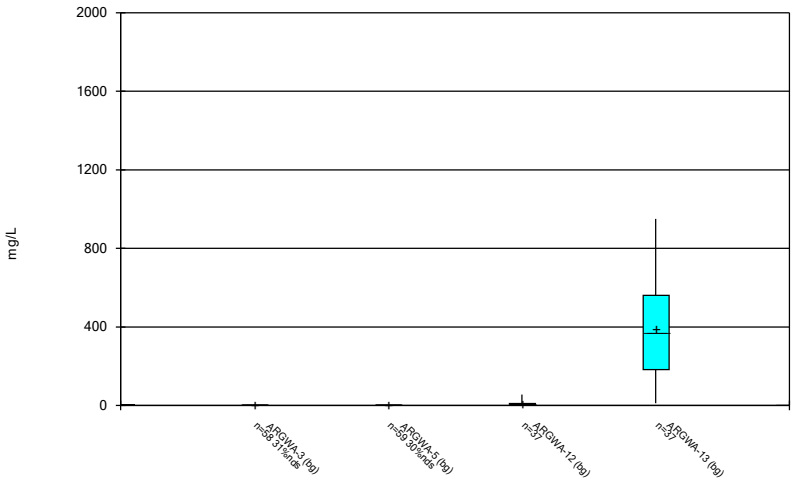
Box & Whiskers Plot



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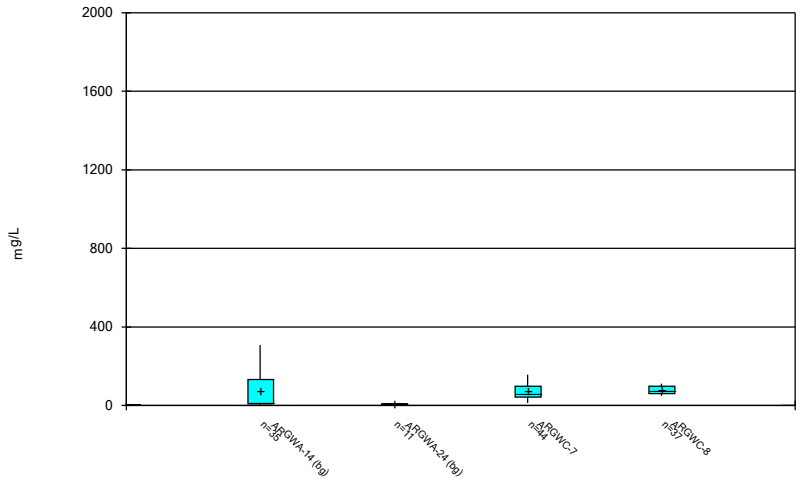
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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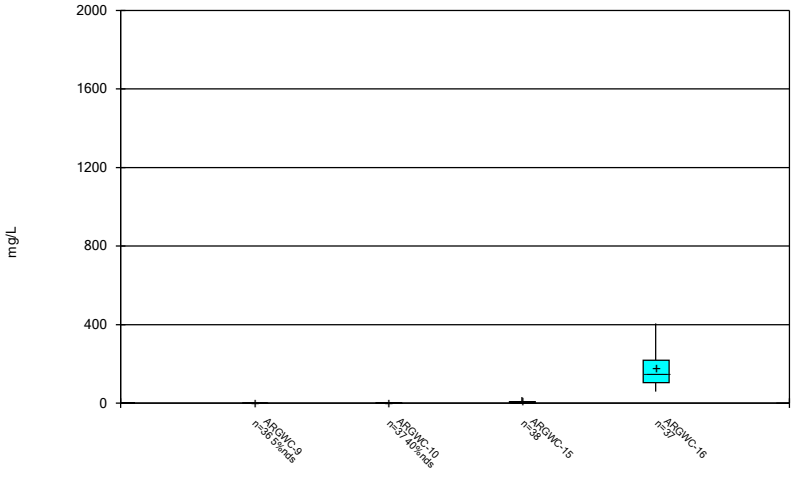
Box & Whiskers Plot



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Plant Arkwright Client: Southern Company Data: Arkwright No 3

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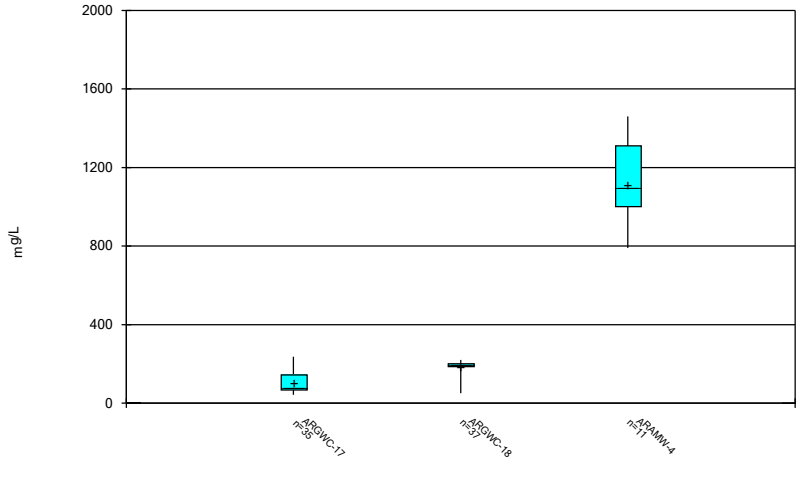
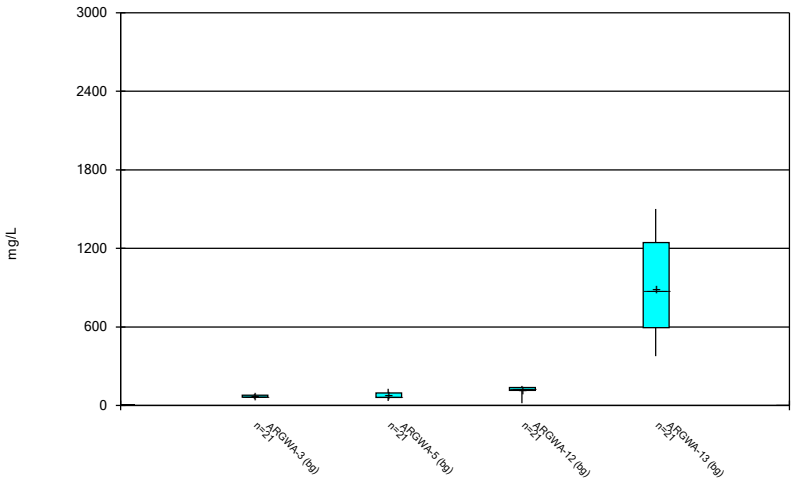
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: TDS Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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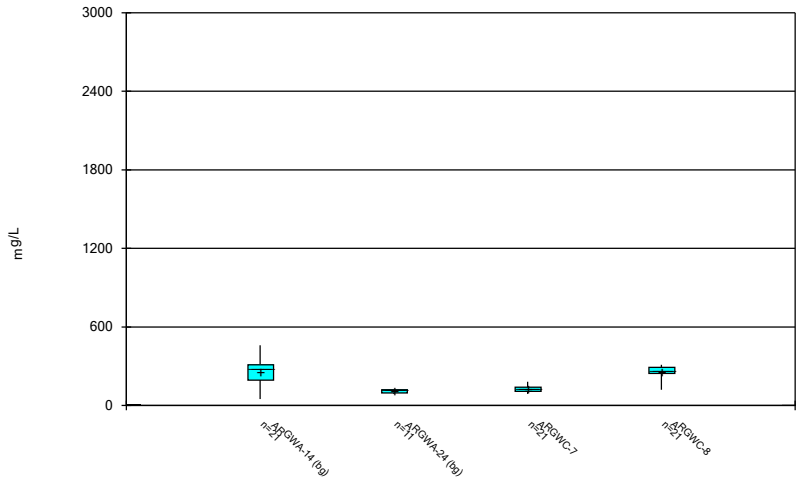
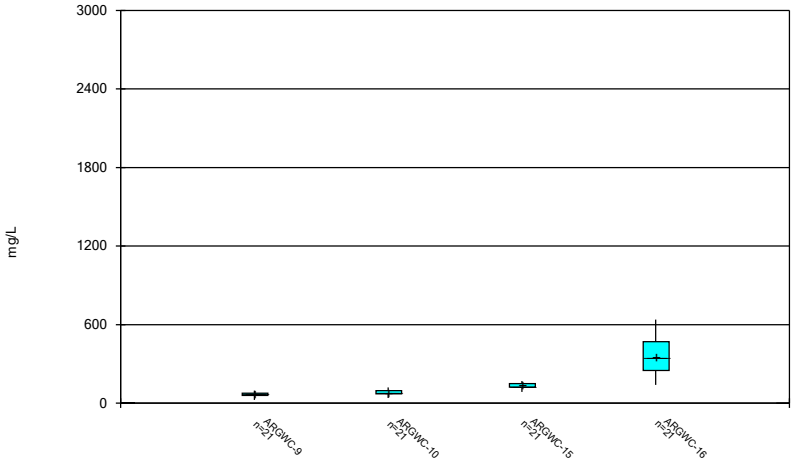
Box & Whiskers Plot



Constituent: TDS Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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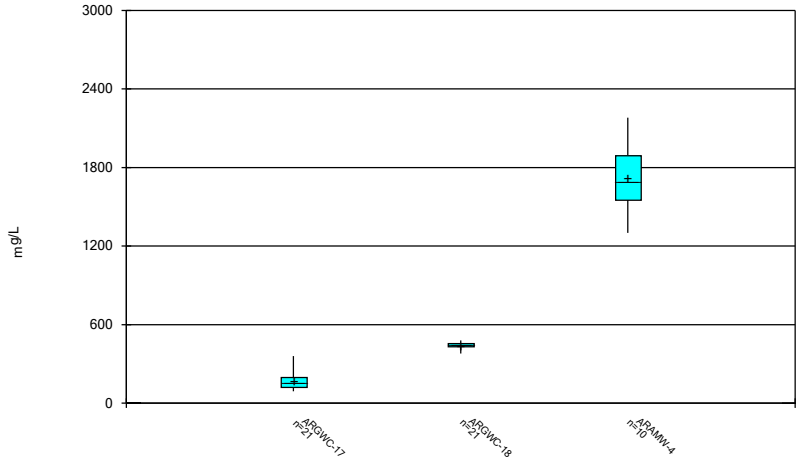
Box & Whiskers Plot



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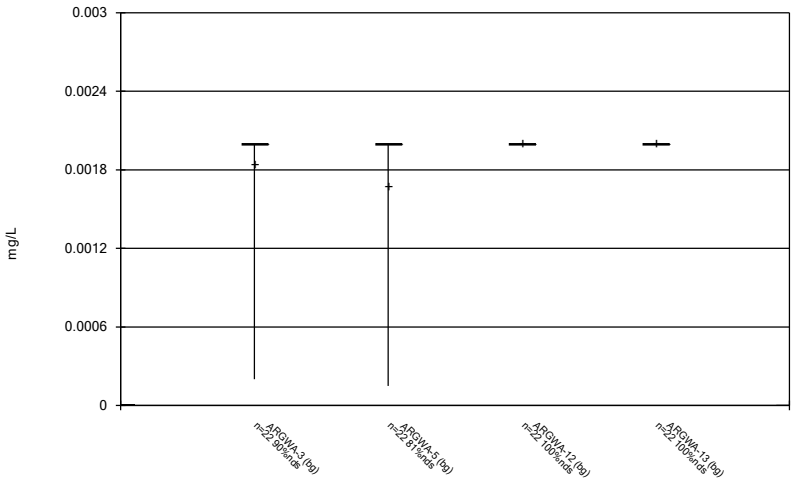
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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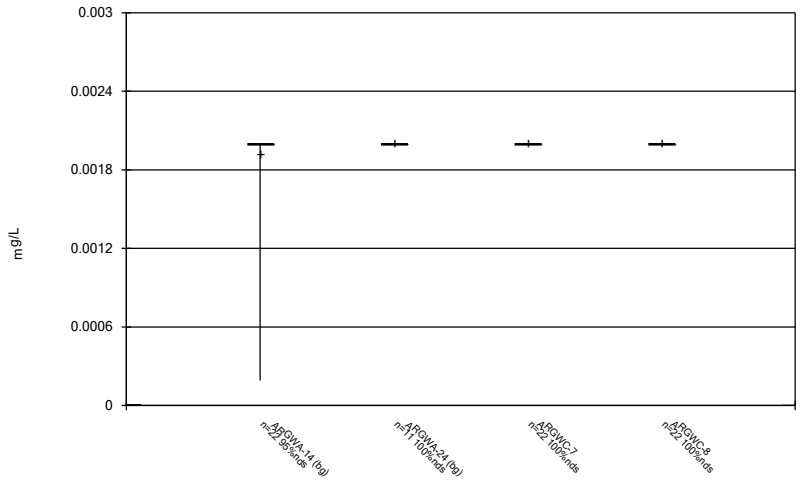
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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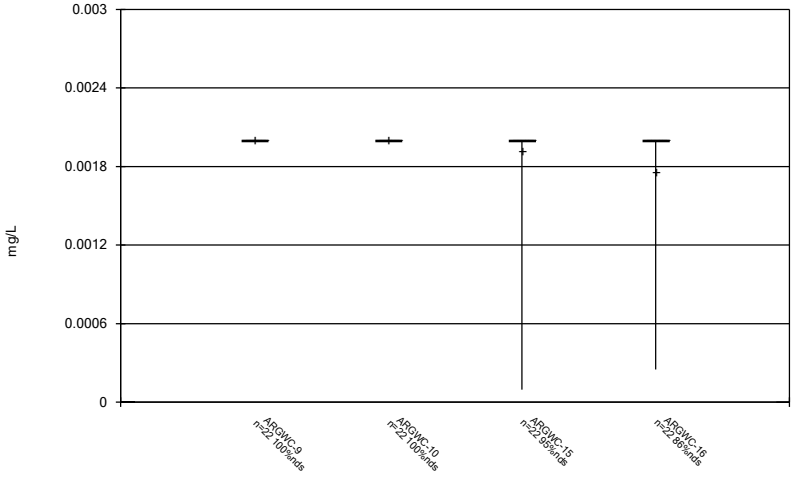
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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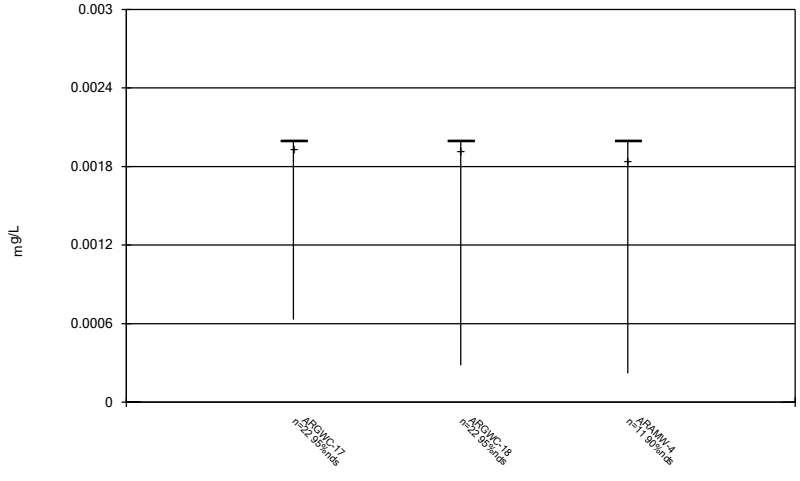
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 5/22/2025 7:32 AM View: Descriptive
Plant Arkwright Client: Southern Company Data: Arkwright No 3

FIGURE C.

Outlier Summary

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 7:29 AM

	ARGWC-9 Arsenic (mg/L)	ARGWC-10 Arsenic (mg/L)	ARGWC-16 Arsenic (mg/L)	ARGWC-17 Arsenic (mg/L)	ARGWC-18 Arsenic (mg/L)	ARGWA-3 Barium (mg/L)	ARGWA-12 Barium (mg/L)	ARGWC-9 Barium (mg/L)	ARGWC-10 Barium (mg/L)	ARGWC-15 Barium (mg/L)
12/16/1997					2.12 (O)					
6/30/1998										
12/10/2003										
12/14/2004										
11/17/2007										
5/2/2008										
5/12/2009			0.003 (O)		0.0025 (O)					
5/13/2009	0.0034 (O)	0.0042 (O)						0.14 (O)	0.15 (O)	
5/25/2010							0.038 (O)			
11/9/2010										
5/19/2011										
11/9/2011										
11/12/2011										
5/30/2012										
11/9/2012				0.01 (O)						
11/11/2012										
5/9/2013										
5/13/2013										0.2 (O)
11/5/2013										
11/6/2013										
5/21/2014										
5/29/2014										
11/19/2014										
8/30/2016										
8/31/2016										
10/24/2016										
10/25/2016										
10/26/2016										
10/8/2019										

Outlier Summary

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 7:29 AM

	ARGWC-16 Barium (mg/L)	ARGWC-17 Barium (mg/L)	ARGWC-18 Barium (mg/L)	ARGWA-3 Cadmium (mg/L)	ARGWA-12 Chloride (mg/L)	ARGWA-14 Chloride (mg/L)	ARGWC-7 Chloride (mg/L)	ARGWC-8 Chloride (mg/L)	ARGWC-15 Chloride (mg/L)	ARGWC-18 Chloride (mg/L)
12/16/1997				0.103 (O)						
6/30/1998				0.0063 (O)						
12/10/2003										
12/14/2004										
11/17/2007							13.5 (O)			
5/2/2008							12.9 (O)			
5/12/2009	0.16 (O)									
5/13/2009										
5/25/2010										
11/9/2010								<0.071 (O)		
5/19/2011						28.2 (O)				
11/9/2011						32.8 (O)				
11/12/2011			0.092 (O)							12.3 (O)
5/30/2012						30.8 (O)				
11/9/2012		0.4 (O)								
11/11/2012						24.6 (O)				
5/9/2013						27.2 (O)				
5/13/2013										
11/5/2013			0.087 (O)							
11/6/2013										
5/21/2014								7.34 (O)		
5/29/2014						20 (O)				
11/19/2014						19 (O)				
8/30/2016										
8/31/2016										
10/24/2016										
10/25/2016										
10/26/2016										
10/8/2019					64 (O)				9.4 (O)	

Outlier Summary

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 7:29 AM

	ARGWC-8 Fluoride (mg/L)	ARGWC-18 Fluoride (mg/L)	ARGWA-3 Lead (mg/L)	ARGWA-5 Lead (mg/L)	ARGWC-7 Lead (mg/L)	ARGWC-15 Lead (mg/L)	ARGWA-12 Lithium (mg/L)	ARGWA-12 pH, Field (SU)	ARGWA-13 pH, Field (SU)	ARGWA-14 pH, Field (SU)
12/16/1997			0.162 (O)							
6/30/1998										
12/10/2003										
12/14/2004				0.013 (O)						
11/17/2007										
5/2/2008					0.008 (O)					
5/12/2009										
5/13/2009										
5/25/2010										
11/9/2010										
5/19/2011										
11/9/2011										
11/12/2011										
5/30/2012										
11/9/2012										
11/11/2012										
5/9/2013										
5/13/2013						0.025 (O)				
11/5/2013										
11/6/2013										
5/21/2014										
5/29/2014										
11/19/2014										
8/30/2016							6.82 (O)			
8/31/2016								6.67 (O)	7.55 (O)	
10/24/2016						<0.05 (O)				
10/25/2016										
10/26/2016	0.43 (O)	0.32 (O)								
10/8/2019										

Outlier Summary

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 7:29 AM

	ARGWA-3 Silver (mg/L)	ARGWA-5 Silver (mg/L)	ARGWC-9 Silver (mg/L)	ARGWC-9 Sulfate (mg/L)	ARGWC-17 Sulfate (mg/L)
12/16/1997	0.035 (O)				
6/30/1998					
12/10/2003		0.002 (O)			
12/14/2004					
11/17/2007					
5/2/2008					
5/12/2009					
5/13/2009			0.0024 (O)		
5/25/2010					
11/9/2010					
5/19/2011					
11/9/2011					
11/12/2011					
5/30/2012					
11/9/2012					842 (O)
11/11/2012					
5/9/2013					
5/13/2013					
11/5/2013					
11/6/2013					471 (O)
5/21/2014					
5/29/2014					
11/19/2014					
8/30/2016					
8/31/2016					
10/24/2016					
10/25/2016				4.7 (O)	
10/26/2016					
10/8/2019					

FIGURE D.

Appendix I - Interwell Prediction Limits - All Results (No Significant)

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 8:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	ARGWC-7	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-8	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-9	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-10	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-15	0.00593	n/a	2/13/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-16	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-17	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	ARGWC-18	0.00593	n/a	2/5/2025	0.005ND	No	242	n/a	n/a	82.23	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Barium (mg/L)	ARGWC-7	0.24	n/a	2/5/2025	0.0521	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-8	0.24	n/a	2/5/2025	0.0601	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-9	0.24	n/a	2/5/2025	0.0381	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-10	0.24	n/a	2/5/2025	0.0346	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-15	0.24	n/a	2/13/2025	0.0229	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-16	0.24	n/a	2/5/2025	0.0373	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-17	0.24	n/a	2/5/2025	0.0426	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Barium (mg/L)	ARGWC-18	0.24	n/a	2/5/2025	0.0382	No	240	n/a	n/a	0	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Cadmium (mg/L)	ARGWC-15	0.0043	n/a	2/13/2025	0.001ND	No	191	n/a	n/a	93.72	n/a	n/a	0.0000543	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	ARGWC-16	0.0043	n/a	2/5/2025	0.001ND	No	191	n/a	n/a	93.72	n/a	n/a	0.0000543	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	ARGWC-17	0.0043	n/a	2/5/2025	0.001ND	No	191	n/a	n/a	93.72	n/a	n/a	0.0000543	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-7	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-8	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-9	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-10	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-15	0.013	n/a	2/13/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-16	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-17	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Lead (mg/L)	ARGWC-18	0.013	n/a	2/5/2025	0.002ND	No	229	n/a	n/a	90.39	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-7	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-8	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-9	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-10	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-15	0.034	n/a	2/13/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-16	0.034	n/a	2/5/2025	0.00451J	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-17	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Selenium (mg/L)	ARGWC-18	0.034	n/a	2/5/2025	0.005ND	No	231	n/a	n/a	81.82	n/a	n/a	0.00004917	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-7	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-9	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-10	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-15	0.0051	n/a	2/13/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-16	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-17	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2
Silver (mg/L)	ARGWC-18	0.0051	n/a	2/5/2025	0.001ND	No	199	n/a	n/a	94.97	n/a	n/a	0.00004974	NP Inter (NDs) 1 of 2

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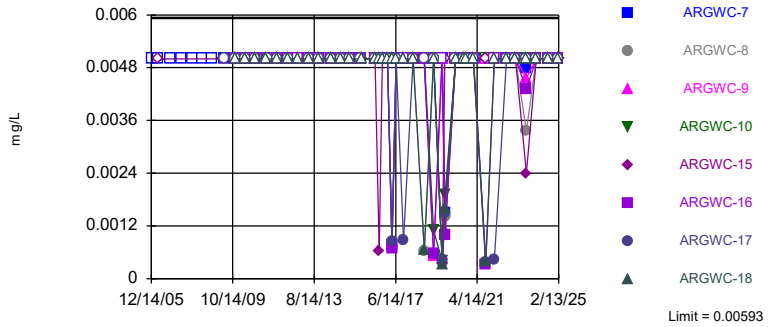
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 242 background values. 82.23% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Arsenic Analysis Run 5/21/2025 8:54 AM View: Appendix I - Interwell PLs (100% ND)
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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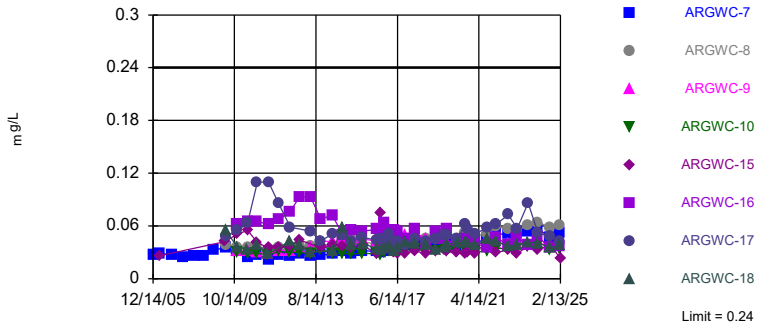
Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 240 background values. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Barium Analysis Run 5/21/2025 8:54 AM View: Appendix I - Interwell PLs (100% ND)
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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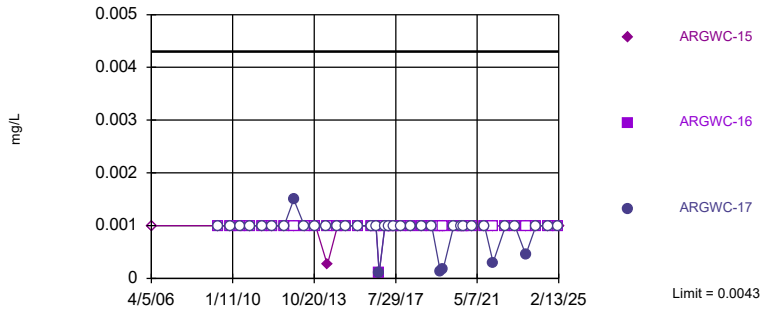
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 191 background values. 93.72% NDs. Annual per-constituent alpha = 0.0008685. Individual comparison alpha = 0.0000543 (1 of 2). Comparing 3 points to limit. Assumes 5 future values.

Constituent: Cadmium Analysis Run 5/21/2025 8:54 AM View: Appendix I - Interwell PLs (100% ND)
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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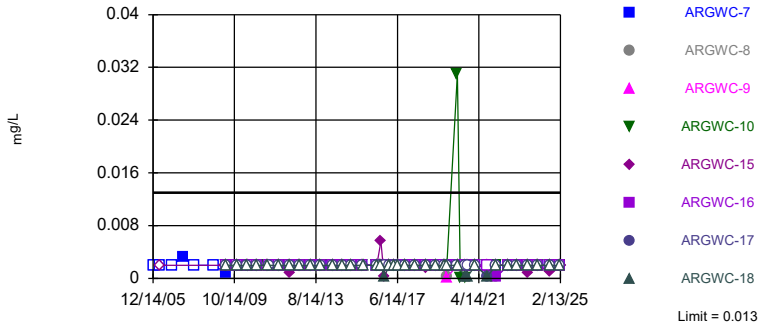
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 229 background values. 90.39% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Lead Analysis Run 5/21/2025 8:54 AM View: Appendix I - Interwell PLs (100% ND)
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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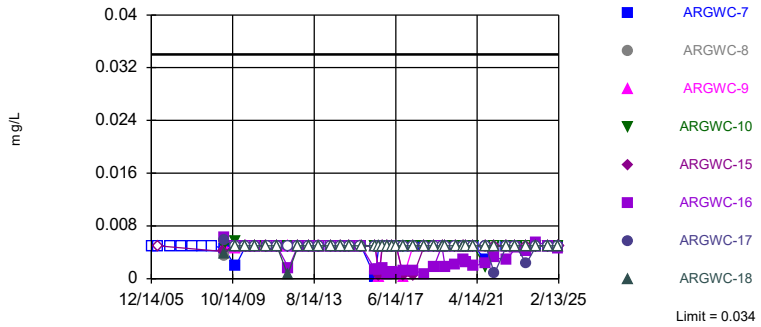
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 231 background values. 81.82% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Selenium Analysis Run 5/21/2025 8:54 AM View: Appendix I - Interwell PLs (100% ND)
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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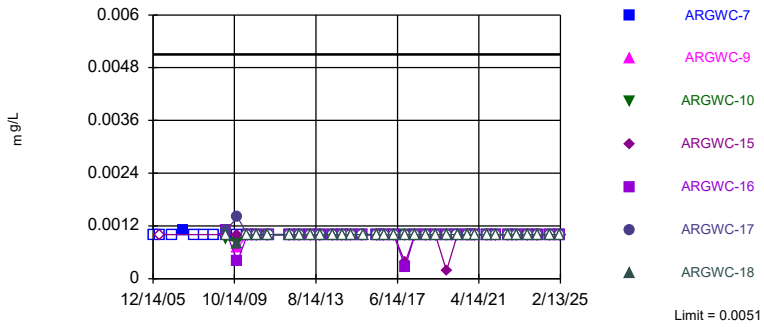
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 199 background values. 94.97% NDs. Annual per-constituent alpha = 0.0007955. Individual comparison alpha = 0.00004974 (1 of 2). Comparing 7 points to limit. Assumes 1 future value.

Constituent: Silver Analysis Run 5/21/2025 8:54 AM View: Appendix I - Interwell PLs (100% ND)
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-8	ARGWC-9
12/16/1997	0.00024 (J)	<0.005							
6/30/1998	0.0006	<0.005							
12/2/1998	0.0007	<0.005							
6/8/1999	<0.005	<0.005							
12/7/1999	<0.005	<0.005							
6/15/2000	<0.005	<0.005							
12/12/2000	0.000475	0.00032							
12/5/2001	<0.005	0.000303							
6/26/2002	0.000431	0.000939							
12/3/2002	<0.005	<0.005							
6/11/2003	<0.005	<0.005							
12/10/2003	<0.005	<0.005							
6/15/2004	<0.005	<0.005							
12/14/2004	<0.005	<0.005							
6/2/2005	<0.005	<0.005							
12/14/2005	<0.005	<0.005	<0.005						
4/5/2006		<0.005	<0.005	<0.005					
4/6/2006	<0.005								
10/30/2006	<0.005	<0.005	<0.005						
5/10/2007	0.0044	<0.005	<0.005						
11/17/2007	<0.005	<0.005	<0.005						
5/2/2008			<0.005						
5/3/2008	<0.005	<0.005							
10/22/2008	<0.005	<0.005	<0.005						
5/5/2009				<0.005					
5/6/2009		<0.005			<0.005				
5/7/2009	0.0028					0.0013			
5/12/2009							<0.005		
5/13/2009									0.0034 (O)
5/14/2009			<0.005					<0.005	
12/1/2009		<0.005	<0.005						
12/3/2009					<0.005	<0.005		<0.005	<0.005
12/4/2009	<0.005			<0.005			<0.005		
12/5/2009									
5/25/2010		<0.005			<0.005	<0.005	<0.005		
5/26/2010			<0.005					<0.005	<0.005
6/1/2010	<0.005			<0.005					
6/2/2010									
11/9/2010		<0.005			<0.005		<0.005	<0.005	<0.005
11/10/2010	<0.005		<0.005	<0.005		<0.005			
5/18/2011								<0.005	
5/19/2011									<0.005
5/24/2011		<0.005			<0.005		<0.005		
5/25/2011	<0.005		<0.005	<0.005		<0.005			
11/9/2011				<0.005					
11/10/2011		<0.005			<0.005	<0.005			
11/11/2011			<0.005					<0.005	<0.005
11/12/2011	<0.005						<0.005		
5/17/2012			<0.005					<0.005	<0.005
5/18/2012		<0.005			<0.005				
5/30/2012						<0.005	<0.005		
5/31/2012	<0.005			<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-8	ARGWC-9
11/9/2012		<0.005	<0.005		<0.005	<0.005	0.01 (O)	<0.005	<0.005
11/10/2012				<0.005					
11/11/2012	<0.005								
5/7/2013								<0.005	<0.005
5/8/2013		<0.005	<0.005		<0.005		<0.005		
5/9/2013						<0.005			
5/13/2013	<0.005			<0.005					
11/5/2013			<0.005					<0.005	
11/6/2013		<0.005			<0.005		<0.005		<0.005
11/11/2013						<0.005			
11/12/2013	<0.005			<0.005					
5/20/2014		<0.005			<0.005		<0.005		
5/21/2014			<0.005			<0.005		<0.005	<0.005
5/28/2014				<0.005					
5/29/2014	<0.005								
11/17/2014		<0.005	<0.005				<0.005		
11/18/2014					<0.005	<0.005		<0.005	<0.005
11/19/2014									
11/20/2014				<0.005					
4/7/2015		<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2015	<0.005			<0.005	<0.005				
4/15/2015									
10/28/2015		<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
10/29/2015					<0.005				
11/3/2015	<0.005			<0.005					
11/4/2015									
6/23/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005
6/24/2016							<0.005		
8/30/2016		<0.005			<0.005				
8/31/2016	<0.005		<0.005			<0.005		<0.005	<0.005
9/1/2016							<0.005		
9/2/2016				0.00062 (J)					
10/24/2016					<0.005				
10/25/2016	<0.005	<0.005	<0.005			<0.005	<0.005		<0.005
10/26/2016				<0.005				<0.005	
1/23/2017					<0.005				
1/24/2017	<0.005	<0.005				<0.005			
1/26/2017			<0.005	<0.005			<0.005	<0.005	<0.005
1/27/2017									
4/11/2017	0.00067 (J)	0.00077 (J)			0.00076 (J)	0.00063 (J)	0.00084 (J)		
4/12/2017			0.00078 (J)	<0.005				0.00072 (J)	<0.005
6/20/2017	0.00064 (J)	0.00052 (J)							
6/21/2017				<0.005	<0.005	<0.005	<0.005	<0.005	
6/22/2017			<0.005						<0.005
10/25/2017	<0.005	<0.005	<0.005		<0.005	<0.005			<0.005
10/26/2017				<0.005			0.00087 (J)	<0.005	
4/9/2018						<0.005			
4/10/2018	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005		
4/11/2018								<0.005	<0.005
10/16/2018	<0.005	<0.005			<0.005	0.00055 (J)			
10/17/2018			<0.005	<0.005			<0.005	0.00063 (J)	<0.005
3/26/2019						0.00089 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-8	ARGWC-9
3/27/2019	0.00055 (J)	0.00055 (J)		<0.005	0.00049 (J)				
3/28/2019			<0.005				<0.005		0.00051 (J)
3/29/2019								<0.005	
8/19/2019						0.00045 (J)			
8/20/2019	0.00045 (J)	0.00058 (J)			0.00046 (J)				
8/21/2019			<0.005	0.00036 (J)			0.00044 (J)	0.00036 (J)	<0.005
10/7/2019									
10/8/2019	<0.005	<0.005		<0.005	<0.005	<0.005			
10/9/2019			0.0015				0.0015	0.0014	0.0011
4/6/2020									
4/7/2020	<0.005	<0.005			<0.005	<0.005			
4/8/2020			<0.005	<0.005			<0.005		
4/9/2020								<0.005	<0.005
8/18/2020	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005		
8/19/2020				<0.005					<0.005
8/20/2020								<0.005	
9/29/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
9/30/2020									
10/1/2020								<0.005	<0.005
12/1/2020									
2/9/2021	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005		
2/10/2021			<0.005					<0.005	<0.005
2/11/2021									
3/29/2021									
9/7/2021					<0.005	<0.005			
9/8/2021	<0.005	<0.005		<0.005			0.00039 (J)		
9/9/2021								<0.005	<0.005
9/10/2021			<0.005						
2/1/2022	<0.005	<0.005			<0.005	<0.005			
2/2/2022							0.00044 (J)	<0.005	<0.005
2/3/2022			<0.005	<0.005					
8/30/2022		<0.005			<0.005				
8/31/2022	<0.005		<0.005	<0.005		<0.005		<0.005	<0.005
9/2/2022							<0.005		
2/2/2023			<0.005		<0.005			<0.005	<0.005
2/3/2023	<0.005	<0.005		<0.005		<0.005	<0.005		
2/7/2023									
8/9/2023	<0.005				<0.005	<0.005	<0.005		
8/10/2023		0.00593	0.0048 (J)	0.0024 (J)				0.00337 (J)	0.00457 (J)
1/24/2024	<0.005	<0.005							
1/25/2024			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/20/2024	<0.005				<0.005				
8/21/2024		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
8/22/2024									
2/5/2025	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2025				<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-18	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997					
6/30/1998					
12/2/1998					
6/8/1999					
12/7/1999					
6/15/2000					
12/12/2000					
12/5/2001					
6/26/2002					
12/3/2002					
6/11/2003					
12/10/2003					
6/15/2004					
12/14/2004					
6/2/2005					
12/14/2005					
4/5/2006					
4/6/2006					
10/30/2006					
5/10/2007					
11/17/2007					
5/2/2008					
5/3/2008					
10/22/2008					
5/5/2009					
5/6/2009					
5/7/2009					
5/12/2009		0.0025 (O)	0.003 (O)		
5/13/2009	0.0042 (O)				
5/14/2009					
12/1/2009					
12/3/2009	<0.005				
12/4/2009		<0.005			
12/5/2009			<0.005		
5/25/2010		<0.005			
5/26/2010	<0.005		<0.005		
6/1/2010					
6/2/2010				<0.005	
11/9/2010	<0.005		<0.005		
11/10/2010		<0.005		<0.005	
5/18/2011					
5/19/2011	<0.005	<0.005		<0.005	
5/24/2011			<0.005		
5/25/2011					
11/9/2011				<0.005	
11/10/2011					
11/11/2011	<0.005				
11/12/2011		<0.005	<0.005		
5/17/2012	<0.005	<0.005			
5/18/2012					
5/30/2012			<0.005	0.0026 (J)	
5/31/2012					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-18	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
11/9/2012	<0.005		<0.005		
11/10/2012		<0.005			
11/11/2012				<0.005	
5/7/2013	<0.005	<0.005			
5/8/2013					
5/9/2013				<0.005	
5/13/2013			<0.005		
11/5/2013		<0.005			
11/6/2013	<0.005		<0.005		
11/11/2013				<0.005	
11/12/2013					
5/20/2014	<0.005				
5/21/2014			<0.005		
5/28/2014		<0.005			
5/29/2014				0.0022 (J)	
11/17/2014			<0.005		
11/18/2014	<0.005				
11/19/2014		<0.005		<0.005	
11/20/2014					
4/7/2015	<0.005		<0.005		
4/14/2015				<0.005	
4/15/2015		<0.005			
10/28/2015	<0.005		<0.005		
10/29/2015		<0.005			
11/3/2015					
11/4/2015				<0.005	
6/23/2016	<0.005			0.0026	
6/24/2016		<0.005	<0.005		
8/30/2016					
8/31/2016				0.0032	
9/1/2016	<0.005	<0.005	<0.005		
9/2/2016					
10/24/2016					
10/25/2016	<0.005		<0.005	<0.005	
10/26/2016		<0.005			
1/23/2017				0.00088 (J)	
1/24/2017					
1/26/2017			<0.005		
1/27/2017	<0.005	<0.005			
4/11/2017			0.00067 (J)	0.00095 (J)	
4/12/2017	<0.005	<0.005			
6/20/2017				0.00099 (J)	
6/21/2017		<0.005	<0.005		
6/22/2017	<0.005				
10/25/2017		<0.005		<0.005	
10/26/2017	<0.005		<0.005		
4/9/2018				<0.005	
4/10/2018			<0.005		
4/11/2018	<0.005	<0.005			
10/16/2018			<0.005	0.00083 (J)	
10/17/2018	<0.005	0.00066 (J)			
3/26/2019					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-18	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
3/27/2019		<0.005		0.0013	
3/28/2019	0.0011 (J)		0.00057 (J)		
3/29/2019					
8/19/2019					
8/20/2019			<0.005		
8/21/2019	0.0004 (J)	0.00033 (J)		0.0013	
10/7/2019				0.00045 (J)	
10/8/2019					
10/9/2019	0.0019	0.0016	0.001		
4/6/2020				<0.005	
4/7/2020					
4/8/2020	<0.005		<0.005		
4/9/2020		<0.005			
8/18/2020					
8/19/2020	<0.005		<0.005	<0.005	
8/20/2020		<0.005			
9/29/2020			<0.005	0.00038 (J)	
9/30/2020		<0.005			
10/1/2020	<0.005				
12/1/2020					<0.005
2/9/2021	<0.005		<0.005		<0.005
2/10/2021		<0.005			
2/11/2021				<0.005	
3/29/2021					0.0014
9/7/2021					
9/8/2021			0.00031 (J)	0.00034 (J)	<0.005
9/9/2021		0.0004 (J)			
9/10/2021	<0.005				
2/1/2022					<0.005
2/2/2022	<0.005			0.00033 (J)	
2/3/2022		<0.005	<0.005		
8/30/2022					
8/31/2022	<0.005		<0.005	<0.005	<0.005
9/2/2022		<0.005			
2/2/2023	<0.005	<0.005	<0.005		<0.005
2/3/2023					
2/7/2023				<0.005	
8/9/2023	<0.005				<0.005
8/10/2023		<0.005	0.00431 (J)	0.00349 (J)	
1/24/2024				<0.005	<0.005
1/25/2024	<0.005	<0.005	<0.005		
8/20/2024					<0.005
8/21/2024	<0.005	<0.005	<0.005		
8/22/2024				<0.005	
2/5/2025	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2025					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-8
12/16/1997	0.032	2.12 (O)							
6/30/1998	0.0284	0.177							
12/2/1998	0.0318	0.115							
6/8/1999	0.0287	0.074							
12/7/1999	0.034	0.043							
6/15/2000	0.106	0.113							
12/12/2000	0.027	0.059							
12/5/2001	0.027	0.052							
6/26/2002	0.032	0.087							
12/3/2002	0.023	0.043							
6/11/2003	0.04	0.24							
12/10/2003	0.024	0.03							
6/15/2004	0.021	0.028							
12/14/2004	0.025	0.017							
6/2/2005	0.025	0.019							
12/14/2005	0.026	0.02	0.027						
4/5/2006	0.027		0.029	0.026					
4/6/2006		0.019							
10/30/2006	0.03	0.016	0.027						
5/10/2007	0.024	0.017	0.025						
11/17/2007	0.026	0.015	0.026						
5/2/2008			0.026						
5/3/2008	0.022	0.017							
10/22/2008	0.027	0.11	0.033						
5/5/2009				0.042					
5/6/2009	0.023				0.065				
5/7/2009		0.13				0.068			
5/12/2009							0.048	0.055	
5/13/2009									
5/14/2009			0.035						0.039
12/1/2009	0.033		0.031						
12/3/2009					0.062	0.044			0.036
12/4/2009		0.019		0.051			0.055	0.036	
12/5/2009									
5/25/2010	0.03				0.038 (O)	0.049	0.063	0.033	
5/26/2010			0.025						0.036
6/1/2010		0.027		0.055					
6/2/2010									
11/9/2010	0.033				0.059		0.11		0.038
11/10/2010		0.025	0.027	0.041		0.052		0.038	
5/18/2011									0.032
5/19/2011								0.028	
5/24/2011	0.027				0.054		0.11		
5/25/2011		0.015	0.022	0.035		0.045			
11/9/2011				0.035					
11/10/2011	0.032				0.063	0.11			
11/11/2011			0.027						0.036
11/12/2011		0.021					0.086	0.092 (O)	
5/17/2012			0.0265					0.0427	0.0353
5/18/2012	0.0311				0.0646				
5/30/2012						0.0831	0.0586		
5/31/2012		0.0222		0.0372					

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-8
11/9/2012	0.034		0.028		0.081	0.13	0.4 (O)		0.038
11/10/2012				0.044				0.038	
11/11/2012		0.022							
5/7/2013								0.03	0.037
5/8/2013	0.026		0.026		0.066		0.054		
5/9/2013						0.059			
5/13/2013		0.019		0.2 (O)					
11/5/2013			0.027					0.087 (O)	0.037
11/6/2013	0.028				0.074		0.043		
11/11/2013						0.12			
11/12/2013		0.025		0.035					
5/20/2014	0.027				0.057		0.051		
5/21/2014			0.028			0.073			0.037
5/28/2014				0.038				0.032	
5/29/2014		0.024							
11/17/2014	0.029		0.031				0.049		
11/18/2014					0.069	0.072			0.038
11/19/2014								0.058	
11/20/2014				0.037					
4/7/2015	0.024		0.029			0.06	0.043		0.045
4/14/2015		0.022		0.035	0.067				
4/15/2015								0.039	
10/28/2015	0.028		0.032			0.057	0.047		0.042
10/29/2015					0.069			0.04	
11/3/2015		0.022		0.038					
11/4/2015									
6/23/2016	0.025	0.019	0.031	0.028	0.063	0.036			0.039
6/24/2016							0.044	0.034	
8/30/2016	0.026				0.062				
8/31/2016		0.018	0.03			0.041			0.037
9/1/2016							0.046	0.033	
9/2/2016				0.074					
10/24/2016					0.0674				
10/25/2016	0.0293	0.016	0.0317			0.0429	0.0436		
10/26/2016				0.0408				0.0339	0.0423
1/23/2017					0.069				
1/24/2017	0.028	0.017				0.025			
1/26/2017			0.035	0.038			0.051		0.046
1/27/2017								0.037	
4/11/2017	0.024	0.016			0.064	0.024	0.043		
4/12/2017			0.034	0.03				0.032	0.041
6/20/2017	0.027	0.02							
6/21/2017				0.028	0.074	0.034	0.043	0.036	0.049
6/22/2017			0.038						
10/25/2017	0.03	0.019	0.038		0.07	0.03		0.041	
10/26/2017				0.029			0.038		0.046
4/9/2018						0.023			
4/10/2018	0.028	0.019	0.038	0.032	0.073		0.046		
4/11/2018								0.04	0.048
10/16/2018	0.027	0.018			0.069	0.028			
10/17/2018			0.038	0.028			0.043	0.039	0.045
3/26/2019						0.029			

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-8
3/27/2019	0.024	0.019		0.032	0.063			0.033	
3/28/2019			0.038				0.045		
3/29/2019									0.045
8/19/2019						0.035			
8/20/2019	0.029	0.02			0.075				
8/21/2019			0.041	0.033			0.05	0.036	0.052
10/7/2019									
10/8/2019	0.03	0.02		0.031	0.078	0.042			
10/9/2019			0.046				0.049	0.039	0.049
4/6/2020									
4/7/2020	0.02	0.018			0.066	0.021			
4/8/2020			0.039	0.03			0.045		
4/9/2020								0.041	0.045
8/18/2020	0.031	0.021	0.044		0.079	0.025	0.062		
8/19/2020				0.028					
8/20/2020								0.041	0.053
9/29/2020	0.03	0.019	0.042	0.03	0.079	0.024	0.056		
9/30/2020								0.041	
10/1/2020									0.052
12/1/2020									
2/9/2021	0.028	0.017		0.029	0.076	0.022	0.051		
2/10/2021			0.041					0.038	0.049
2/11/2021									
3/29/2021									
9/7/2021					0.073	0.031			
9/8/2021	0.033	0.018		0.043			0.058		
9/9/2021								0.046	0.051
9/10/2021			0.045						
2/1/2022	0.033	0.018			0.079	0.018			
2/2/2022							0.062		0.059
2/3/2022			0.051	0.03				0.043	
8/30/2022	0.0446				0.085				
8/31/2022		0.0181	0.0505	0.0325		0.0262			0.0571
9/2/2022							0.0727	0.0369	
2/2/2023			0.0518		0.087			0.0387	0.0554
2/3/2023	0.0484	0.0177		0.0287		0.0166	0.0572		
2/7/2023									
8/9/2023		0.0191			0.1	0.0299	0.0861		
8/10/2023	0.0638		0.054	0.037				0.0415	0.0603
1/24/2024	0.0621	0.0178							
1/25/2024			0.0563	0.0325	0.0833	0.0221	0.0519	0.0404	0.0641
8/20/2024		0.0172			0.0701				
8/21/2024	0.0756		0.0473	0.039		0.0218	0.048	0.0355	0.0585
8/22/2024									
2/5/2025	0.0735	0.017	0.0521		0.0644	0.0164	0.0426	0.0382	0.0601
2/13/2025				0.0229					

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997					
6/30/1998					
12/2/1998					
6/8/1999					
12/7/1999					
6/15/2000					
12/12/2000					
12/5/2001					
6/26/2002					
12/3/2002					
6/11/2003					
12/10/2003					
6/15/2004					
12/14/2004					
6/2/2005					
12/14/2005					
4/5/2006					
4/6/2006					
10/30/2006					
5/10/2007					
11/17/2007					
5/2/2008					
5/3/2008					
10/22/2008					
5/5/2009					
5/6/2009					
5/7/2009					
5/12/2009			0.16 (O)		
5/13/2009	0.15 (O)	0.14 (O)			
5/14/2009					
12/1/2009					
12/3/2009	0.03	0.032			
12/4/2009					
12/5/2009			0.062		
5/25/2010					
5/26/2010	0.029	0.031	0.065		
6/1/2010					
6/2/2010				0.046	
11/9/2010	0.029	0.03	0.065		
11/10/2010				0.057	
5/18/2011					
5/19/2011	0.027	0.028		0.048	
5/24/2011			0.062		
5/25/2011					
11/9/2011				0.045	
11/10/2011					
11/11/2011	0.031	0.032			
11/12/2011			0.067		
5/17/2012	0.0299	0.0319			
5/18/2012					
5/30/2012			0.0767	0.0519	
5/31/2012					

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
11/9/2012	0.03	0.036	0.093		
11/10/2012					
11/11/2012				0.051	
5/7/2013	0.028	0.035			
5/8/2013					
5/9/2013				0.056	
5/13/2013			0.093		
11/5/2013					
11/6/2013	0.033	0.043	0.068		
11/11/2013				0.041	
11/12/2013					
5/20/2014	0.029				
5/21/2014		0.042	0.072		
5/28/2014					
5/29/2014				0.051	
11/17/2014			0.05		
11/18/2014	0.029	0.044			
11/19/2014				0.051	
11/20/2014					
4/7/2015	0.028	0.043	0.055		
4/14/2015				0.043	
4/15/2015					
10/28/2015	0.029	0.045	0.054		
10/29/2015					
11/3/2015					
11/4/2015				0.042	
6/23/2016	0.028	0.043		0.084	
6/24/2016			0.056		
8/30/2016					
8/31/2016		0.042		0.076	
9/1/2016	0.027		0.051		
9/2/2016					
10/24/2016					
10/25/2016	0.0296	0.0455	0.0637	0.039	
10/26/2016					
1/23/2017				0.044	
1/24/2017					
1/26/2017		0.048	0.055		
1/27/2017	0.035				
4/11/2017			0.055	0.038	
4/12/2017	0.031	0.045			
6/20/2017				0.057	
6/21/2017			0.054		
6/22/2017	0.035	0.055			
10/25/2017		0.049		0.05	
10/26/2017	0.032		0.046		
4/9/2018				0.049	
4/10/2018			0.056		
4/11/2018	0.034	0.052			
10/16/2018			0.039	0.06	
10/17/2018	0.031	0.046			
3/26/2019					

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-16	ARGWA-14 (bg)	ARGWA-24 (bg)
3/27/2019				0.054	
3/28/2019	0.031	0.047	0.054		
3/29/2019					
8/19/2019					
8/20/2019			0.046		
8/21/2019	0.035	0.045		0.031	
10/7/2019				0.033	
10/8/2019					
10/9/2019	0.031	0.041	0.057		
4/6/2020				0.051	
4/7/2020					
4/8/2020	0.031		0.042		
4/9/2020		0.044			
8/18/2020					
8/19/2020	0.034	0.046	0.045	0.041	
8/20/2020					
9/29/2020			0.042	0.062	
9/30/2020					
10/1/2020	0.032	0.045			
12/1/2020					0.038
2/9/2021	0.031		0.044		0.036
2/10/2021		0.038			
2/11/2021				0.066	
3/29/2021					0.035
9/7/2021					
9/8/2021			0.035	0.037	0.039
9/9/2021		0.038			
9/10/2021	0.031				
2/1/2022					0.04
2/2/2022	0.034	0.04		0.062	
2/3/2022			0.047		
8/30/2022					
8/31/2022	0.0345	0.0391	0.0383	0.074	0.0412
9/2/2022					
2/2/2023	0.034	0.0391	0.0468		0.0392
2/3/2023					
2/7/2023				0.0376	
8/9/2023	0.0363				0.039
8/10/2023		0.0401	0.0381	0.0465	
1/24/2024				0.093	0.0369
1/25/2024	0.0373	0.0414	0.0476		
8/20/2024					0.0344
8/21/2024	0.0328	0.0363	0.0349		
8/22/2024				0.0563	
2/5/2025	0.0346	0.0381	0.0373	0.0617	0.0353
2/13/2025					

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-15	ARGWA-12 (bg)	ARGWC-16	ARGWC-17	ARGWA-14 (bg)
12/16/1997	<0.001	0.103 (O)					
6/30/1998	<0.001	0.0063 (O)					
12/2/1998	<0.001	<0.001					
6/8/1999	<0.001	<0.001					
12/7/1999	<0.001	<0.001					
6/15/2000	<0.001	<0.001					
12/12/2000	<0.001	<0.001					
12/5/2001	<0.001	0.002					
6/26/2002	<0.001	0.003					
12/3/2002	<0.001	<0.001					
6/11/2003	<0.001	0.0043					
12/10/2003	<0.001	<0.001					
6/15/2004	<0.001	<0.001					
12/14/2004	0.0012	<0.001					
6/2/2005	<0.001	<0.001					
12/14/2005	<0.001	<0.001					
4/5/2006	<0.001		<0.001				
4/6/2006		<0.001					
10/30/2006	<0.001	<0.001					
5/10/2007	<0.001	<0.001					
11/17/2007	<0.001	<0.001					
5/3/2008	<0.001	0.00033					
10/22/2008	<0.001	<0.001					
5/5/2009			<0.001				
5/6/2009	<0.001			<0.001			
5/7/2009		<0.001					
5/12/2009					<0.001	<0.001	
12/1/2009	<0.001						
12/3/2009				<0.001			
12/4/2009		<0.001	<0.001			<0.001	
12/5/2009					<0.001		
5/25/2010	<0.001			<0.001		<0.001	
5/26/2010					<0.001		
6/1/2010		<0.001	<0.001				
6/2/2010							<0.001
11/9/2010	<0.001			<0.001	<0.001	<0.001	
11/10/2010		<0.001	<0.001				<0.001
5/19/2011							<0.001
5/24/2011	<0.001			<0.001	<0.001	<0.001	
5/25/2011		<0.001	<0.001				
11/9/2011			<0.001				<0.001
11/10/2011	<0.001			<0.001			
11/12/2011		<0.001			<0.001	<0.001	
5/18/2012	<0.001			<0.001			
5/30/2012					<0.001	<0.001	<0.001
5/31/2012		<0.001	<0.001				
11/9/2012	<0.001			<0.001	<0.001	0.0015	
11/10/2012			<0.001				
11/11/2012		<0.001					<0.001
5/8/2013	<0.001			<0.001		<0.001	
5/9/2013							<0.001
5/13/2013		<0.001	<0.001		<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-15	ARGWA-12 (bg)	ARGWC-16	ARGWC-17	ARGWA-14 (bg)
11/6/2013	<0.001			<0.001	<0.001	<0.001	
11/11/2013							<0.001
11/12/2013		<0.001	<0.001				
5/20/2014	<0.001			<0.001		<0.001	
5/21/2014					<0.001		
5/28/2014			0.00026 (J)				
5/29/2014		<0.001					<0.001
11/17/2014	<0.001				<0.001	<0.001	
11/18/2014				<0.001			
11/19/2014							<0.001
11/20/2014			<0.001				
4/7/2015	<0.001				<0.001	<0.001	
4/14/2015		<0.001	<0.001	0.00026 (J)			<0.001
10/28/2015	<0.001				<0.001	<0.001	
10/29/2015				<0.001			
11/3/2015		<0.001	<0.001				
11/4/2015							<0.001
6/23/2016	<0.001	<0.001	<0.001	<0.001			<0.001
6/24/2016					<0.001	<0.001	
8/30/2016	<0.001			<0.001			
8/31/2016		<0.001					0.00039 (J)
9/1/2016					<0.001	<0.001	
9/2/2016			<0.001				
10/24/2016				<0.001			
10/25/2016	<0.001	<0.001			0.0001 (J)	0.0001 (J)	<0.001
10/26/2016			<0.001				
1/23/2017				<0.001			<0.001
1/24/2017	<0.001	<0.001					
1/26/2017			<0.001		<0.001	<0.001	
4/11/2017	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
4/12/2017			<0.001				
6/20/2017	<0.001	<0.001					<0.001
6/21/2017			<0.001	<0.001	<0.001	<0.001	
10/25/2017	<0.001	<0.001		<0.001			<0.001
10/26/2017			<0.001		<0.001	<0.001	
4/9/2018							0.00052 (J)
4/10/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
10/16/2018	<0.001	<0.001		<0.001	<0.001		0.00071 (J)
10/17/2018			<0.001			<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001			<0.001
3/28/2019					<0.001	<0.001	
8/20/2019	<0.001	0.00014 (J)		<0.001	<0.001		
8/21/2019			<0.001			0.00013 (J)	0.00015 (J)
10/7/2019							<0.001
10/8/2019	<0.001	<0.001	<0.001	<0.001			
10/9/2019					<0.001	0.00018 (J)	
4/6/2020							<0.001
4/7/2020	<0.001	<0.001		<0.001			
4/8/2020			<0.001		<0.001	<0.001	
8/18/2020	<0.001	<0.001		<0.001		<0.001	
8/19/2020			<0.001		<0.001		<0.001
9/29/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00023 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-15	ARGWA-12 (bg)	ARGWC-16	ARGWC-17	ARGWA-14 (bg)
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/11/2021							<0.001
9/7/2021				<0.001			
9/8/2021	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/1/2022	<0.001	<0.001		<0.001			
2/2/2022						0.0003 (J)	<0.001
2/3/2022			<0.001		<0.001		
8/30/2022	<0.001			<0.001			
8/31/2022		<0.001	<0.001		<0.001		<0.001
9/2/2022						<0.001	
2/2/2023				<0.001	<0.001		
2/3/2023	<0.001	<0.001	<0.001			<0.001	
2/7/2023							<0.001
8/9/2023		<0.001		<0.001		0.000445 (J)	
8/10/2023	<0.001		<0.001		<0.001		<0.001
1/24/2024	<0.001	<0.001					<0.001
1/25/2024			<0.001	<0.001	<0.001	<0.001	
8/20/2024		<0.001		<0.001			
8/21/2024	<0.001		<0.001		<0.001	<0.001	
8/22/2024							<0.001
2/5/2025	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
2/13/2025			<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
12/16/1997	<0.002	0.162 (O)							
6/30/1998	<0.002	0.013							
12/2/1998	0.002	0.01							
6/8/1999	<0.002	0.004							
12/7/1999	<0.002	0.004							
6/15/2000	<0.002	0.004							
12/12/2000	<0.002	0.00378							
12/5/2001	<0.002	0.00335							
6/26/2002	0.00539	0.00815							
12/3/2002	<0.002	0.008							
6/11/2003	<0.002	<0.002							
12/10/2003	<0.002	<0.002							
6/15/2004	<0.002	<0.002							
12/14/2004	0.013 (O)	<0.002							
6/2/2005	<0.002	<0.002							
12/14/2005	<0.002	<0.002	<0.002						
4/5/2006	<0.002		<0.002	<0.002					
4/6/2006		<0.002							
10/30/2006	<0.002	<0.002	<0.002						
5/10/2007	<0.002	<0.002	0.0032						
11/17/2007	<0.002	<0.002	<0.002						
5/2/2008			0.008 (O)						
5/3/2008	<0.002	<0.002							
10/22/2008	<0.002	<0.002	<0.002						
5/5/2009				<0.002					
5/6/2009	<0.002				<0.002				
5/7/2009		<0.002				<0.002			
5/12/2009							<0.002	<0.002	<0.002
5/13/2009									
5/14/2009			0.00083						
12/1/2009	<0.002		<0.002						
12/3/2009					<0.002	<0.002			
12/4/2009		<0.002		<0.002			<0.002		<0.002
12/5/2009								<0.002	
5/25/2010	<0.002				<0.002	<0.002	<0.002		<0.002
5/26/2010			<0.002					<0.002	
6/1/2010		<0.002		<0.002					
6/2/2010									
11/9/2010	<0.002				<0.002		<0.002	<0.002	
11/10/2010		<0.002	<0.002	<0.002		<0.002			<0.002
5/18/2011									
5/19/2011									<0.002
5/24/2011	<0.002				<0.002		<0.002	<0.002	
5/25/2011		<0.002	<0.002	<0.002		<0.002			
11/9/2011				<0.002					
11/10/2011	<0.002				<0.002	<0.002			
11/11/2011			<0.002						
11/12/2011		<0.002					<0.002	<0.002	<0.002
5/17/2012			<0.002						<0.002
5/18/2012	<0.002				<0.002				
5/30/2012						<0.002	<0.002	<0.002	
5/31/2012		0.0005 (J)		0.0008 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
11/9/2012	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	
11/10/2012				<0.002					<0.002
11/11/2012		<0.002							
5/7/2013									<0.002
5/8/2013	<0.002		<0.002		<0.002		<0.002		
5/9/2013						<0.002			
5/13/2013		<0.002		0.025 (O)				<0.002	
11/5/2013			<0.002						<0.002
11/6/2013	<0.002				<0.002		<0.002	<0.002	
11/11/2013						<0.002			
11/12/2013		<0.002		<0.002					
5/20/2014	<0.002				<0.002		<0.002		
5/21/2014			<0.002			<0.002		<0.002	
5/28/2014				<0.002					<0.002
5/29/2014		<0.002							
11/17/2014	<0.002		<0.002				<0.002	<0.002	
11/18/2014					<0.002	<0.002			
11/19/2014									<0.002
11/20/2014				<0.002					
4/7/2015	<0.002		<0.002			<0.002	<0.002	<0.002	
4/14/2015		<0.002		<0.002	<0.002				
4/15/2015									<0.002
10/28/2015	<0.002		<0.002			<0.002	<0.002	<0.002	
10/29/2015					<0.002				<0.002
11/3/2015		<0.002		<0.002					
11/4/2015									
6/23/2016	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
6/24/2016							<0.002	<0.002	<0.002
8/30/2016	<0.002				<0.002				
8/31/2016		<0.002	<0.002			<0.002			
9/1/2016							<0.002	<0.002	<0.002
9/2/2016				0.0056					
10/24/2016					0.0002 (J)				
10/25/2016	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	
10/26/2016				0.0003 (J)					0.0002 (J)
1/23/2017					<0.002				
1/24/2017	<0.002	<0.002				<0.002			
1/26/2017			<0.002	<0.002			<0.002	<0.002	
1/27/2017									<0.002
4/11/2017	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002	
4/12/2017			<0.002	<0.002					<0.002
6/20/2017	<0.002	<0.002							
6/21/2017				<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
6/22/2017			<0.002						
10/25/2017	<0.002	<0.002	<0.002		<0.002	<0.002			<0.002
10/26/2017				<0.002			<0.002	<0.002	
4/9/2018						<0.002			
4/10/2018	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	
4/11/2018									<0.002
10/16/2018	<0.002	<0.002			<0.002	<0.002		<0.002	
10/17/2018			<0.002	0.0016			<0.002		<0.002
3/26/2019						<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
3/27/2019	<0.002	<0.002		<0.002	<0.002				<0.002
3/28/2019			<0.002				<0.002	<0.002	
3/29/2019									
8/19/2019						<0.002			
8/20/2019	0.00014 (J)	0.00014 (J)			<0.002			<0.002	
8/21/2019			<0.002	<0.002			<0.002		<0.002
10/7/2019									
10/8/2019	0.00016 (J)	0.001		<0.002	<0.002	0.00013 (J)			
10/9/2019			<0.002				<0.002	<0.002	<0.002
4/6/2020									
4/7/2020	<0.002	<0.002			<0.002	<0.002			
4/8/2020			<0.002	<0.002			<0.002	<0.002	
4/9/2020									<0.002
5/27/2020									
8/18/2020	0.00013 (J)	0.00019 (J)	<0.002		<0.002	<0.002	<0.002		
8/19/2020				<0.002				<0.002	
8/20/2020									0.00028 (J)
9/29/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
9/30/2020									0.0002 (J)
10/1/2020									
2/9/2021	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	
2/10/2021			<0.002						<0.002
2/11/2021									
9/7/2021					<0.002	<0.002			
9/8/2021	<0.002	<0.002		0.0016			0.00022 (J)	<0.002	
9/9/2021									0.00031 (J)
9/10/2021			<0.002						
2/1/2022	<0.002	<0.002			<0.002	<0.002			
2/2/2022							<0.002		
2/3/2022			<0.002	<0.002				0.00021 (J)	<0.002
8/30/2022	<0.002				<0.002				
8/31/2022		<0.002	<0.002	<0.002		<0.002		<0.002	
9/2/2022							<0.002		<0.002
2/2/2023			<0.002		<0.002			<0.002	<0.002
2/3/2023	<0.002	<0.002		<0.002		<0.002	<0.002		
2/7/2023									
8/9/2023		<0.002			<0.002	<0.002	<0.002		
8/10/2023	<0.002		<0.002	0.000841 (J)				<0.002	<0.002
1/24/2024	<0.002	<0.002							
1/25/2024			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/20/2024		<0.002			<0.002				
8/21/2024	<0.002		<0.002	0.000948 (J)		<0.002	<0.002	<0.002	<0.002
8/22/2024									
2/5/2025	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2025				<0.002					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)
12/16/1997				
6/30/1998				
12/2/1998				
6/8/1999				
12/7/1999				
6/15/2000				
12/12/2000				
12/5/2001				
6/26/2002				
12/3/2002				
6/11/2003				
12/10/2003				
6/15/2004				
12/14/2004				
6/2/2005				
12/14/2005				
4/5/2006				
4/6/2006				
10/30/2006				
5/10/2007				
11/17/2007				
5/2/2008				
5/3/2008				
10/22/2008				
5/5/2009				
5/6/2009				
5/7/2009				
5/12/2009				
5/13/2009	<0.002	<0.002		
5/14/2009			<0.002	
12/1/2009				
12/3/2009	<0.002	<0.002	<0.002	
12/4/2009				
12/5/2009				
5/25/2010				
5/26/2010	<0.002	<0.002	<0.002	
6/1/2010				
6/2/2010				<0.002
11/9/2010	<0.002	<0.002	<0.002	
11/10/2010				<0.002
5/18/2011			<0.002	
5/19/2011	<0.002	<0.002		<0.002
5/24/2011				
5/25/2011				
11/9/2011				<0.002
11/10/2011				
11/11/2011	<0.002	<0.002	<0.002	
11/12/2011				
5/17/2012	<0.002	<0.002	<0.002	
5/18/2012				
5/30/2012				<0.002
5/31/2012				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)
11/9/2012	<0.002	<0.002	<0.002	
11/10/2012				
11/11/2012				<0.002
5/7/2013	<0.002	<0.002	<0.002	
5/8/2013				
5/9/2013				<0.002
5/13/2013				
11/5/2013			<0.002	
11/6/2013	<0.002	<0.002		
11/11/2013				<0.002
11/12/2013				
5/20/2014	<0.002			
5/21/2014		<0.002	<0.002	
5/28/2014				
5/29/2014				<0.002
11/17/2014				
11/18/2014	<0.002	<0.002	<0.002	
11/19/2014				<0.002
11/20/2014				
4/7/2015	<0.002	<0.002	<0.002	
4/14/2015				<0.002
4/15/2015				
10/28/2015	<0.002	<0.002	<0.002	
10/29/2015				
11/3/2015				
11/4/2015				<0.002
6/23/2016	<0.002	<0.002	<0.002	<0.002
6/24/2016				
8/30/2016				
8/31/2016		<0.002	<0.002	<0.002
9/1/2016	<0.002			
9/2/2016				
10/24/2016				
10/25/2016	<0.002	<0.002		<0.002
10/26/2016			<0.002	
1/23/2017				0.0013
1/24/2017				
1/26/2017		<0.002	<0.002	
1/27/2017	<0.002			
4/11/2017				<0.002
4/12/2017	<0.002	<0.002	<0.002	
6/20/2017				<0.002
6/21/2017			<0.002	
6/22/2017	<0.002	<0.002		
10/25/2017		<0.002		<0.002
10/26/2017	<0.002		<0.002	
4/9/2018				<0.002
4/10/2018				
4/11/2018	<0.002	<0.002	<0.002	
10/16/2018				<0.002
10/17/2018	<0.002	<0.002	<0.002	
3/26/2019				

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)
3/27/2019				<0.002
3/28/2019	<0.002	<0.002		
3/29/2019			<0.002	
8/19/2019				
8/20/2019				
8/21/2019	<0.002	<0.002	<0.002	0.00019 (J)
10/7/2019				<0.002
10/8/2019				
10/9/2019	<0.002	0.00016 (J)	0.00019 (J)	
4/6/2020				<0.002
4/7/2020				
4/8/2020	0.031			
4/9/2020		<0.002	<0.002	
5/27/2020	0.00014 (J)			
8/18/2020				
8/19/2020	0.00013 (J)	<0.002		<0.002
8/20/2020			<0.002	
9/29/2020				<0.002
9/30/2020				
10/1/2020	<0.002	<0.002	<0.002	
2/9/2021	<0.002			
2/10/2021		<0.002	<0.002	
2/11/2021				<0.002
9/7/2021				
9/8/2021				<0.002
9/9/2021		<0.002	<0.002	
9/10/2021	<0.002			
2/1/2022				
2/2/2022	<0.002	<0.002	0.00024 (J)	<0.002
2/3/2022				
8/30/2022				
8/31/2022	<0.002	<0.002	<0.002	<0.002
9/2/2022				
2/2/2023	<0.002	<0.002	<0.002	
2/3/2023				
2/7/2023				<0.002
8/9/2023	<0.002			
8/10/2023		<0.002	<0.002	<0.002
1/24/2024				<0.002
1/25/2024	<0.002	<0.002	<0.002	
8/20/2024				
8/21/2024	<0.002	<0.002	<0.002	
8/22/2024				<0.002
2/5/2025	<0.002	<0.002	<0.002	<0.002
2/13/2025				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWC-18
12/16/1997	<0.005	<0.005							
6/30/1998	<0.005	<0.005							
12/2/1998	<0.005	<0.005							
6/8/1999	<0.005	<0.005							
12/7/1999	<0.005	<0.005							
6/15/2000	<0.005	<0.005							
12/12/2000	<0.005	<0.005							
12/5/2001	<0.005	<0.005							
6/26/2002	<0.005	<0.005							
12/3/2002	<0.005	<0.005							
6/11/2003	<0.005	<0.005							
12/10/2003	<0.005	<0.005							
6/15/2004	<0.005	<0.005							
12/14/2004	<0.005	<0.005							
6/2/2005	<0.005	<0.005							
12/14/2005	<0.005	<0.005	<0.005						
4/5/2006		<0.005	<0.005	<0.005					
4/6/2006	<0.005								
10/30/2006	<0.005	<0.005	<0.005						
5/10/2007	<0.005	<0.005	<0.005						
11/17/2007	<0.005	<0.005	<0.005						
5/2/2008			<0.005						
5/3/2008	<0.005	<0.005							
10/22/2008	<0.005	<0.005	<0.005						
5/5/2009				0.0041					
5/6/2009		0.0047			0.0054				
5/7/2009	0.0049					0.0059			
5/12/2009							0.0062	0.0059	0.0039
5/13/2009									
5/14/2009			0.0046						
12/1/2009		0.0046	0.0019						
12/3/2009					0.006	0.0057			
12/4/2009	<0.005			<0.005				<0.005	<0.005
12/5/2009							<0.005		
5/25/2010		<0.005			<0.005	<0.005		<0.005	<0.005
5/26/2010			<0.005				<0.005		
6/1/2010	<0.005			<0.005					
6/2/2010									
11/9/2010		<0.005			<0.005		<0.005	<0.005	
11/10/2010	<0.005		<0.005	<0.005		<0.005			<0.005
5/18/2011									
5/19/2011									<0.005
5/24/2011		<0.005			<0.005		<0.005	<0.005	
5/25/2011	<0.005		<0.005	<0.005		<0.005			
11/9/2011				<0.005					
11/10/2011		<0.005			<0.005	<0.005			
11/11/2011			<0.005						
11/12/2011	<0.005						<0.005	<0.005	<0.005
5/17/2012			<0.005						0.0006 (J)
5/18/2012		<0.005			<0.005				
5/30/2012						<0.005	0.0016 (J)	<0.005	
5/31/2012	<0.005			<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWC-18
11/9/2012		<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	
11/10/2012				<0.005					<0.005
11/11/2012	<0.005								
5/7/2013									<0.005
5/8/2013		<0.005	<0.005		<0.005			<0.005	
5/9/2013						<0.005			
5/13/2013	<0.005			<0.005			<0.005		
11/5/2013			<0.005						<0.005
11/6/2013		<0.005			<0.005		<0.005	<0.005	
11/11/2013						<0.005			
11/12/2013	<0.005			<0.005					
5/20/2014		<0.005			<0.005			<0.005	
5/21/2014			<0.005			<0.005	<0.005		
5/28/2014				<0.005					<0.005
5/29/2014	<0.005								
11/17/2014		<0.005	<0.005				<0.005	<0.005	
11/18/2014					<0.005	0.0083			
11/19/2014									<0.005
11/20/2014				<0.005					
4/7/2015		<0.005	<0.005			<0.005	<0.005	<0.005	
4/14/2015	<0.005			<0.005	<0.005				
4/15/2015									<0.005
10/28/2015		<0.005	<0.005			0.023	<0.005	<0.005	
10/29/2015					<0.005				<0.005
11/3/2015	<0.005			<0.005					
11/4/2015									
6/23/2016	<0.005	<0.005	0.00029 (J)	<0.005	<0.005	0.0096			
6/24/2016							0.0014	<0.005	<0.005
8/30/2016		<0.005			<0.005				
8/31/2016	<0.005		<0.005			0.017			
9/1/2016							0.0014	<0.005	<0.005
9/2/2016				0.0005 (J)					
10/24/2016					<0.005				
10/25/2016	<0.005	<0.005	<0.005			0.0257	0.0015 (J)	<0.005	
10/26/2016				<0.005					<0.005
1/23/2017					<0.005				
1/24/2017	<0.005	<0.005				0.0097			
1/26/2017			<0.005	<0.005			0.00071 (J)	<0.005	
1/27/2017									<0.005
4/11/2017	<0.005	<0.005			<0.005	0.0079	0.0011 (J)	<0.005	
4/12/2017			<0.005	<0.005					<0.005
6/20/2017	<0.005	<0.005							
6/21/2017				<0.005	0.00025 (J)	0.019	0.00075 (J)	<0.005	<0.005
6/22/2017			<0.005						
10/25/2017	0.00032 (J)	0.00027 (J)	<0.005		0.00027 (J)	0.022			<0.005
10/26/2017				0.0004 (J)			0.0012 (J)	<0.005	
4/9/2018						0.0063			
4/10/2018	<0.005	<0.005	<0.005	0.00044 (J)	0.00033 (J)		0.0013	<0.005	
4/11/2018									<0.005
10/16/2018	<0.005	<0.005			<0.005	0.021	0.00072 (J)		
10/17/2018			<0.005	<0.005				<0.005	<0.005
3/26/2019						0.015			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWC-18
3/27/2019	<0.005	<0.005		<0.005	<0.005				<0.005
3/28/2019			<0.005				0.0017	<0.005	
3/29/2019									
8/19/2019						0.034			
8/20/2019	<0.005	<0.005			<0.005		<0.005		
8/21/2019			<0.005	<0.005				<0.005	<0.005
10/7/2019									
10/8/2019	<0.005	<0.005		<0.005	<0.005	0.03			
10/9/2019			<0.005				0.0018 (J)	<0.005	<0.005
4/6/2020									
4/7/2020	<0.005	<0.005			<0.005	0.0094			
4/8/2020			<0.005	<0.005			0.0022 (J)	<0.005	
4/9/2020									<0.005
8/18/2020	<0.005	<0.005	<0.005		<0.005	0.019		<0.005	
8/19/2020				<0.005			0.0029 (J)		
8/20/2020									<0.005
9/29/2020	<0.005	<0.005	<0.005	<0.005	<0.005	0.021	0.0025 (J)	<0.005	
9/30/2020									<0.005
10/1/2020									
2/9/2021	<0.005	<0.005		<0.005	<0.005	0.019	0.0019 (J)	<0.005	
2/10/2021			<0.005						<0.005
2/11/2021									
9/7/2021					<0.005	0.032			
9/8/2021	<0.005	<0.005		<0.005			0.0024 (J)	<0.005	
9/9/2021									<0.005
9/10/2021			0.0028 (J)						
2/1/2022	<0.005	<0.005			<0.005	0.013			
2/2/2022								0.00076 (J)	
2/3/2022			<0.005	<0.005			0.0032 (J)		<0.005
8/30/2022		<0.005			<0.005				
8/31/2022	<0.005		<0.005	<0.005		0.0259	0.00287 (J)		
9/2/2022								<0.005	<0.005
2/2/2023			<0.005		<0.005		0.00466 (J)		<0.005
2/3/2023	<0.005	<0.005		<0.005		0.00739		<0.005	
2/7/2023									
8/9/2023	<0.005				<0.005	0.0279		0.00231 (J)	
8/10/2023		<0.005	<0.005	<0.005			0.00421 (J)		<0.005
1/24/2024	<0.005	<0.005							
1/25/2024			<0.005	<0.005	<0.005	0.0173	0.00555	<0.005	<0.005
8/20/2024	<0.005				<0.005				
8/21/2024		<0.005	<0.005	<0.005		0.0209	0.00497 (J)	<0.005	<0.005
8/22/2024									
2/5/2025	<0.005	<0.005	<0.005		<0.005	0.00676	0.00451 (J)	<0.005	<0.005
2/13/2025				<0.005					

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)
12/16/1997				
6/30/1998				
12/2/1998				
6/8/1999				
12/7/1999				
6/15/2000				
12/12/2000				
12/5/2001				
6/26/2002				
12/3/2002				
6/11/2003				
12/10/2003				
6/15/2004				
12/14/2004				
6/2/2005				
12/14/2005				
4/5/2006				
4/6/2006				
10/30/2006				
5/10/2007				
11/17/2007				
5/2/2008				
5/3/2008				
10/22/2008				
5/5/2009				
5/6/2009				
5/7/2009				
5/12/2009				
5/13/2009	0.005	0.0049		
5/14/2009			0.0035	
12/1/2009				
12/3/2009	0.0057	0.0045	<0.005	
12/4/2009				
12/5/2009				
5/25/2010				
5/26/2010	<0.005	<0.005	<0.005	
6/1/2010				
6/2/2010				<0.005
11/9/2010	<0.005	<0.005	<0.005	
11/10/2010				<0.005
5/18/2011			<0.005	
5/19/2011	<0.005	<0.005		<0.005
5/24/2011				
5/25/2011				
11/9/2011				<0.005
11/10/2011				
11/11/2011	<0.005	<0.005	<0.005	
11/12/2011				
5/17/2012	<0.005	<0.005	<0.005	
5/18/2012				
5/30/2012				<0.005
5/31/2012				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)
11/9/2012	<0.005	<0.005	<0.005	
11/10/2012				
11/11/2012				<0.005
5/7/2013	<0.005	<0.005	<0.005	
5/8/2013				
5/9/2013				<0.005
5/13/2013				
11/5/2013			<0.005	
11/6/2013	<0.005	<0.005		
11/11/2013				<0.005
11/12/2013				
5/20/2014	<0.005			
5/21/2014		<0.005	<0.005	
5/28/2014				
5/29/2014				<0.005
11/17/2014				
11/18/2014	<0.005	<0.005	<0.005	
11/19/2014				<0.005
11/20/2014				
4/7/2015	<0.005	<0.005	<0.005	
4/14/2015				<0.005
4/15/2015				
10/28/2015	<0.005	<0.005	<0.005	
10/29/2015				
11/3/2015				
11/4/2015				<0.005
6/23/2016	<0.005	<0.005	<0.005	<0.005
6/24/2016				
8/30/2016				
8/31/2016		0.00024 (J)	<0.005	0.00077 (J)
9/1/2016	<0.005			
9/2/2016				
10/24/2016				
10/25/2016	<0.005	<0.005		<0.005
10/26/2016			<0.005	
1/23/2017				0.00037 (J)
1/24/2017				
1/26/2017		<0.005	<0.005	
1/27/2017	<0.005			
4/11/2017				<0.005
4/12/2017	<0.005	<0.005	<0.005	
6/20/2017				0.00044 (J)
6/21/2017			<0.005	
6/22/2017	<0.005	<0.005		
10/25/2017		0.00029 (J)		0.00038 (J)
10/26/2017	<0.005		<0.005	
4/9/2018				<0.005
4/10/2018				
4/11/2018	<0.005	<0.005	<0.005	
10/16/2018				<0.005
10/17/2018	<0.005	<0.005	<0.005	
3/26/2019				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)
3/27/2019				<0.005
3/28/2019	<0.005	<0.005		
3/29/2019			<0.005	
8/19/2019				
8/20/2019				
8/21/2019	<0.005	<0.005	<0.005	<0.005
10/7/2019				<0.005
10/8/2019				
10/9/2019	<0.005	<0.005	<0.005	
4/6/2020				<0.005
4/7/2020				
4/8/2020	<0.005			
4/9/2020		<0.005	<0.005	
8/18/2020				
8/19/2020	<0.005	<0.005		<0.005
8/20/2020			<0.005	
9/29/2020				<0.005
9/30/2020				
10/1/2020	<0.005	<0.005	<0.005	
2/9/2021	<0.005			
2/10/2021		<0.005	<0.005	
2/11/2021				<0.005
9/7/2021				
9/8/2021				<0.005
9/9/2021		<0.005	<0.005	
9/10/2021	0.0017 (J)			
2/1/2022				
2/2/2022	<0.005	<0.005	<0.005	<0.005
2/3/2022				
8/30/2022				
8/31/2022	<0.005	<0.005	<0.005	<0.005
9/2/2022				
2/2/2023	<0.005	<0.005	<0.005	
2/3/2023				
2/7/2023				<0.005
8/9/2023	<0.005			
8/10/2023		<0.005	<0.005	<0.005
1/24/2024				<0.005
1/25/2024	<0.005	<0.005	<0.005	
8/20/2024				
8/21/2024	<0.005	<0.005	<0.005	
8/22/2024				<0.005
2/5/2025	<0.005	<0.005	<0.005	<0.005
2/13/2025				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWC-18
12/16/1997	<0.001	0.035 (O)							
6/30/1998	<0.001	<0.001							
12/2/1998	<0.001	<0.001							
6/8/1999	<0.001	<0.001							
12/7/1999	<0.001	<0.001							
6/15/2000	<0.001	<0.001							
12/12/2000	<0.001	0.0051							
12/5/2001	<0.001	<0.001							
6/26/2002	<0.001	<0.001							
12/3/2002	<0.001	<0.001							
6/11/2003	<0.001	<0.001							
12/10/2003	0.002 (O)	0.003							
6/15/2004	<0.001	<0.001							
12/14/2004	<0.001	<0.001							
6/2/2005	<0.001	<0.001							
12/14/2005	<0.001	<0.001	<0.001						
4/5/2006	<0.001		<0.001	<0.001					
4/6/2006		<0.001							
10/30/2006	0.002	<0.001	<0.001						
5/10/2007	<0.001	0.0017	0.0011						
11/17/2007	<0.001	<0.001	<0.001						
5/2/2008			<0.001						
5/3/2008	<0.001	<0.001							
10/22/2008	<0.001	<0.001	<0.001						
5/5/2009				<0.001					
5/6/2009	<0.001				<0.001				
5/7/2009		<0.001				<0.001			
5/12/2009							0.0011	0.0011	<0.001
5/13/2009									
5/14/2009			<0.001						
12/1/2009	<0.001		<0.001						
12/3/2009					<0.001	<0.001			
12/4/2009		<0.001		0.00098				0.0014	0.0008
12/5/2009							0.0004		
5/25/2010	<0.001				<0.001	<0.001		<0.001	<0.001
5/26/2010			<0.001				<0.001		
6/1/2010		<0.001		<0.001					
6/2/2010									
11/9/2010	<0.001				<0.001		<0.001	<0.001	
11/10/2010		<0.001	<0.001	<0.001		<0.001			<0.001
5/19/2011									<0.001
5/24/2011	<0.001				<0.001		<0.001	<0.001	
5/25/2011		<0.001	<0.001	<0.001		<0.001			
5/17/2012			<0.001						<0.001
5/18/2012	<0.001				0.0001 (J)				
5/30/2012						<0.001	<0.001	<0.001	
5/31/2012		<0.001		<0.001					
11/9/2012	<0.001		<0.001		<0.001	<0.001	<0.001	<0.001	
11/10/2012				<0.001					<0.001
11/11/2012		<0.001							
5/7/2013									<0.001
5/8/2013	<0.001		<0.001		<0.001			<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWC-18
5/9/2013						<0.001			
5/13/2013		<0.001		<0.001			<0.001		
11/5/2013			<0.001						<0.001
11/6/2013	<0.001				<0.001		<0.001	<0.001	
11/11/2013						<0.001			
11/12/2013		<0.001		<0.001					
5/20/2014	<0.001				<0.001			<0.001	
5/21/2014			<0.001			<0.001	<0.001		
5/28/2014				<0.001					<0.001
5/29/2014		<0.001							
11/17/2014	<0.001		<0.001				<0.001	<0.001	
11/18/2014					<0.001	<0.001			
11/19/2014									<0.001
11/20/2014				<0.001					
4/7/2015	<0.001		<0.001			<0.001	<0.001	<0.001	
4/14/2015		<0.001		<0.001	<0.001				
4/15/2015									<0.001
10/28/2015	<0.001		<0.001			<0.001	<0.001	<0.001	
10/29/2015					<0.001				<0.001
11/3/2015		<0.001		<0.001					
11/4/2015									
6/23/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
6/24/2016							<0.001	<0.001	<0.001
10/24/2016					<0.001				
10/25/2016	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	
10/26/2016				<0.001					<0.001
4/11/2017	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	
4/12/2017			<0.001	<0.001					<0.001
10/25/2017	<0.001	<0.001	<0.001		<0.001	0.00013 (J)			<0.001
10/26/2017				0.00037 (J)			0.00026 (J)	<0.001	
4/9/2018						<0.001			
4/10/2018	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	
4/11/2018									<0.001
10/16/2018	<0.001	<0.001			<0.001	<0.001	<0.001		
10/17/2018			<0.001	<0.001				<0.001	<0.001
3/26/2019						<0.001			
3/27/2019	<0.001	<0.001		<0.001	<0.001				<0.001
3/28/2019			<0.001				<0.001	<0.001	
10/7/2019									
10/8/2019	0.0003 (J)	0.00019 (J)		0.00018 (J)	<0.001	0.00047 (J)			
10/9/2019			<0.001				<0.001	<0.001	<0.001
4/6/2020									
4/7/2020	<0.001	<0.001			<0.001	<0.001			
4/8/2020			<0.001	<0.001			<0.001	<0.001	
4/9/2020									<0.001
9/29/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9/30/2020									<0.001
10/1/2020									
2/9/2021	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	
2/10/2021			<0.001						<0.001
2/11/2021									
9/7/2021					<0.001	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-16	ARGWC-17	ARGWC-18
9/8/2021	<0.001	<0.001		<0.001			<0.001	<0.001	
9/9/2021									<0.001
9/10/2021			<0.001						
2/1/2022	<0.001	<0.001			<0.001	<0.001			
2/2/2022								<0.001	
2/3/2022			<0.001	<0.001			<0.001		<0.001
8/30/2022	<0.001				<0.001				
8/31/2022		<0.001	<0.001	<0.001		<0.001	<0.001		
9/2/2022								<0.001	<0.001
2/2/2023			<0.001		<0.001		<0.001		<0.001
2/3/2023	<0.001	<0.001		<0.001		<0.001		<0.001	
2/7/2023									
8/9/2023		<0.001			<0.001	<0.001		<0.001	
8/10/2023	<0.001		<0.001	<0.001			<0.001		<0.001
1/24/2024	<0.001	<0.001							
1/25/2024			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/20/2024		<0.001			<0.001				
8/21/2024	<0.001		<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
8/22/2024									
2/5/2025	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2025				<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWA-14 (bg)
12/16/1997			
6/30/1998			
12/2/1998			
6/8/1999			
12/7/1999			
6/15/2000			
12/12/2000			
12/5/2001			
6/26/2002			
12/3/2002			
6/11/2003			
12/10/2003			
6/15/2004			
12/14/2004			
6/2/2005			
12/14/2005			
4/5/2006			
4/6/2006			
10/30/2006			
5/10/2007			
11/17/2007			
5/2/2008			
5/3/2008			
10/22/2008			
5/5/2009			
5/6/2009			
5/7/2009			
5/12/2009			
5/13/2009	0.0009	0.0024 (O)	
5/14/2009			
12/1/2009			
12/3/2009	0.00083	0.0007	
12/4/2009			
12/5/2009			
5/25/2010			
5/26/2010	<0.001	<0.001	
6/1/2010			
6/2/2010			<0.001
11/9/2010	<0.001	<0.001	
11/10/2010			<0.001
5/19/2011	<0.001	<0.001	<0.001
5/24/2011			
5/25/2011			
5/17/2012	<0.001	<0.001	
5/18/2012			
5/30/2012			<0.001
5/31/2012			
11/9/2012	<0.001	<0.001	
11/10/2012			
11/11/2012			<0.001
5/7/2013	<0.001	<0.001	
5/8/2013			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWA-14 (bg)
5/9/2013			<0.001
5/13/2013			
11/5/2013			
11/6/2013	<0.001	<0.001	
11/11/2013			<0.001
11/12/2013			
5/20/2014	<0.001		
5/21/2014		<0.001	
5/28/2014			
5/29/2014			<0.001
11/17/2014			
11/18/2014	<0.001	<0.001	
11/19/2014			<0.001
11/20/2014			
4/7/2015	<0.001	<0.001	
4/14/2015			<0.001
4/15/2015			
10/28/2015	<0.001	<0.001	
10/29/2015			
11/3/2015			
11/4/2015			<0.001
6/23/2016	<0.001	<0.001	<0.001
6/24/2016			
10/24/2016			
10/25/2016	<0.001	<0.001	<0.001
10/26/2016			
4/11/2017			<0.001
4/12/2017	<0.001	<0.001	
10/25/2017		<0.001	<0.001
10/26/2017	<0.001		
4/9/2018			<0.001
4/10/2018			
4/11/2018	<0.001	<0.001	
10/16/2018			<0.001
10/17/2018	<0.001	<0.001	
3/26/2019			
3/27/2019			<0.001
3/28/2019	<0.001	<0.001	
10/7/2019			0.00022 (J)
10/8/2019			
10/9/2019	<0.001	<0.001	
4/6/2020			<0.001
4/7/2020			
4/8/2020	<0.001		
4/9/2020		<0.001	
9/29/2020			<0.001
9/30/2020			
10/1/2020	<0.001	<0.001	
2/9/2021	<0.001		
2/10/2021		<0.001	
2/11/2021			<0.001
9/7/2021			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/21/2025 8:55 AM View: Appendix I - Interwell PLs (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWA-14 (bg)
9/8/2021			<0.001
9/9/2021		<0.001	
9/10/2021	<0.001		
2/1/2022			
2/2/2022	<0.001	<0.001	<0.001
2/3/2022			
8/30/2022			
8/31/2022	<0.001	<0.001	<0.001
9/2/2022			
2/2/2023	<0.001	<0.001	
2/3/2023			
2/7/2023			<0.001
8/9/2023	<0.001		
8/10/2023		<0.001	<0.001
1/24/2024			<0.001
1/25/2024	<0.001	<0.001	
8/20/2024			
8/21/2024	<0.001	<0.001	
8/22/2024			<0.001
2/5/2025	<0.001	<0.001	<0.001
2/13/2025			

ND substitution: RL or RL/2 if <15% NDs.

FIGURE E.

Appendix III - Interwell Prediction Limits - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 8:58 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**ARGWC-18**	**1.11**	**n/a**	**2/5/2025**	**2.32**	**Yes**	**121**	**n/a**	**n/a**	**41.32**	**n/a**	**n/a**	**0.000133**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	**ARGWC-16**	**7.44**	**5.53**	**2/5/2025**	**5.18**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001944**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	**ARGWC-17**	**7.44**	**5.53**	**2/5/2025**	**5.07**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001944**	**NP Inter (normality) 1 of 2**

Appendix III - Interwell Prediction Limits - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 8:58 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	ARGWC-7	1.11	n/a	2/5/2025	0.0749	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-8	1.11	n/a	2/5/2025	0.913	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-9	1.11	n/a	2/5/2025	0.00699J	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-10	1.11	n/a	2/5/2025	0.00539J	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-15	1.11	n/a	2/13/2025	0.00936J	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-16	1.11	n/a	2/5/2025	0.593	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	ARGWC-17	1.11	n/a	2/5/2025	0.054	No	121	n/a	n/a	41.32	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Boron (mg/L)	**ARGWC-18**	**1.11**	**n/a**	**2/5/2025**	**2.32**	**Yes**	**121**	**n/a**	**n/a**	**41.32**	**n/a**	**n/a**	**0.000133**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	ARGWC-7	190	n/a	2/5/2025	9.35	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-8	190	n/a	2/5/2025	44.3	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-9	190	n/a	2/5/2025	4.85	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-10	190	n/a	2/5/2025	8.09	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-15	190	n/a	2/13/2025	17.6	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-16	190	n/a	2/5/2025	78.4	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-17	190	n/a	2/5/2025	18.9	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Calcium (mg/L)	ARGWC-18	190	n/a	2/5/2025	53.3	No	121	n/a	n/a	0	n/a	n/a	0.000133	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-7	24.3	n/a	2/5/2025	4.33	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-8	24.3	n/a	2/5/2025	5.28	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-9	24.3	n/a	2/5/2025	4.83	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-10	24.3	n/a	2/5/2025	3.91	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-15	24.3	n/a	2/13/2025	2.48	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-16	24.3	n/a	2/5/2025	5.63	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-17	24.3	n/a	2/5/2025	2.63	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Chloride (mg/L)	ARGWC-18	24.3	n/a	2/5/2025	6.35	No	229	n/a	n/a	0.4367	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-7	0.53	n/a	2/5/2025	0.1ND	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-8	0.53	n/a	2/5/2025	0.212	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-9	0.53	n/a	2/5/2025	0.1ND	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-10	0.53	n/a	2/5/2025	0.0351J	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-15	0.53	n/a	2/13/2025	0.0561J	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-16	0.53	n/a	2/5/2025	0.1ND	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-17	0.53	n/a	2/5/2025	0.1ND	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
Fluoride (mg/L)	ARGWC-18	0.53	n/a	2/5/2025	0.086J	No	131	n/a	n/a	28.24	n/a	n/a	0.0001154	NP Inter (normality) 1 of 2
pH, Field (SU)	ARGWC-7	7.44	5.53	2/5/2025	5.83	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
pH, Field (SU)	ARGWC-8	7.44	5.53	2/5/2025	6.47	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
pH, Field (SU)	ARGWC-9	7.44	5.53	2/5/2025	5.97	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
pH, Field (SU)	ARGWC-10	7.44	5.53	2/5/2025	5.96	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
pH, Field (SU)	ARGWC-15	7.44	5.53	2/13/2025	6.17	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
pH, Field (SU)	**ARGWC-16**	**7.44**	**5.53**	**2/5/2025**	**5.18**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001944**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	**ARGWC-17**	**7.44**	**5.53**	**2/5/2025**	**5.07**	**Yes**	**142**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0001944**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	ARGWC-18	7.44	5.53	2/5/2025	6.04	No	142	n/a	n/a	0	n/a	n/a	0.0001944	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-7	950	n/a	2/5/2025	46	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-8	950	n/a	2/5/2025	61.7	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-9	950	n/a	2/5/2025	1.47	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-10	950	n/a	2/5/2025	0.557	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-15	950	n/a	2/13/2025	4.29	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-16	950	n/a	2/5/2025	405	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-17	950	n/a	2/5/2025	118	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
Sulfate (mg/L)	ARGWC-18	950	n/a	2/5/2025	199	No	237	n/a	n/a	15.19	n/a	n/a	0.00004917	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-7	1500	n/a	2/5/2025	87	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-8	1500	n/a	2/5/2025	214	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-9	1500	n/a	2/5/2025	58	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-10	1500	n/a	2/5/2025	69	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-15	1500	n/a	2/13/2025	114	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-16	1500	n/a	2/5/2025	637	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-17	1500	n/a	2/5/2025	155	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2
TDS (mg/L)	ARGWC-18	1500	n/a	2/5/2025	428	No	116	n/a	n/a	0	n/a	n/a	0.0001464	NP Inter (normality) 1 of 2

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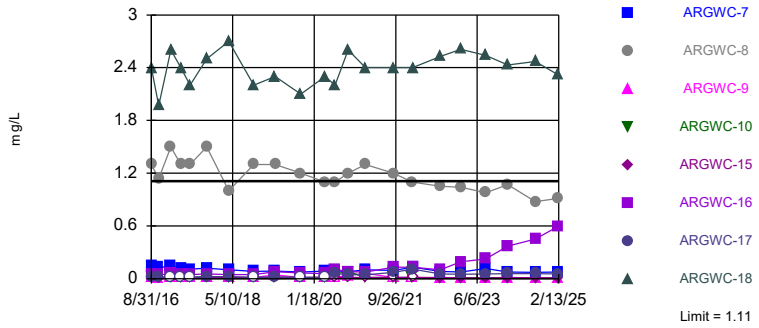
Hollow symbols indicate censored values.

Exceeds Limit: ARGWC-18

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 121 background values. 41.32% NDs. Annual per-constituent alpha = 0.002127. Individual comparison alpha = 0.000133 (1 of 2). Comparing 8 points to limit.

Constituent: Boron Analysis Run 5/21/2025 8:56 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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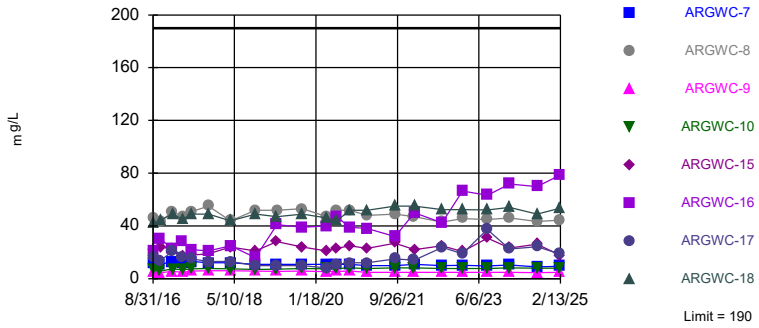
Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 121 background values. Annual per-constituent alpha = 0.002127. Individual comparison alpha = 0.000133 (1 of 2). Comparing 8 points to limit.

Constituent: Calcium Analysis Run 5/21/2025 8:56 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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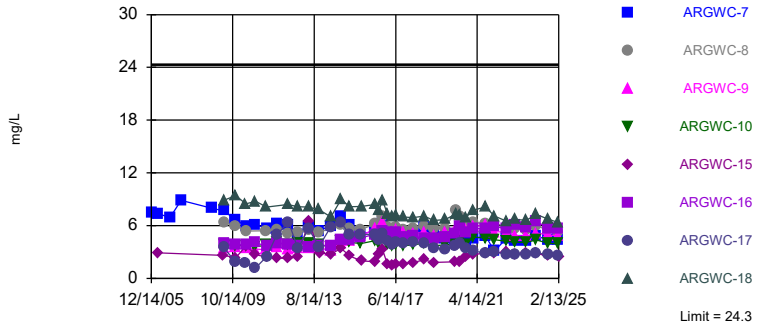
Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 229 background values. 0.4367% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Chloride Analysis Run 5/21/2025 8:56 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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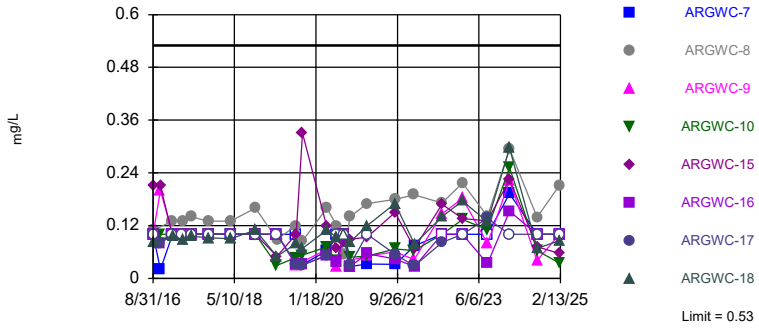
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 131 background values. 28.24% NDs. Annual per-constituent alpha = 0.001845. Individual comparison alpha = 0.0001154 (1 of 2). Comparing 8 points to limit.

Constituent: Fluoride Analysis Run 5/21/2025 8:56 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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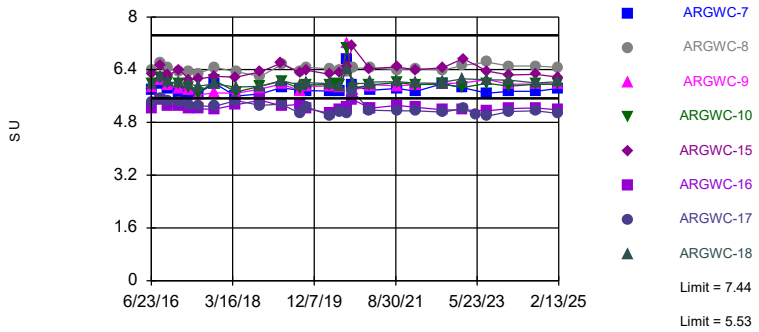
Exceeds Limits: ARGWC-16, ARGWC-17

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 142 background values. Annual per-constituent alpha = 0.003108. Individual comparison alpha = 0.0001944 (1 of 2). Comparing 8 points to limit.

Constituent: pH, Field Analysis Run 5/21/2025 8:56 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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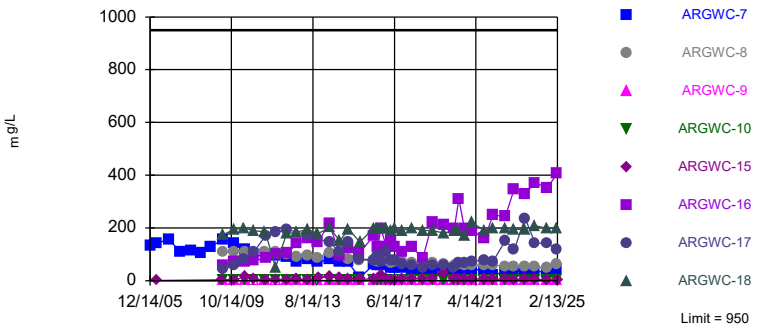
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 237 background values. 15.19% NDs. Annual per-constituent alpha = 0.0007864. Individual comparison alpha = 0.00004917 (1 of 2). Comparing 8 points to limit.

Constituent: Sulfate Analysis Run 5/21/2025 8:56 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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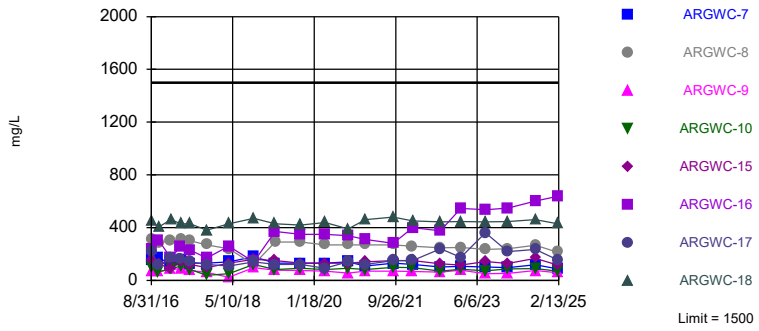
Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 116 background values. Annual per-constituent alpha = 0.00234. Individual comparison alpha = 0.0001464 (1 of 2). Comparing 8 points to limit.

Constituent: TDS Analysis Run 5/21/2025 8:56 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWA-13 (bg)	ARGWC-7	ARGWC-8	ARGWC-9	ARGWA-14 (bg)	ARGWC-10
8/30/2016	0.032 (J)	<0.015							
8/31/2016			<0.015	0.1	0.14	1.3	<0.015	0.04 (J)	
9/1/2016									<0.015
9/2/2016									
10/24/2016	0.0406 (J)								
10/25/2016		0.0073 (J)	0.0068 (J)	0.204	0.126		0.0071 (J)	0.065 (J)	<0.015
10/26/2016						1.14			
1/23/2017	0.023 (J)							0.031 (J)	
1/24/2017		<0.015	<0.015	0.064					
1/26/2017					0.14	1.5	<0.015		
1/27/2017									<0.015
4/11/2017	0.025 (J)	<0.015	<0.015	0.081				0.043 (J)	
4/12/2017					0.12	1.3	<0.015		<0.015
6/20/2017		<0.015	<0.015					0.029 (J)	
6/21/2017	<0.015			0.13		1.3			
6/22/2017					0.11		<0.015		<0.015
10/25/2017	0.028 (J)	<0.015	<0.015	0.17	0.12		<0.015	0.041 (J)	
10/26/2017						1.5			0.026 (J)
4/9/2018				0.059				0.04 (J)	
4/10/2018	0.027 (J)	<0.015	<0.015		0.1				
4/11/2018						1	<0.015		<0.015
10/16/2018	0.023 (J)	<0.015	<0.015	0.34				0.046 (J)	
10/17/2018					0.084	1.3	<0.015		<0.015
3/26/2019				0.32					
3/27/2019	<0.015	<0.015	<0.015					0.032 (J)	
3/28/2019					0.087		0.044 (J)		<0.015
3/29/2019						1.3			
10/7/2019								<0.015	
10/8/2019	<0.015	<0.015	<0.015	0.68					
10/9/2019					0.076 (J)	1.2	<0.015		<0.015
4/6/2020								0.041 (J)	
4/7/2020	<0.015	<0.015	<0.015	0.23					
4/8/2020					0.086				<0.015
4/9/2020						1.1	<0.015		
6/23/2020						1.1			0.053 (J)
6/24/2020									
6/25/2020		<0.015	<0.015	0.32	0.091			<0.015	
6/26/2020	<0.015						<0.015		
9/29/2020	<0.015	<0.015	<0.015	0.35	0.078 (J)			0.039 (J)	
9/30/2020									
10/1/2020						1.2	0.041 (J)		0.082
12/1/2020									
2/9/2021	<0.015	<0.015	<0.015	0.38					<0.015
2/10/2021					0.1	1.3	0.06 (J)		
2/11/2021								0.062 (J)	
3/29/2021									
9/7/2021	<0.015			0.96					
9/8/2021		<0.015	<0.015					<0.015	
9/9/2021						1.2	<0.015		
9/10/2021					0.093				<0.015
2/1/2022	<0.015	<0.015	<0.015	0.3					
2/2/2022						1.1	<0.015	<0.015	<0.015

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWA-13 (bg)	ARGWC-7	ARGWC-8	ARGWC-9	ARGWA-14 (bg)	ARGWC-10
2/3/2022					0.13				
8/30/2022	0.0214	0.00855 (J)							
8/31/2022			0.00589 (J)	0.933	0.0815	1.05	0.00885 (J)	0.0356	0.00863 (J)
9/2/2022									
2/2/2023	0.0179				0.0773	1.04	0.00794 (J)		0.00561 (J)
2/3/2023		0.0066 (J)	<0.015	0.26					
2/7/2023								0.0145 (J)	
8/9/2023	0.0235		0.00594 (J)	1.06					<0.015
8/10/2023		0.0139 (J)			0.116	0.98	0.00623 (J)	0.0372	
1/24/2024		0.00641 (J)	0.00554 (J)					0.0605	
1/25/2024	0.0208			0.713	0.076	1.07	0.0114 (J)		0.00819 (J)
8/20/2024	0.0106 (J)		<0.015						
8/21/2024		0.00762 (J)		1.11	0.0724	0.877	0.0066 (J)		0.00605 (J)
8/22/2024								0.0311	
2/5/2025	0.0165	<0.015	0.00681 (J)	0.563	0.0749	0.913	0.00699 (J)	0.0347	0.00539 (J)
2/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-18	ARGWC-16	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
8/30/2016					
8/31/2016					
9/1/2016	2.4	0.049 (J)	0.022 (J)		
9/2/2016				<0.015	
10/24/2016					
10/25/2016		0.042 (J)	0.0219 (J)		
10/26/2016	1.97			0.0138 (J)	
1/23/2017					
1/24/2017					
1/26/2017		0.059	<0.015	<0.015	
1/27/2017	2.6				
4/11/2017		0.045 (J)	<0.015		
4/12/2017	2.4			<0.015	
6/20/2017					
6/21/2017	2.2	0.045 (J)	<0.015	<0.015	
6/22/2017					
10/25/2017	2.5				
10/26/2017		0.054	0.023 (J)	<0.015	
4/9/2018					
4/10/2018		0.048 (J)	0.026 (J)	<0.015	
4/11/2018	2.7				
10/16/2018		0.048 (J)			
10/17/2018	2.2		<0.015	<0.015	
3/26/2019					
3/27/2019	2.3			<0.015	
3/28/2019		0.08	0.022 (J)		
3/29/2019					
10/7/2019					
10/8/2019				<0.015	
10/9/2019	2.1	0.065 (J)	<0.015		
4/6/2020					
4/7/2020					
4/8/2020		0.059 (J)	<0.015	<0.015	
4/9/2020	2.3				
6/23/2020					
6/24/2020	2.2	0.11	0.059 (J)		
6/25/2020				<0.015	
6/26/2020					
9/29/2020		0.081	0.045 (J)	<0.015	
9/30/2020	2.6				
10/1/2020					
12/1/2020					<0.015
2/9/2021		0.076 (J)	0.042 (J)	<0.015	<0.015
2/10/2021	2.4				
2/11/2021					
3/29/2021					0.071 (J)
9/7/2021					
9/8/2021		0.13	0.074 (J)	<0.015	<0.015
9/9/2021	2.4				
9/10/2021					
2/1/2022					<0.015
2/2/2022			0.11		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-18	ARGWC-16	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
2/3/2022	2.4	0.13		<0.015	
8/30/2022					
8/31/2022		0.101		0.0137 (J)	0.0151
9/2/2022	2.53		0.0555		
2/2/2023	2.61	0.194			0.014 (J)
2/3/2023			0.051	0.0113 (J)	
2/7/2023					
8/9/2023			0.0534		0.0117 (J)
8/10/2023	2.54	0.224		0.00806 (J)	
1/24/2024					0.0133 (J)
1/25/2024	2.43	0.37	0.059	0.0125 (J)	
8/20/2024					0.00663 (J)
8/21/2024	2.47	0.449	0.0575	0.0103 (J)	
8/22/2024					
2/5/2025	2.32	0.593	0.054		0.0122 (J)
2/13/2025				0.00936 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWA-13 (bg)	ARGWC-7	ARGWC-8	ARGWC-9	ARGWA-14 (bg)	ARGWC-10
8/30/2016	11	5.1							
8/31/2016			5.4	110	12	46	5.2	31	
9/1/2016									6.6
9/2/2016									
10/24/2016	10.4								
10/25/2016		4.76	4.47	150	10.9		4.64	38.5	5.89
10/26/2016						43.3			
1/23/2017	12							25	
1/24/2017		5.6	5.8	78					
1/26/2017					13	51	5.5		
1/27/2017									7.4
4/11/2017	12	4.7	5.3	78				33	
4/12/2017					12	47	4.9		6.7
6/20/2017		5.4	5.8					34	
6/21/2017	12			110		51			
6/22/2017					13		5.8		7.5
10/25/2017	13	6	5.9	120	12		6.1	28	
10/26/2017						55			7.8
4/9/2018				49				30	
4/10/2018	13	5.3	5.9		12				
4/11/2018						44	6		7.4
10/16/2018	12	5.6	5.8	110				41	
10/17/2018					11	52	5.8		7.1
3/26/2019				95					
3/27/2019	11	4.5	5.4					42	
3/28/2019					11		5.6		7.3
3/29/2019						52			
10/7/2019								36	
10/8/2019	13	5.9	6	190					
10/9/2019					11	53	5.7		7.7
4/6/2020								43	
4/7/2020	12	4	5.5	61					
4/8/2020					11				7.5
4/9/2020						47	5.3		
6/23/2020						52			7.7
6/24/2020									
6/25/2020		6.1	5.7	100	11			27	
6/26/2020	15						5.6		
9/29/2020	14	6.6	5.9	120	11			29	
9/30/2020									
10/1/2020						52	5.7		8.1
12/1/2020									
2/9/2021	14	6.2	5.8	110					7.7
2/10/2021					9.9	48	4.8		
2/11/2021								40	
3/29/2021									
9/7/2021	14			190					
9/8/2021		7.3	5.8					24	
9/9/2021						49	4.7		
9/10/2021					10				8.1
2/1/2022	12	6.5	5.4	73					
2/2/2022						47	4.7	48	8.3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWA-13 (bg)	ARGWC-7	ARGWC-8	ARGWC-9	ARGWA-14 (bg)	ARGWC-10
2/3/2022					11				
8/30/2022	14.2	9.56							
8/31/2022			5.91	165	9.99	43	4.77	41.6	7.65
9/2/2022									
2/2/2023	14.9				10.2	45.7	4.88		7.69
2/3/2023		10.4	5.79	49					
2/7/2023								19.1	
8/9/2023	16		5.96	186					7.85
8/10/2023		12.6			9.75	44.9	4.75	49.5	
1/24/2024		12.4	5.9					45.6	
1/25/2024	13.3			118	10.3	46	4.81		8.32
8/20/2024	11.8		6.01						
8/21/2024		16.4		165	8.99	43.4	4.65		7.87
8/22/2024								45.3	
2/5/2025	11.8	15.3	5.98	82	9.35	44.3	4.85	41.7	8.09
2/13/2025									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-18	ARGWC-16	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
8/30/2016					
8/31/2016					
9/1/2016	42	21	16		
9/2/2016				22	
10/24/2016					
10/25/2016		29.8	13.5		
10/26/2016	44.3			23.7	
1/23/2017					
1/24/2017					
1/26/2017		23	21	23	
1/27/2017	49				
4/11/2017		28	16		
4/12/2017	45			17	
6/20/2017					
6/21/2017	49	22	15	18	
6/22/2017					
10/25/2017	49				
10/26/2017		21	13	19	
4/9/2018					
4/10/2018		25	13	24	
4/11/2018	44				
10/16/2018		16			
10/17/2018	49		10	21	
3/26/2019					
3/27/2019	47			28	
3/28/2019		41	10		
3/29/2019					
10/7/2019					
10/8/2019				24	
10/9/2019	49	39	10		
4/6/2020					
4/7/2020					
4/8/2020		40	8.3	21	
4/9/2020	46				
6/23/2020					
6/24/2020	44	47	11		
6/25/2020				23	
6/26/2020					
9/29/2020		39	12	25	
9/30/2020	52				
10/1/2020					
12/1/2020					13
2/9/2021		38	12	23	9.7
2/10/2021	52				
2/11/2021					
3/29/2021					10
9/7/2021					
9/8/2021		32	15	27	10
9/9/2021	55				
9/10/2021					
2/1/2022					9.6
2/2/2022			14		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-18	ARGWC-16	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
2/3/2022	55	50		22	
8/30/2022					
8/31/2022		42.4		25	10.1
9/2/2022	52.4		23.7		
2/2/2023	52.4	66.5			10.2
2/3/2023			18.8	20.5	
2/7/2023					
8/9/2023			37.4		9.31
8/10/2023	52.1	63.4		30.9	
1/24/2024					9.3
1/25/2024	54	71.7	22.6	23.3	
8/20/2024					9.12
8/21/2024	48.9	69.9	24.2	26.1	
8/22/2024					
2/5/2025	53.3	78.4	18.9		9.2
2/13/2025				17.6	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-16
12/16/1997	6.2	3.8							
6/30/1998	4.6	2.9							
12/2/1998	3.13	1.76							
6/8/1999	1.56	1.97							
12/7/1999	3.05	1.98							
6/15/2000	3.35	2.08							
12/12/2000	2.42	2.02							
12/5/2001	2.62	2.03							
6/26/2002	3.4	2.52							
12/3/2002	3.04	2.12							
6/11/2003	3.02	2.43							
12/10/2003	2.9	1.93							
6/15/2004	2.05	2.42							
12/14/2004	2.78	2.44							
6/2/2005	3.15	2.79							
12/14/2005	3.38	2.77	7.52						
4/5/2006		2.8	7.38	2.9					
4/6/2006	3.49								
10/30/2006	2.84	3.09	6.9						
5/10/2007	3.68	3.93	8.88						
11/17/2007	2.69	<0.021	13.5 (O)						
5/2/2008			12.9 (O)						
5/3/2008	2.85	3.52							
10/22/2008	2.99	3.15	7.97						
5/5/2009				2.61					
5/6/2009		3.49			10.7				
5/7/2009	2.96					4.24			
5/12/2009							3.5	8.89	3.96
5/13/2009									
5/14/2009			7.68						
12/1/2009		3.26	6.66						
12/3/2009					10.1	2.66			
12/4/2009	2.97			2.37			1.85	9.43	
12/5/2009									3.81
5/25/2010		3.62			7.11	3.29	1.74	8.49	
5/26/2010			6						3.85
6/1/2010	3.23			3.71					
6/2/2010									
11/9/2010		3.38			8.4		1.18		4.08
11/10/2010	2.86		6.07	2.69		3.82		8.77	
5/18/2011									
5/19/2011								8.11	
5/24/2011		3.62			9.07		2.51		3.63
5/25/2011	2.86		5.7	2.44		4.92			
11/9/2011				2.3					
11/10/2011		3.74			10.3	4.48			
11/11/2011			6.23						
11/12/2011	2.83						4.99	12.3 (O)	4.03
5/17/2012			6.06					8.4	
5/18/2012		3.6			10.1				
5/30/2012						4.72	6.4		3.82
5/31/2012	2.68			2.29					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-16
11/9/2012		3.66	4.9		8.73	5.1	3.37		3.69
11/10/2012				2.46				8.13	
11/11/2012	2.63								
5/7/2013								8.11	
5/8/2013		4.16	5.85		8.06		5.67		
5/9/2013						3.85			
5/13/2013	0.364			6.55					3.5
11/5/2013			5.44					7.82	
11/6/2013		3.87			10.2		3.62		3.74
11/11/2013						5.26			
11/12/2013	2.95			2.86					
5/20/2014		4.4			8.2		5.82		
5/21/2014			5.96			4.47			3.74
5/28/2014				2.75				6.99	
5/29/2014	2.64								
11/17/2014		4.2	7				6.4		4.4
11/18/2014					10	6.4			
11/19/2014								9	
11/20/2014				3.4					
4/7/2015		4.53	6.08			5.04	5.02		4.38
4/14/2015	2.78			2.56	10.7				
4/15/2015								8.14	
10/28/2015		4.47	5.02			6.3	4.98		4.62
10/29/2015					10.7			8.17	
11/3/2015	2.66			2.01					
11/4/2015									
6/23/2016	3.3	4.6	5.4	1.9	11	5.7			
6/24/2016							5	8.4	5
8/30/2016		4.3			11				
8/31/2016	2.7		5.1			5.7			
9/1/2016							4.4	7.8	4.8
9/2/2016				2.7					
10/24/2016					12				
10/25/2016	3.1	5	6.2			7.9	5.1		5.4
10/26/2016				3.3				8.9	
1/23/2017					11				
1/24/2017	2.5	5.1				4.4			
1/26/2017			5.1	1.6			4.2		5.2
1/27/2017								7.3	
4/11/2017	2.4	4.4			11	4.3	3.9		4.8
4/12/2017			4.9	1.5				7	
6/20/2017	2.5	5							
6/21/2017				1.6	11	5.5	4.1	7.2	5.2
6/22/2017			5.1						
10/25/2017	2.3	5.3	5.1		10	5.2		7	
10/26/2017				1.6			4		4.7
4/9/2018						3.8			
4/10/2018	2.4	5.1	5	1.8	9.9		4.1		4.8
4/11/2018								6.9	
10/16/2018	2.5	5.3			11	6			4.5
10/17/2018			5.8	2.1			4	7.1	
3/26/2019						4.6			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-18	ARGWC-16
3/27/2019	2.5	4.3		1.8	11			6.6	
3/28/2019			5.1				3.4		4.6
3/29/2019									
10/7/2019									
10/8/2019	2.6	5.7		9.4 (O)	64 (O)	6.7			
10/9/2019			4.6				3.3	6.7	4.7
4/6/2020									
4/7/2020	2.9	3.7			11	3.8			
4/8/2020			4.4	1.9			3.7		5.1
4/9/2020								7.3	
6/23/2020									
6/24/2020							4	7.2	5.9
6/25/2020	2.8	4.2	4.6	1.9		5.8			
6/26/2020					12				
9/29/2020	2.7	4.6	4.1	2.5	12	5.7	3.4		5.2
9/30/2020								6.9	
10/1/2020									
12/1/2020									
2/9/2021	3	5.1		2.7	15	6	3.1		5.7
2/10/2021			4.5					7.8	
2/11/2021									
3/29/2021									
9/7/2021					14	8.2			
9/8/2021	3	5.3		2.9			2.9		5.6
9/9/2021								8.1	
9/10/2021			4.8						
2/1/2022	3.4	5.3			12	4.6			
2/2/2022							3		
2/3/2022			3.1	2.9				7.1	5.9
8/30/2022		8.47			12.8				
8/31/2022	2.94		4.59	3.01		6.89			5.67
9/2/2022							2.74	6.52	
2/2/2023			4.25		13.2			6.7	6.12
2/3/2023	2.67	8.74		2.71		3.04	2.68		
2/7/2023									
8/9/2023	2.71				13.3	5.87	2.72		
8/10/2023		12.4	4.2	2.88				6.62	5.85
1/24/2024	2.72	14.9							
1/25/2024			4.76	2.83	13.1	5.2	2.88	7.26	6.48
8/20/2024	2.66				10.6				
8/21/2024		17	4.45	2.55		6.76	2.76	6.72	5.71
8/22/2024									
2/5/2025	2.66	24.3	4.33		10.1	3.88	2.63	6.35	5.63
2/13/2025				2.48					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997					
6/30/1998					
12/2/1998					
6/8/1999					
12/7/1999					
6/15/2000					
12/12/2000					
12/5/2001					
6/26/2002					
12/3/2002					
6/11/2003					
12/10/2003					
6/15/2004					
12/14/2004					
6/2/2005					
12/14/2005					
4/5/2006					
4/6/2006					
10/30/2006					
5/10/2007					
11/17/2007					
5/2/2008					
5/3/2008					
10/22/2008					
5/5/2009					
5/6/2009					
5/7/2009					
5/12/2009					
5/13/2009	3.85	3.37			
5/14/2009			6.38		
12/1/2009					
12/3/2009	3.73	3.49	5.96		
12/4/2009					
12/5/2009					
5/25/2010					
5/26/2010	3.7	3.35	5.37		
6/1/2010					
6/2/2010				15.1	
11/9/2010	3.6	3.34	<0.071 (O)		
11/10/2010				14.8	
5/18/2011			5.4		
5/19/2011	3.79	3.25		28.2 (O)	
5/24/2011					
5/25/2011					
11/9/2011				32.8 (O)	
11/10/2011					
11/11/2011	4.07	3.57	5.58		
11/12/2011					
5/17/2012	3.84	3.27	5.15		
5/18/2012					
5/30/2012				30.8 (O)	
5/31/2012					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
11/9/2012	3.99	3.45	5.2		
11/10/2012					
11/11/2012				24.6 (O)	
5/7/2013	3.94	3.35	5.56		
5/8/2013					
5/9/2013				27.2 (O)	
5/13/2013					
11/5/2013			5.24		
11/6/2013	3.89	3.45			
11/11/2013				12.7	
11/12/2013					
5/20/2014	3.54				
5/21/2014		3.18	7.34 (O)		
5/28/2014					
5/29/2014				20 (O)	
11/17/2014					
11/18/2014	4.2	4	6.1		
11/19/2014				19 (O)	
11/20/2014					
4/7/2015	4.09	4.22	5.62		
4/14/2015				13.6	
4/15/2015					
10/28/2015	3.98	4.87	5.58		
10/29/2015					
11/3/2015					
11/4/2015				12.4	
6/23/2016	4.3	5.6	6.2	9	
6/24/2016					
8/30/2016					
8/31/2016		5.4	5.6	5.4	
9/1/2016	4				
9/2/2016					
10/24/2016					
10/25/2016	4.6	6.4		9.3	
10/26/2016			7.1		
1/23/2017				5.1	
1/24/2017					
1/26/2017		5.3	5.8		
1/27/2017	3.9				
4/11/2017				4.1	
4/12/2017	3.7	5.2	5.6		
6/20/2017				4.1	
6/21/2017			5.8		
6/22/2017	3.9	5.5			
10/25/2017		5.3		3.8	
10/26/2017	3.7		5.5		
4/9/2018				3.9	
4/10/2018					
4/11/2018	3.8	5.1	5.7		
10/16/2018				4.3	
10/17/2018	4	5.3	6		
3/26/2019					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
3/27/2019				4	
3/28/2019	3.7	4.8			
3/29/2019			5.7		
10/7/2019				4	
10/8/2019					
10/9/2019	3.8	5.2	5.7		
4/6/2020				4.2	
4/7/2020					
4/8/2020	3.9				
4/9/2020		5.6	7.7		
6/23/2020	4.2		7		
6/24/2020					
6/25/2020				4	
6/26/2020		5.4			
9/29/2020				4.1	
9/30/2020					
10/1/2020	3.9	5.5	6		
12/1/2020					12
2/9/2021	4.7				11
2/10/2021		5.9	6.4		
2/11/2021				4.6	
3/29/2021					11
9/7/2021					
9/8/2021				4	11
9/9/2021		6.1	6.2		
9/10/2021	4.6				
2/1/2022					12
2/2/2022	4.4	5.3	6.3	4.2	
2/3/2022					
8/30/2022					
8/31/2022	4.2	5.28	5.86	3.92	12.3
9/2/2022					
2/2/2023	4.1	4.88	5.6		9.71
2/3/2023					
2/7/2023				3.88	
8/9/2023	4.11				8.91
8/10/2023		4.8	5.45	4.61	
1/24/2024				4.33	9.01
1/25/2024	4.36	5.15	5.9		
8/20/2024					8.27
8/21/2024	3.99	4.93	5.59		
8/22/2024				4.39	
2/5/2025	3.91	4.83	5.28	3.57	7.11
2/13/2025					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWA-13 (bg)	ARGWC-8	ARGWC-9	ARGWA-14 (bg)	ARGWC-10
8/30/2016	<0.1	<0.1							
8/31/2016			<0.1	<0.1	<0.1	0.11 (J)	<0.1	0.12 (J)	
9/1/2016									<0.1
9/2/2016									
10/24/2016	0.1 (J)								
10/25/2016		0.09 (J)	0.14 (J)	0.02 (J)	0.08 (J)		0.2 (J)	0.53	0.1 (J)
10/26/2016						0.43 (O)			
1/23/2017	<0.1							0.4	
1/24/2017		<0.1	<0.1		<0.1				
1/26/2017				<0.1		0.13 (J)	<0.1		
1/27/2017									<0.1
4/11/2017	<0.1	<0.1	<0.1		<0.1			0.31	
4/12/2017				<0.1		0.13 (J)	<0.1		<0.1
6/20/2017		<0.1	<0.1					0.27	
6/21/2017	<0.1				<0.1	0.14 (J)			
6/22/2017				<0.1			<0.1		<0.1
10/25/2017	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	0.29	
10/26/2017						0.13 (J)			<0.1
4/9/2018					<0.1			0.25	
4/10/2018	<0.1	<0.1	<0.1	<0.1					
4/11/2018						0.13 (J)	<0.1		<0.1
10/16/2018	0.1 (J)	<0.1	0.1 (J)		<0.1			0.33	
10/17/2018				<0.1		0.16 (J)	<0.1		<0.1
3/26/2019					<0.1				
3/27/2019	0.031 (J)	0.026 (J)	0.034 (J)					0.15 (J)	
3/28/2019				<0.1			<0.1		0.03 (J)
3/29/2019						0.089 (J)			
8/19/2019					<0.1				
8/20/2019	0.049 (J)	0.047 (J)	0.053 (J)						
8/21/2019				<0.1		0.12 (J)	0.03 (J)	0.35	0.047 (J)
10/7/2019								0.12 (J)	
10/8/2019	0.27 (J)	0.05 (J)	0.056 (J)		0.033 (J)				
10/9/2019				0.032 (J)		0.085 (J)	0.038 (J)		0.053 (J)
4/6/2020								0.28	
4/7/2020	0.082 (J)	0.072 (J)	0.098 (J)		0.086 (J)				
4/8/2020				0.062 (J)					0.071 (J)
4/9/2020						0.16	0.066 (J)		
6/23/2020						0.12			0.04 (J)
6/24/2020									
6/25/2020		0.042 (J)	0.06 (J)	<0.1	0.03 (J)			0.17	
6/26/2020	0.051 (J)						0.027 (J)		
8/18/2020	0.041 (J)	<0.1	<0.1	<0.1	<0.1				
8/19/2020							<0.1	0.12	<0.1
8/20/2020						0.054 (J)			
9/29/2020	0.06 (J)	0.051 (J)	0.065 (J)	0.027 (J)	0.032 (J)			0.13	
9/30/2020									
10/1/2020						0.14	0.041 (J)		0.048 (J)
12/1/2020									
2/9/2021	0.07 (J)	0.055 (J)	0.084 (J)		0.036 (J)				0.051 (J)
2/10/2021				0.033 (J)		0.17	0.051 (J)		
2/11/2021								0.25	
3/29/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWC-7	ARGWA-13 (bg)	ARGWC-8	ARGWC-9	ARGWA-14 (bg)	ARGWC-10
9/7/2021	0.11				0.075 (J)				
9/8/2021		0.1	0.1					0.2	
9/9/2021						0.18	0.06 (J)		
9/10/2021				0.032 (J)					0.067 (J)
2/1/2022	0.065 (J)	0.059 (J)	0.086 (J)		0.032 (J)				
2/2/2022						0.19	0.043 (J)	0.19	0.063 (J)
2/3/2022				0.074 (J)					
8/30/2022	0.167	0.155							
8/31/2022			0.184	<0.1	0.135	0.172	0.147	0.155	<0.1
9/2/2022									
2/2/2023	0.221			<0.1		0.217	0.182		0.134
2/3/2023		<0.1	0.155		<0.1				
2/7/2023								0.275	
8/9/2023	0.271		0.316		0.239				0.111
8/10/2023		0.128		<0.1		0.141	0.079 (J)	0.254	
1/24/2024		0.117	0.146					0.327	
1/25/2024	0.241			0.193	0.175	0.295	0.222		0.252
8/20/2024	0.0426 (J)		0.0574 (J)						
8/21/2024		0.0365 (J)		<0.1	0.0387 (J)	0.139	0.0405 (J)		0.063 (J)
8/22/2024								0.21	
2/5/2025	0.0337 (J)	<0.1	0.0502 (J)	<0.1	<0.1	0.212	<0.1	0.238	0.0351 (J)
2/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-18	ARGWC-16	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
8/30/2016					
8/31/2016					
9/1/2016	0.083 (J)	<0.1	<0.1		
9/2/2016				0.21	
10/24/2016					
10/25/2016		0.08 (J)	0.08 (J)		
10/26/2016	0.32 (O)			0.21 (J)	
1/23/2017					
1/24/2017					
1/26/2017		<0.1	<0.1	0.097 (J)	
1/27/2017	0.097 (J)				
4/11/2017		<0.1	<0.1		
4/12/2017	0.088 (J)			<0.1	
6/20/2017					
6/21/2017	0.096 (J)	<0.1	<0.1	<0.1	
6/22/2017					
10/25/2017	0.092 (J)				
10/26/2017		<0.1	<0.1	<0.1	
4/9/2018					
4/10/2018		<0.1	<0.1	<0.1	
4/11/2018	0.09 (J)				
10/16/2018		<0.1			
10/17/2018	0.11 (J)		<0.1	0.1 (J)	
3/26/2019					
3/27/2019	0.05 (J)			0.05 (J)	
3/28/2019		<0.1	<0.1		
3/29/2019					
8/19/2019					
8/20/2019		0.033 (J)			
8/21/2019	0.079 (J)		0.031 (J)	0.1 (J)	
10/7/2019					
10/8/2019				0.33 (J)	
10/9/2019	0.068 (J)	0.031 (J)	0.03 (J)		
4/6/2020					
4/7/2020					
4/8/2020		0.051 (J)	0.053 (J)	0.12	
4/9/2020	0.11				
6/23/2020					
6/24/2020	0.094 (J)	0.038 (J)	<0.1		
6/25/2020				0.067 (J)	
6/26/2020					
8/18/2020			<0.1		
8/19/2020		<0.1		0.081 (J)	
8/20/2020	<0.1				
9/29/2020		0.026 (J)	0.029 (J)	0.089 (J)	
9/30/2020	0.082 (J)				
10/1/2020					
12/1/2020					<0.1
2/9/2021		0.056 (J)	<0.1	0.094 (J)	0.057 (J)
2/10/2021	0.12				
2/11/2021					
3/29/2021					0.039 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-18	ARGWC-16	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
9/7/2021					
9/8/2021		0.044 (J)	0.055 (J)	0.15	0.1
9/9/2021	0.17				
9/10/2021					
2/1/2022					0.054 (J)
2/2/2022			0.028 (J)		
2/3/2022	0.078 (J)	0.027 (J)		0.068 (J)	
8/30/2022					
8/31/2022		<0.1		0.169	0.164
9/2/2022	0.141		0.082 (J)		
2/2/2023	0.176	<0.1			0.125
2/3/2023			<0.1	0.136	
2/7/2023					
8/9/2023			0.137		0.0732 (J)
8/10/2023	0.129	0.0335 (J)		0.131	
1/24/2024					0.121
1/25/2024	0.296	0.153	<0.1	0.225	
8/20/2024					0.0399 (J)
8/21/2024	0.0683 (J)	<0.1	<0.1	0.0719 (J)	
8/22/2024					
2/5/2025	0.086 (J)	<0.1	<0.1		<0.1
2/13/2025				0.0561 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWC-7	ARGWC-8	ARGWA-13 (bg)	ARGWC-9	ARGWC-10	ARGWA-12 (bg)	ARGWC-15	ARGWA-5 (bg)
6/23/2016	5.86	5.79	6.4	6.43	5.87	5.96	5.99	6.28	5.89
6/24/2016									
8/30/2016							6.82 (O)		6.07
8/31/2016	6.09	5.98	6.62	6.67 (O)	6.1	6.16			
9/1/2016									
9/2/2016								6.54	
10/24/2016							5.99		
10/25/2016	5.92	5.81		5.8	5.92	6.02		6.25	5.96
10/26/2016			6.44					6.23	
1/23/2017							5.94		
1/24/2017	5.98			5.82					5.89
1/26/2017		5.73	6.34		5.82			6.4	
1/27/2017						5.98			
4/11/2017	5.82			5.78			5.88		5.78
4/12/2017		5.65	6.36		5.79	5.87		6.1	
6/20/2017	5.8								5.69
6/21/2017			6.28	5.67			5.73	6.11	
6/22/2017		5.69			5.64	5.68			
10/25/2017	5.89	5.99		5.72	5.7		6.13		6.11
10/26/2017			6.47			6.07		6.2	
4/9/2018				5.78					
4/10/2018	5.85	5.6					5.95	6.17	5.58
4/11/2018			6.34		5.69	5.72			
10/16/2018	6.03			5.74			5.94		5.86
10/17/2018		5.67	6.2		5.81	5.9		6.34	
3/26/2019				5.96					
3/27/2019	6.1						6	6.6	5.97
3/28/2019		5.85			5.97	6.05			
3/29/2019			6.55						
8/19/2019				5.59					
8/20/2019	5.83						5.89		5.8
8/21/2019		5.77	6.36		5.76	5.82		6.3	
10/7/2019									
10/8/2019	5.96			5.74			5.93	6.38	5.93
10/9/2019		5.76	6.47		5.9	5.94			
4/6/2020									
4/7/2020	5.9			5.84			5.91		5.86
4/8/2020		5.75				5.95		6.26	
4/9/2020			6.42		5.9				
5/27/2020						5.98			
6/23/2020			6.37			5.95			
6/24/2020									
6/25/2020	5.75	5.75		5.8				6.32	5.87
6/26/2020					5.85		5.94		
8/18/2020	6.47	6.7		6.15			6.48		6.18
8/19/2020					7.21	7.06		6.51	
8/20/2020			6.34						
9/29/2020	6.02	5.92		5.75			5.88	7.11	6
9/30/2020									
10/1/2020			6.44		5.78	5.83			
12/1/2020									
2/9/2021	5.94			5.79		5.94	5.92	6.43	5.88

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWC-7	ARGWC-8	ARGWA-13 (bg)	ARGWC-9	ARGWC-10	ARGWA-12 (bg)	ARGWC-15	ARGWA-5 (bg)
2/10/2021		5.77	6.45		5.91				
2/11/2021	5.94				5.95				5.87
3/29/2021									
9/7/2021				5.71			5.89		
9/8/2021	5.97							6.48	5.93
9/9/2021			6.4		5.91				
9/10/2021		5.83				6.01			
2/1/2022	5.93			5.86			5.97		5.83
2/2/2022			6.43		5.95	5.95			
2/3/2022		5.74						6.39	
8/30/2022							5.88		5.88
8/31/2022	5.96	5.98	6.38	5.53	5.98	5.96		6.46	
9/1/2022									
9/2/2022									
2/2/2023		5.85	6.53		6	5.86	5.86		
2/3/2023	6.07			5.84				6.73	5.93
2/7/2023									
5/15/2023									
8/9/2023	5.83			5.94		5.99	6.13		
8/10/2023		5.69	6.63		6.1			6.36	5.61
1/24/2024	6.03								5.81
1/25/2024		5.74	6.51	5.76	5.96	5.9	5.85	6.24	
8/20/2024	6.05						5.96		
8/21/2024		5.74	6.51	5.79	5.97	5.96		6.26	5.72
2/5/2025	6.07	5.83	6.47	5.85	5.97	5.96	5.88		5.75
2/13/2025								6.17	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWC-17	ARGWC-16	ARGWC-18	ARGWA-24 (bg)
6/23/2016	7.44				
6/24/2016		5.43	5.24	5.99	
8/30/2016					
8/31/2016	7.55 (O)				
9/1/2016		5.52	5.49	6.19	
9/2/2016					
10/24/2016					
10/25/2016	6.92	5.45	5.29		
10/26/2016				6.03	
1/23/2017	6.76				
1/24/2017					
1/26/2017		5.43	5.29		
1/27/2017				6.01	
4/11/2017	6.72	5.33	5.21		
4/12/2017				5.97	
6/20/2017	6.66				
6/21/2017		5.3	5.21	5.9	
6/22/2017					
10/25/2017	6.77			5.97	
10/26/2017		5.29	5.2		
4/9/2018	6.6				
4/10/2018		5.46	5.34		
4/11/2018				5.87	
10/16/2018	6.63		5.47		
10/17/2018		5.32		5.9	
3/26/2019	6.85				
3/27/2019	6.83			6.06	
3/28/2019		5.36	5.31		
3/29/2019					
8/19/2019					
8/20/2019	6.74		5.35		
8/21/2019	6.94	5.07		5.94	
10/7/2019	6.69				
10/8/2019					
10/9/2019		5.27	5.22	6.01	
4/6/2020	6.65				
4/7/2020					
4/8/2020		5.02	5.07		
4/9/2020				5.98	
5/27/2020					
6/23/2020					
6/24/2020		5.11	5.2	5.91	
6/25/2020	6.38				
6/26/2020					
8/18/2020	6.24	5.08			
8/19/2020	6.56		5.25		
8/20/2020				6.43	
9/29/2020	6.8	5.75	5.5		
9/30/2020				5.98	
10/1/2020					
12/1/2020					5.85
2/9/2021	6.67	5.17	5.24		5.69

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-14 (bg)	ARGWC-17	ARGWC-16	ARGWC-18	ARGWA-24 (bg)
2/10/2021				5.99	
2/11/2021	7.02		5.23	6.03	
3/29/2021					5.76
9/7/2021	6.85				
9/8/2021	7.04	5.15	5.32		5.8
9/9/2021				6.04	
9/10/2021					
2/1/2022	6.41				5.77
2/2/2022	6.41	5.15			
2/3/2022			5.26	6	
8/30/2022	6.8				
8/31/2022	6.8		5.18		5.65
9/1/2022				5.99	
9/2/2022		5.11		6.03	
2/2/2023			5.18	6.12	5.62
2/3/2023		5.22			
2/7/2023	6.25				
5/15/2023		5.05			
8/9/2023		4.99			5.7
8/10/2023	6.43		5.15	6.09	
1/24/2024	6.84				5.7
1/25/2024		5.13	5.22	6.08	
8/20/2024					5.71
8/21/2024	6.8	5.15	5.24	6	
2/5/2025	6.77	5.07	5.18	6.04	5.73
2/13/2025					

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
12/16/1997	<1	2							
6/30/1998	<1	<1							
12/2/1998	0.654	0.709							
6/8/1999	1.46	<1							
12/7/1999	0.399	0.531							
6/15/2000	0.601	0.733							
12/12/2000	0.45	0.621							
12/5/2001	0.935	0.274							
6/26/2002	4.95	0.505							
12/3/2002	0.911	0.515							
6/11/2003	1.85	0.508							
12/10/2003	0.77	0.578							
6/15/2004	1.3	1.23							
12/14/2004	1.02	1.22							
6/2/2005	0.834	0.908							
12/14/2005	<1	0.825	133						
4/5/2006		1.06	140	0.982					
4/6/2006	<1								
10/30/2006	0.865	0.996	157						
5/10/2007	1.03	1.01	111						
11/17/2007	0.818	1.72	114						
5/2/2008			104						
5/3/2008	0.941	1.2							
10/22/2008	<1	<1	129						
5/5/2009				2.89					
5/6/2009		0.807			16.6				
5/7/2009	0.46					21.4			
5/12/2009							42.6	57.9	173
5/13/2009									
5/14/2009			157						
12/1/2009		0.644	142						
12/3/2009					12.3	11.6			
12/4/2009	1.06			3.13			58.4		195
12/5/2009								72.1	
5/25/2010		0.509			6.44	12.3	79.4		199
5/26/2010			120					70.3	
6/1/2010	5.56			14.5					
6/2/2010									
11/9/2010		0.348			6.83		111	74.8	
11/10/2010	0.241		100	5.04		10.6			189
5/18/2011									
5/19/2011									186
5/24/2011		0.532			8.55		171	87.2	
5/25/2011	0.383		88.8	4.57		11.9			
11/9/2011				4.15					
11/10/2011		0.209			9.74	100			
11/11/2011			96.6						
11/12/2011	<1						182	97.9	49.9
5/17/2012			88.9						177
5/18/2012		0.471			8.72				
5/30/2012						61.3	194	103	
5/31/2012	0.426			4.05					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
11/9/2012		0.589	70.1		5.9	202	842 (O)	140	
11/10/2012				5.68					184
11/11/2012	0.455 (J)								
5/7/2013									195
5/8/2013		0.504	80.5		5.66		173		
5/9/2013						33.4			
5/13/2013	2.61			2.45				160	
11/5/2013			71.6						178
11/6/2013		<1			9.04		471 (O)	146	
11/11/2013						316			
11/12/2013	<1			11.8					
5/20/2014		0.325 (J)			7.25		145		
5/21/2014			80.4			162		217	
5/28/2014				14.6					201
5/29/2014	1.41								
11/17/2014		<1	71				110	97	
11/18/2014					10	370			
11/19/2014									150
11/20/2014				12					
4/7/2015		0.469 (J)	70.6			235	145	125	
4/14/2015	0.377 (J)			8.71	9.61				
4/15/2015									195
10/28/2015		0.28	12.2			737	82.7	106	
10/29/2015					10.2				147
11/3/2015	0.215			5.14					
11/4/2015									
6/23/2016	<1	<1	61	6.9	9.8	380			
6/24/2016							79	170	200
8/30/2016		<1			9.5				
8/31/2016	<1		57			600			
9/1/2016							94	130	200
9/2/2016				6.1					
10/24/2016					11				
10/25/2016	0.3 (J)	0.4 (J)	56			820	73	200	
10/26/2016				22					200
1/23/2017					11				
1/24/2017	<1	<1				370			
1/26/2017			57	5.1			110	130	
1/27/2017									200
4/11/2017	<1	<1			9.1	340	77	150	
4/12/2017			47	4					190
6/20/2017	<1	<1							
6/21/2017				4.6	10	540	75	130	200
6/22/2017			49						
10/25/2017	<1	<1	49		11	580			190
10/26/2017				5.4			61	110	
4/9/2018						230			
4/10/2018	<1	<1	46	6.7	9.5		58	130	
4/11/2018									200
10/16/2018	<1	<1			10	520		84	
10/17/2018			42	6.8			47		190
3/26/2019						430			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-3 (bg)	ARGWA-5 (bg)	ARGWC-7	ARGWC-15	ARGWA-12 (bg)	ARGWA-13 (bg)	ARGWC-17	ARGWC-16	ARGWC-18
3/27/2019	0.38 (J)	0.55 (J)		7.2	9.1				190
3/28/2019			45				59	220	
3/29/2019									
10/7/2019									
10/8/2019	0.7 (J)	0.7 (J)		31	55	950			
10/9/2019			42				57	210	180
4/6/2020									
4/7/2020	0.67 (J)	<1			8	270			
4/8/2020			39	5.9			47	200	
4/9/2020									190
6/23/2020									
6/24/2020							67	310	190
6/25/2020	1.6	<1	42	5.6		410			
6/26/2020					9				
9/29/2020	<1	<1	38	7.7	8.3	540	66	200	
9/30/2020									170
10/1/2020									
12/1/2020									
2/9/2021	<1	<1		7.1	11	520	73	190	
2/10/2021			43						220
2/11/2021									
3/29/2021									
9/7/2021					9	870			
9/8/2021	<1	<1		6.2			79	160	
9/9/2021									190
9/10/2021			39						
2/1/2022	1.4	0.77 (J)			7.8	360			
2/2/2022							74		
2/3/2022			21	5.6				250	200
8/30/2022		0.519			7.11				
8/31/2022	0.399 (J)		36.3	5.64		855		243	
9/2/2022							151		198
2/2/2023			35		6.71			348	195
2/3/2023	0.448	0.5		4.35		209	118		
2/7/2023									
8/9/2023	0.419				6.19	784	237		
8/10/2023		0.581	34.5	6.91				328	194
1/24/2024	0.371 (J)	0.525							
1/25/2024			35.2	4.79	7.05	537	142	372	208
8/20/2024	0.406				5.98				
8/21/2024		0.536	32.1	4.47		741	143	350	199
8/22/2024									
2/5/2025	0.453	0.614	46		6	311	118	405	199
2/13/2025				4.29					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
12/16/1997					
6/30/1998					
12/2/1998					
6/8/1999					
12/7/1999					
6/15/2000					
12/12/2000					
12/5/2001					
6/26/2002					
12/3/2002					
6/11/2003					
12/10/2003					
6/15/2004					
12/14/2004					
6/2/2005					
12/14/2005					
4/5/2006					
4/6/2006					
10/30/2006					
5/10/2007					
11/17/2007					
5/2/2008					
5/3/2008					
10/22/2008					
5/5/2009					
5/6/2009					
5/7/2009					
5/12/2009					
5/13/2009	0.984	0.938			
5/14/2009			109		
12/1/2009					
12/3/2009	0.544	0.422	107		
12/4/2009					
12/5/2009					
5/25/2010					
5/26/2010	0.37	0.262	109		
6/1/2010					
6/2/2010				129	
11/9/2010	0.299	<1	100		
11/10/2010				140	
5/18/2011			110		
5/19/2011	0.502	0.359		269	
5/24/2011					
5/25/2011					
11/9/2011				308	
11/10/2011					
11/11/2011	0.172	<1	107		
11/12/2011					
5/17/2012	0.438	0.398	98		
5/18/2012					
5/30/2012				296	
5/31/2012					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
11/9/2012	0.537	0.545	90.4		
11/10/2012					
11/11/2012				225	
5/7/2013	0.437	0.797	96.2		
5/8/2013					
5/9/2013				268	
5/13/2013					
11/5/2013			86.9		
11/6/2013	<1	0.86			
11/11/2013				132	
11/12/2013					
5/20/2014	0.304 (J)				
5/21/2014		1.02	106		
5/28/2014					
5/29/2014				216	
11/17/2014					
11/18/2014	<1	1.2	99		
11/19/2014				160	
11/20/2014					
4/7/2015	0.464 (J)	1.14	82.3		
4/14/2015				105	
4/15/2015					
10/28/2015	0.293	1.02	78		
10/29/2015					
11/3/2015					
11/4/2015				74.4	
6/23/2016	<1	1	78	18	
6/24/2016					
8/30/2016					
8/31/2016		1.1	72	19	
9/1/2016	<1				
9/2/2016					
10/24/2016					
10/25/2016	0.38 (J)	4.7 (O)		42	
10/26/2016			77		
1/23/2017				12	
1/24/2017					
1/26/2017		1.1	75		
1/27/2017	<1				
4/11/2017				7.1	
4/12/2017	<1	0.9 (J)	69		
6/20/2017				8.5	
6/21/2017			73		
6/22/2017	<1	0.99 (J)			
10/25/2017		0.95 (J)		9.1	
10/26/2017	<1		72		
4/9/2018				11	
4/10/2018					
4/11/2018	<1	0.9 (J)	69		
10/16/2018				14	
10/17/2018	<1	0.95 (J)	67		
3/26/2019					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-10	ARGWC-9	ARGWC-8	ARGWA-14 (bg)	ARGWA-24 (bg)
3/27/2019				15	
3/28/2019	0.38 (J)	1			
3/29/2019			66		
10/7/2019				12	
10/8/2019					
10/9/2019	0.59 (J)	1.5	63		
4/6/2020				10	
4/7/2020					
4/8/2020	<1				
4/9/2020		1.1	59		
6/23/2020	<1		62		
6/24/2020					
6/25/2020				3.3	
6/26/2020		0.94 (J)			
9/29/2020				4.1	
9/30/2020					
10/1/2020	<1	0.82 (J)	57		
12/1/2020					7.5
2/9/2021	1.3				8.5
2/10/2021		1.7	60		
2/11/2021				10	
3/29/2021					7.4
9/7/2021					
9/8/2021				3	6.8
9/9/2021		1.2	58		
9/10/2021	<1				
2/1/2022					6.8
2/2/2022	<1	1.4	59	8.6	
2/3/2022					
8/30/2022					
8/31/2022	0.494	1.31	54.1	2.58	6.94
9/2/2022					
2/2/2023	0.529	1.46	53.2		6.22
2/3/2023					
2/7/2023				2.52	
8/9/2023	0.541				6.34
8/10/2023		1.45	52.3	14.4	
1/24/2024				8.23	5.18
1/25/2024	0.519	1.49	52.7		
8/20/2024					5.37
8/21/2024	0.492	1.42	48.7		
8/22/2024				5.41	
2/5/2025	0.557	1.47	61.7	2.25	5.07
2/13/2025					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWA-14 (bg)	ARGWC-7	ARGWC-8	ARGWC-9	ARGWA-13 (bg)	ARGWC-10
8/30/2016	100	58							
8/31/2016			80	330	150	310	74	1000	
9/1/2016									100
9/2/2016									
10/24/2016	136								
10/25/2016		34	65	459	171		67	1280	65
10/26/2016						283			
1/23/2017	16			340					
1/24/2017		120	70					590	
1/26/2017					120	300	84		
1/27/2017									86
4/11/2017	120	76	64	300				610	
4/12/2017					150	310	88		110
6/20/2017		36	52	210					
6/21/2017	140					300		880	
6/22/2017					130		76		82
10/25/2017	120	64	72	280	130		60	900	
10/26/2017						270			38
4/9/2018				280				440	
4/10/2018	130	60	86		140				
4/11/2018						240	24		50
10/16/2018	150	54	74	48				910	
10/17/2018					180	120	96		120
3/26/2019								750	
3/27/2019	110	61	69	330					
3/28/2019					130		77		82
3/29/2019						290			
10/7/2019				230					
10/8/2019	130	68	66					1500	
10/9/2019					130	290	75		92
4/6/2020				280					
4/7/2020	120	65	64					480	
4/8/2020					130				82
4/9/2020						270	70		
9/29/2020	130	61	62	210	140			880	
9/30/2020									
10/1/2020						270	55		93
12/1/2020									
2/9/2021	140	73	62					890	81
2/10/2021					110	270	71		
2/11/2021				290					
3/29/2021									
9/7/2021	140							1500	
9/8/2021		86	79	170					
9/9/2021						270	70		
9/10/2021					130				100
2/1/2022	130	76	75					600	
2/2/2022				310		260	67		96
2/3/2022					120				
8/30/2022	139	81							
8/31/2022			65	177	101	248	63	1290	69
9/2/2022									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWA-12 (bg)	ARGWA-5 (bg)	ARGWA-3 (bg)	ARGWA-14 (bg)	ARGWC-7	ARGWC-8	ARGWC-9	ARGWA-13 (bg)	ARGWC-10
2/2/2023	128				106	249	77		84
2/3/2023		76	63					377	
2/7/2023				144					
8/9/2023	110		50					1240	72
8/10/2023		105		301	101	234	50		
1/24/2024		107	81	304					
1/25/2024	117				97	240	53	815	88
8/20/2024	120		80						
8/21/2024		127			119	266	74	1250	90
8/22/2024				309					
2/5/2025	90	105	63	133	87	214	58	512	69
2/13/2025									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-18	ARGWC-16	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
8/30/2016					
8/31/2016					
9/1/2016	450	240	220		
9/2/2016				150	
10/24/2016					
10/25/2016		304	114		
10/26/2016	404			125	
1/23/2017					
1/24/2017					
1/26/2017		170	170	86	
1/27/2017	460				
4/11/2017		260	160		
4/12/2017	430			140	
6/20/2017					
6/21/2017	430	230	140	120	
6/22/2017					
10/25/2017	380				
10/26/2017		170	120	96	
4/9/2018					
4/10/2018		260	110	130	
4/11/2018	430				
10/16/2018		140			
10/17/2018	470		140	160	
3/26/2019					
3/27/2019	430			150	
3/28/2019		370	120		
3/29/2019					
10/7/2019					
10/8/2019				130	
10/9/2019	420	350	120		
4/6/2020					
4/7/2020					
4/8/2020		350	91	130	
4/9/2020	440				
9/29/2020		340	140	130	
9/30/2020	390				
10/1/2020					
12/1/2020					120
2/9/2021		310	120	140	110
2/10/2021	460				
2/11/2021					
3/29/2021					120
9/7/2021					
9/8/2021		280	150	150	120
9/9/2021	480				
9/10/2021					
2/1/2022					120
2/2/2022			150		
2/3/2022	450	400		150	
8/30/2022					
8/31/2022		375		125	122
9/2/2022	444		240		

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 5/21/2025 8:58 AM View: Appendix III - Interwell PLs

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-18	ARGWC-16	ARGWC-17	ARGWC-15	ARGWA-24 (bg)
2/2/2023	446	545			90
2/3/2023			174	117	
2/7/2023					
8/9/2023			360		88
8/10/2023	444	537		142	
1/24/2024					121
1/25/2024	446	547	219	129	
8/20/2024					95
8/21/2024	460	601	235	168	
8/22/2024					
2/5/2025	428	637	155		96
2/13/2025				114	

FIGURE F.

Appendix III - Trend Tests - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 9:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**ARGWA-13 (bg)**	**0.08123**	**138**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**ARGWA-24 (bg)**	**-0.01972**	**-39**	**-34**	**Yes**	**11**	**36.36**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**ARGWC-17**	**-0.04639**	**-167**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-13 (bg)**	**44.68**	**325**	**199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-14 (bg)**	**-12.12**	**-423**	**-184**	**Yes**	**35**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-24 (bg)**	**-0.6036**	**-44**	**-34**	**Yes**	**11**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-7**	**-5.861**	**-7.761**	**-2.58**	**Yes**	**44**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-8**	**-4.015**	**-584**	**-199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-9**	**0.0721**	**359**	**191**	**Yes**	**36**	**5.556**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-16**	**15.95**	**442**	**199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - Trend Tests - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 9:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	ARGWA-3 (bg)	0	-45	-92	No	22	77.27	n/a	n/a	0.01	NP
Boron (mg/L)	ARGWA-5 (bg)	0	-57	-92	No	22	72.73	n/a	n/a	0.01	NP
Boron (mg/L)	ARGWA-12 (bg)	-0.0006181	-50	-92	No	22	40.91	n/a	n/a	0.01	NP
Boron (mg/L)	**ARGWA-13 (bg)**	**0.08123**	**138**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	ARGWA-14 (bg)	-0.000245	-11	-92	No	22	18.18	n/a	n/a	0.01	NP
Boron (mg/L)	**ARGWA-24 (bg)**	**-0.01972**	**-39**	**-34**	**Yes**	**11**	**36.36**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	ARGWC-18	0.01902	46	92	No	22	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-3 (bg)	0.01615	72	118	No	26	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-5 (bg)	-0.01597	-64	-118	No	26	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-12 (bg)	-0.009193	-58	-105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-13 (bg)	0.002338	11	105	No	24	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-14 (bg)	-0.01533	-50	-152	No	31	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWA-24 (bg)	-0.02124	-10	-34	No	11	0	n/a	n/a	0.01	NP
pH, Field (SU)	ARGWC-16	-0.01	-85	-118	No	26	0	n/a	n/a	0.01	NP
pH, Field (SU)	**ARGWC-17**	**-0.04639**	**-167**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWA-3 (bg)	-0.001856	-1.445	-2.58	No	58	31.03	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWA-5 (bg)	0	-0.6971	-2.58	No	59	30.51	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWA-12 (bg)	-0.1658	-134	-199	No	37	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**ARGWA-13 (bg)**	**44.68**	**325**	**199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-14 (bg)**	**-12.12**	**-423**	**-184**	**Yes**	**35**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWA-24 (bg)**	**-0.6036**	**-44**	**-34**	**Yes**	**11**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-7**	**-5.861**	**-7.761**	**-2.58**	**Yes**	**44**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-8**	**-4.015**	**-584**	**-199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**ARGWC-9**	**0.0721**	**359**	**191**	**Yes**	**36**	**5.556**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWC-10	0.001664	130	199	No	37	40.54	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWC-15	0.07351	68	206	No	38	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**ARGWC-16**	**15.95**	**442**	**199**	**Yes**	**37**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	ARGWC-17	-0.597	-35	-184	No	35	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	ARGWC-18	0.7244	153	199	No	37	0	n/a	n/a	0.01	NP

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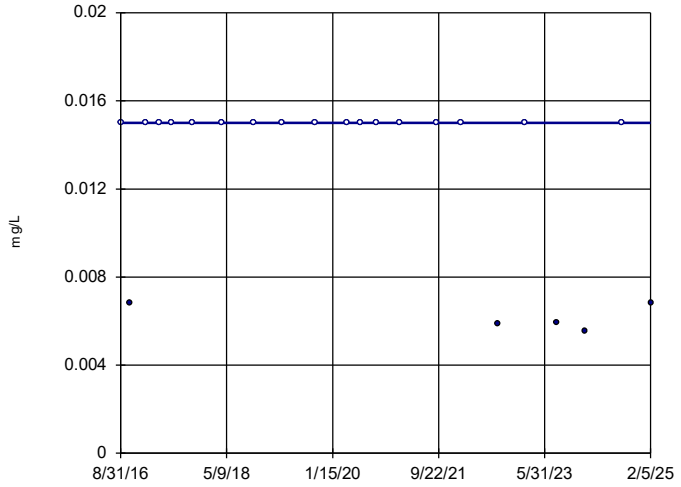
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-3 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -45
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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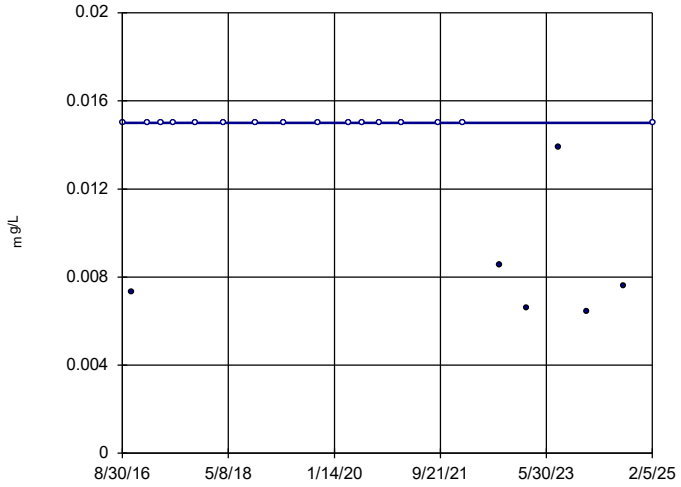
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-5 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -57
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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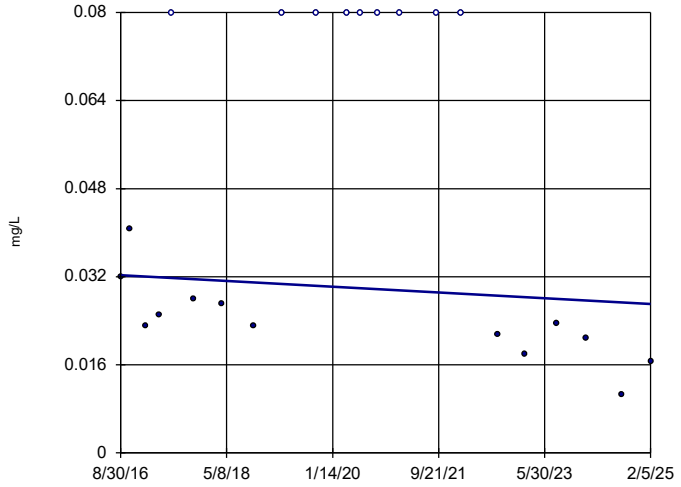
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-12 (bg)



n = 22

Slope = -0.0006181 units per year.

Mann-Kendall statistic = -50
critical = -92

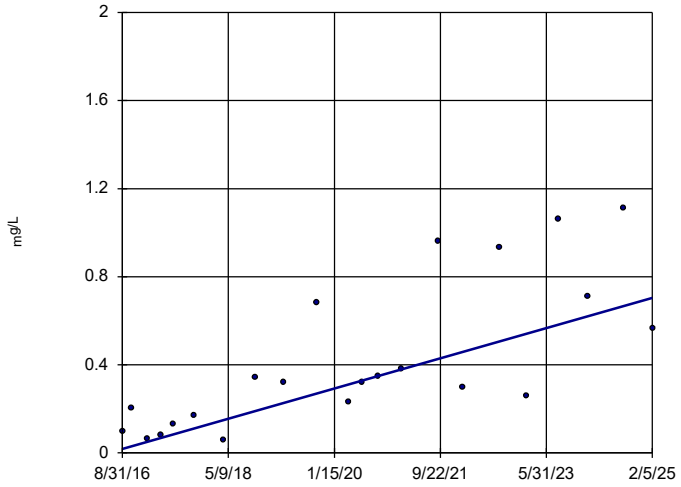
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

ARGWA-13 (bg)



n = 22

Slope = 0.08123 units per year.

Mann-Kendall statistic = 138
critical = 92

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

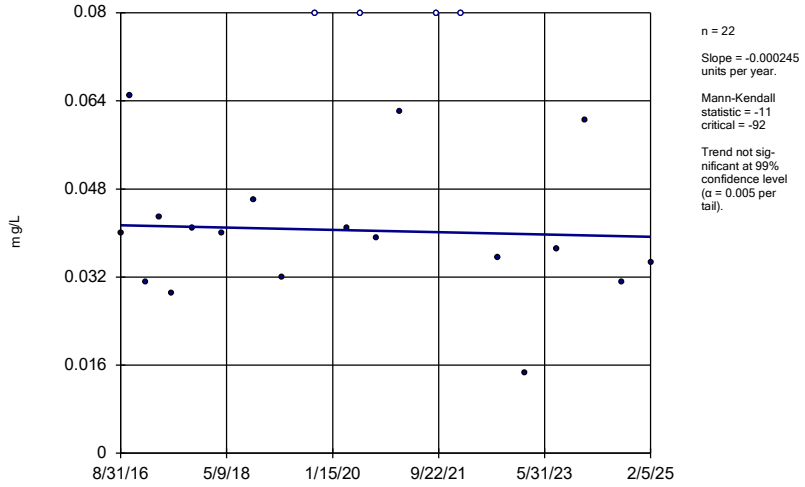
Constituent: Boron Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-14 (bg)



n = 22

Slope = -0.000245 units per year.

Mann-Kendall statistic = -11
critical = -92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend

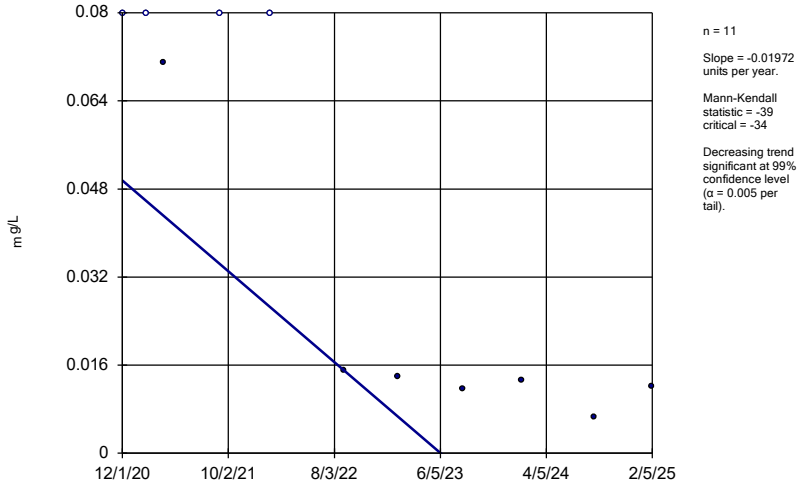
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-24 (bg)



n = 11

Slope = -0.01972 units per year.

Mann-Kendall statistic = -39
critical = -34

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

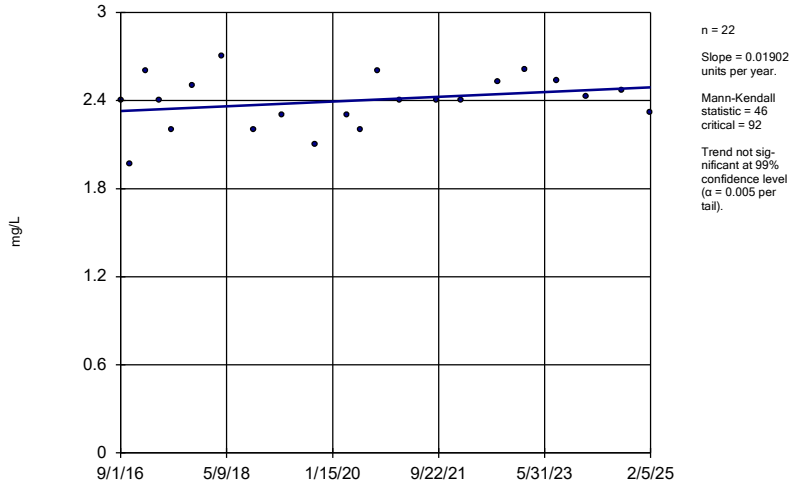
Constituent: Boron Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

ARGWC-18



n = 22

Slope = 0.01902 units per year.

Mann-Kendall statistic = 46
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

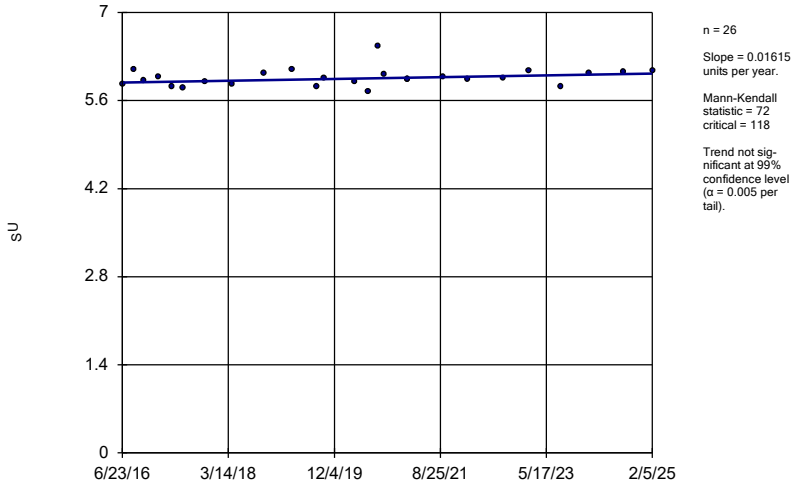
Constituent: Boron Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

ARGWA-3 (bg)



n = 26

Slope = 0.01615 units per year.

Mann-Kendall statistic = 72
critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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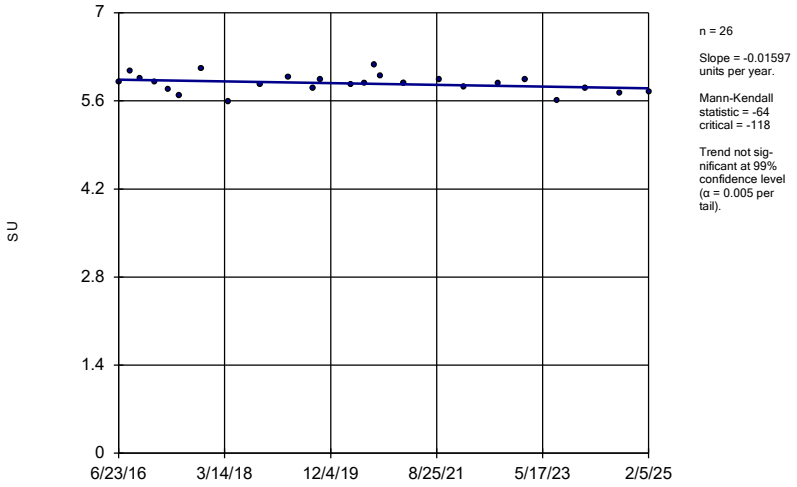
Sen's Slope Estimator

ARGWA-5 (bg)



n = 26

Slope = -0.01597 units per year.

Mann-Kendall statistic = -64 critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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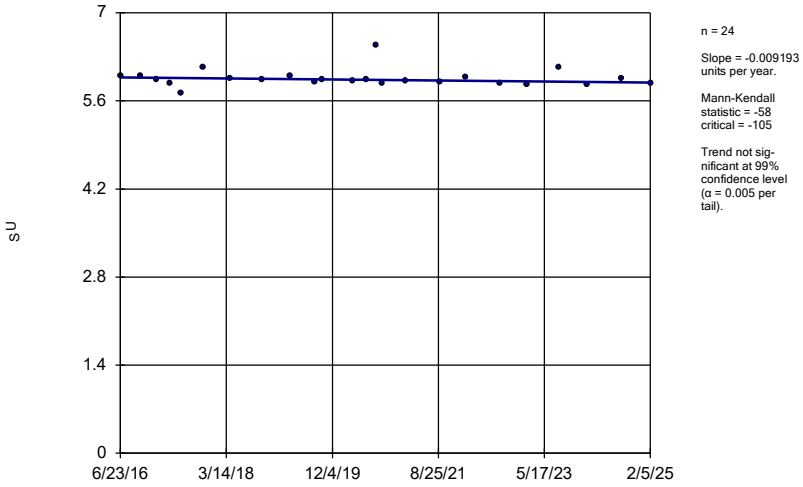
Sen's Slope Estimator

ARGWA-12 (bg)



n = 24

Slope = -0.009193 units per year.

Mann-Kendall statistic = -58 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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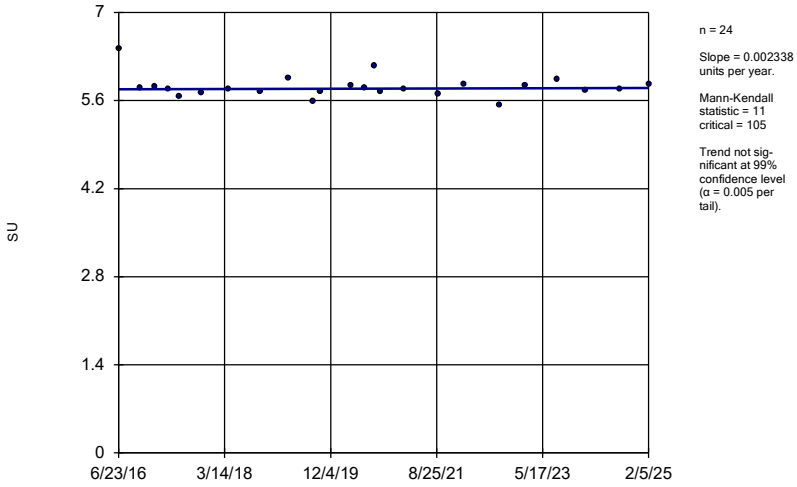
Sen's Slope Estimator

ARGWA-13 (bg)



n = 24

Slope = 0.002338 units per year.

Mann-Kendall statistic = 11 critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

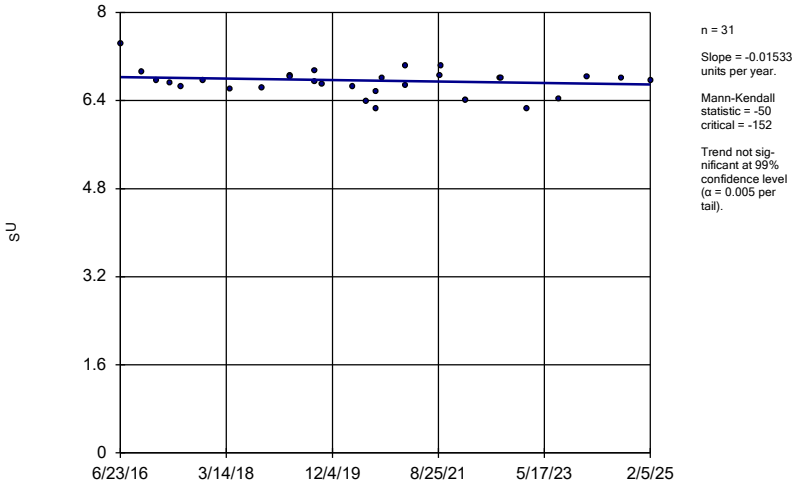
Constituent: pH, Field Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

ARGWA-14 (bg)



n = 31

Slope = -0.01533 units per year.

Mann-Kendall statistic = -50 critical = -152

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/21/2025 9:26 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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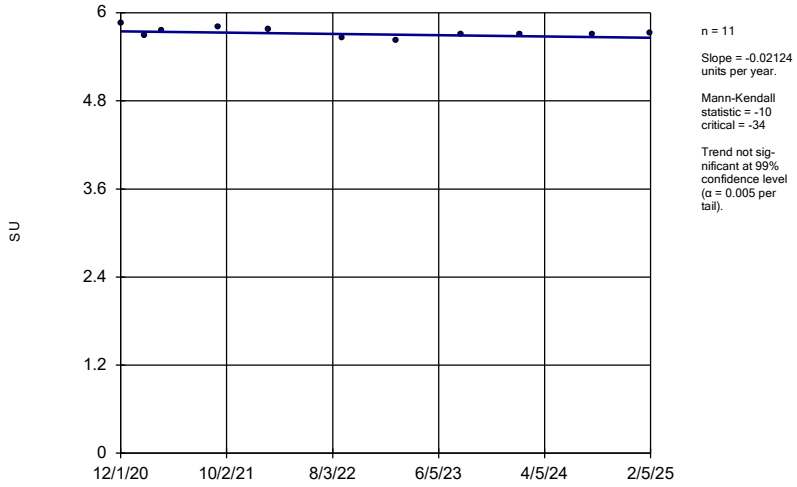
Sen's Slope Estimator

ARGWA-24 (bg)



n = 11

Slope = -0.02124 units per year.

Mann-Kendall statistic = -10
critical = -34

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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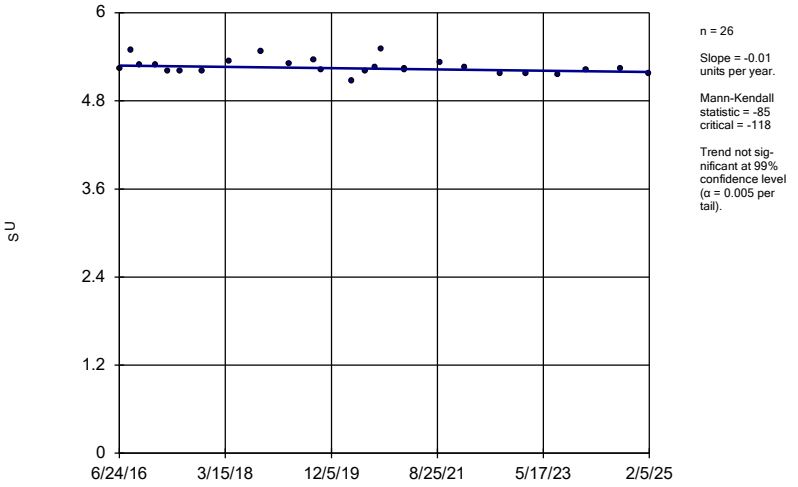
Sen's Slope Estimator

ARGWC-16



n = 26

Slope = -0.01 units per year.

Mann-Kendall statistic = -85
critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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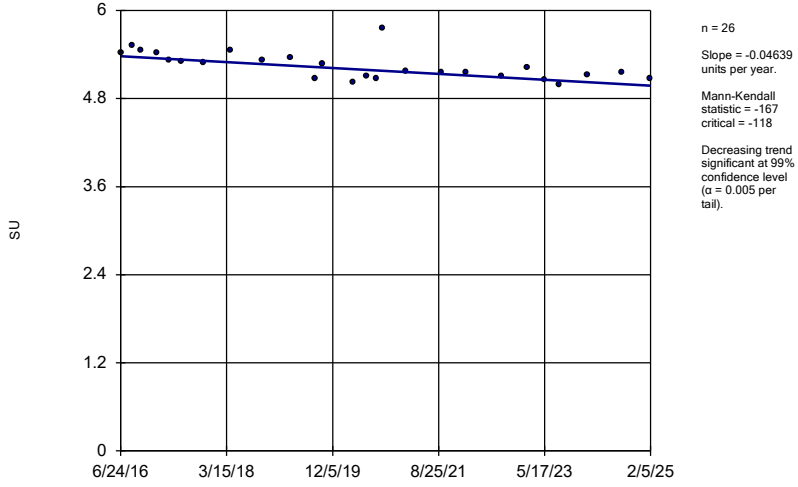
Sen's Slope Estimator

ARGWC-17



n = 26

Slope = -0.04639 units per year.

Mann-Kendall statistic = -167
critical = -118

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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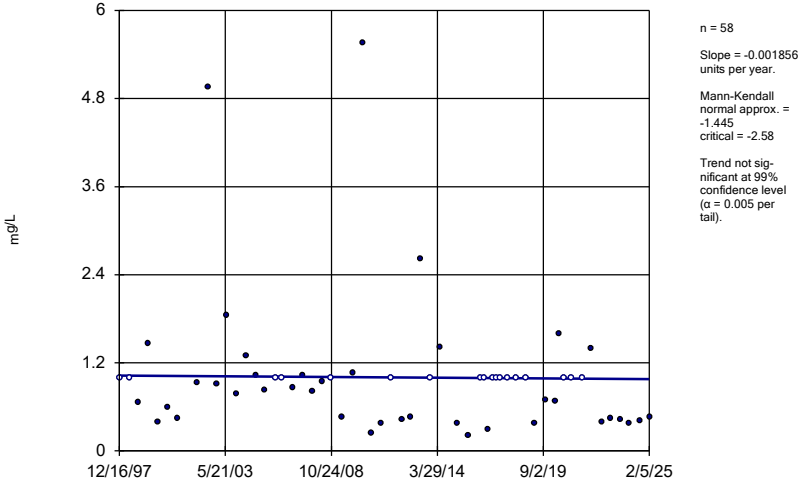
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-3 (bg)



n = 58

Slope = -0.001856 units per year.

Mann-Kendall normal approx. = -1.445
critical = -2.58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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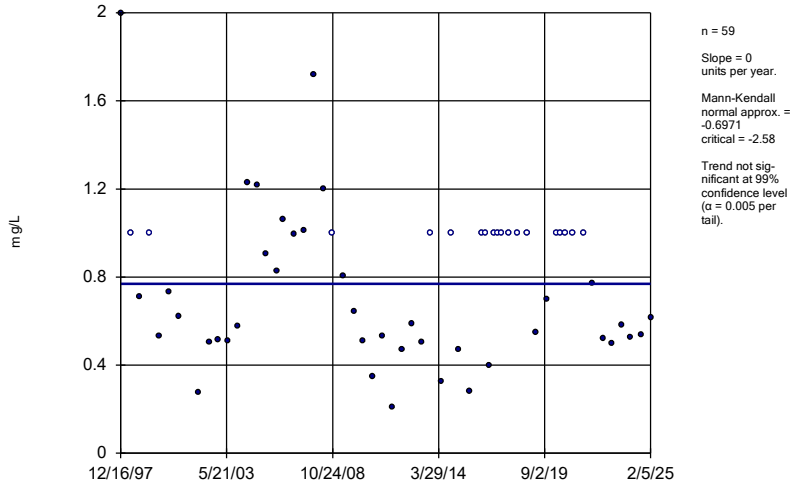
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-5 (bg)



n = 59

Slope = 0 units per year.

Mann-Kendall normal approx. = -0.6971 critical = -2.58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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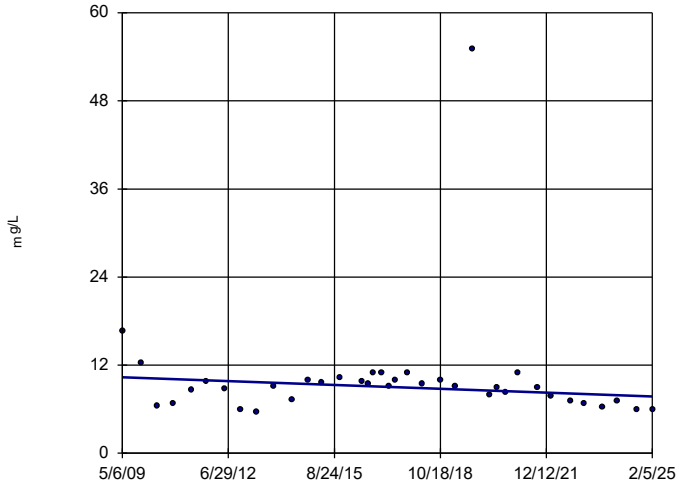
Sen's Slope Estimator

ARGWA-12 (bg)



n = 37

Slope = -0.1658 units per year.

Mann-Kendall statistic = -134 critical = -199

Trend not significant at 99% confidence level (α = 0.005 per tail).

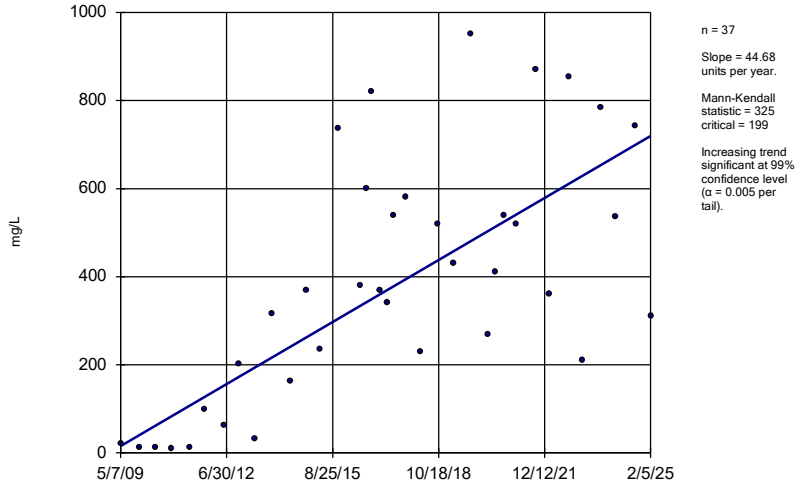
Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

ARGWA-13 (bg)



n = 37

Slope = 44.68 units per year.

Mann-Kendall statistic = 325 critical = 199

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

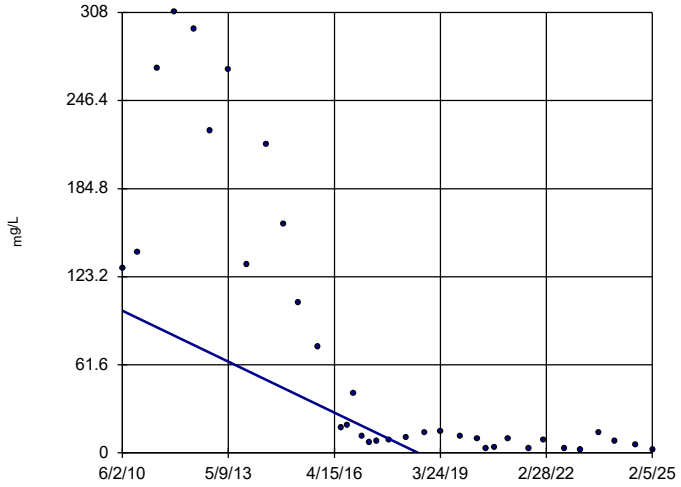
Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

ARGWA-14 (bg)



n = 35

Slope = -12.12 units per year.

Mann-Kendall statistic = -423 critical = -184

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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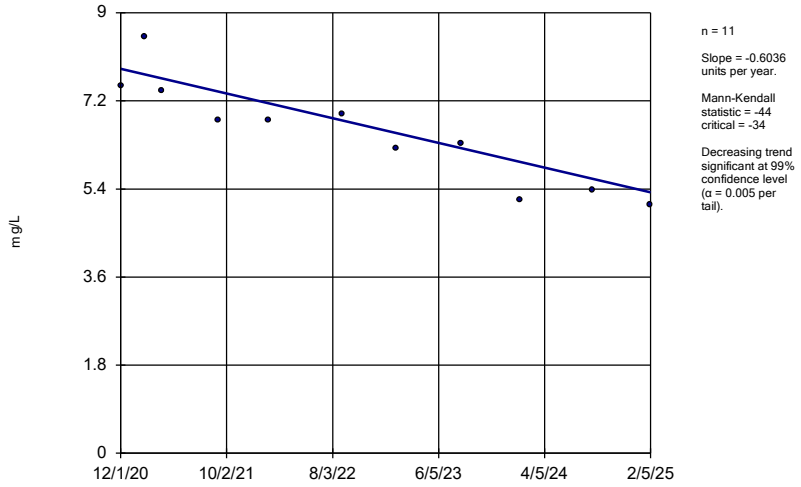
Sen's Slope Estimator

ARGWA-24 (bg)



n = 11

Slope = -0.6036 units per year.

Mann-Kendall statistic = -44 critical = -34

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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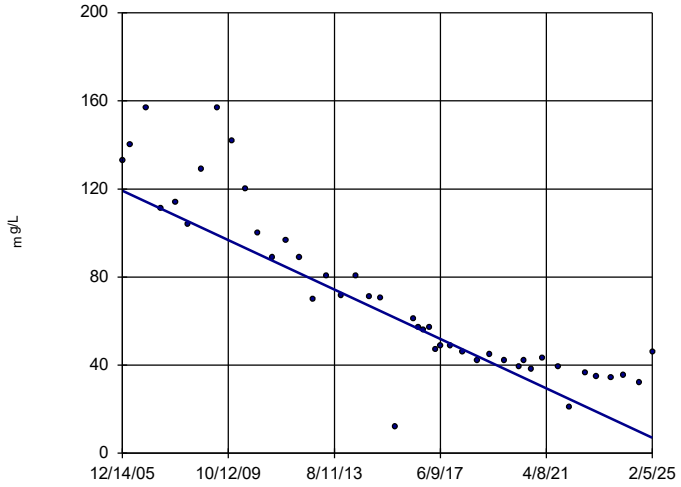
Sen's Slope Estimator

ARGWC-7



n = 44

Slope = -5.861 units per year.

Mann-Kendall normal approx. = -7.761 critical = -2.58

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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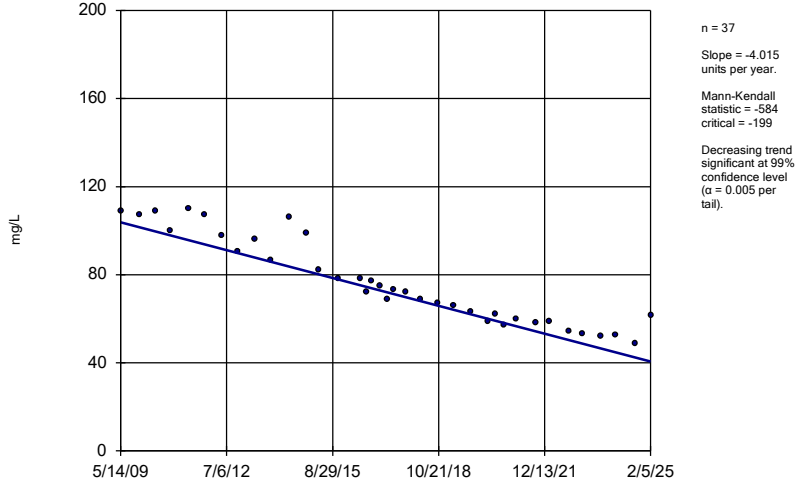
Sen's Slope Estimator

ARGWC-8



n = 37

Slope = -4.015 units per year.

Mann-Kendall statistic = -584 critical = -199

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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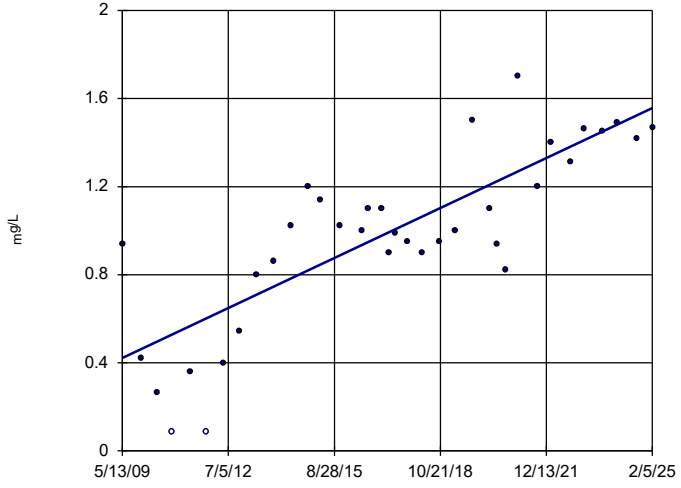
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWC-9



n = 36

Slope = 0.0721 units per year.

Mann-Kendall statistic = 359 critical = 191

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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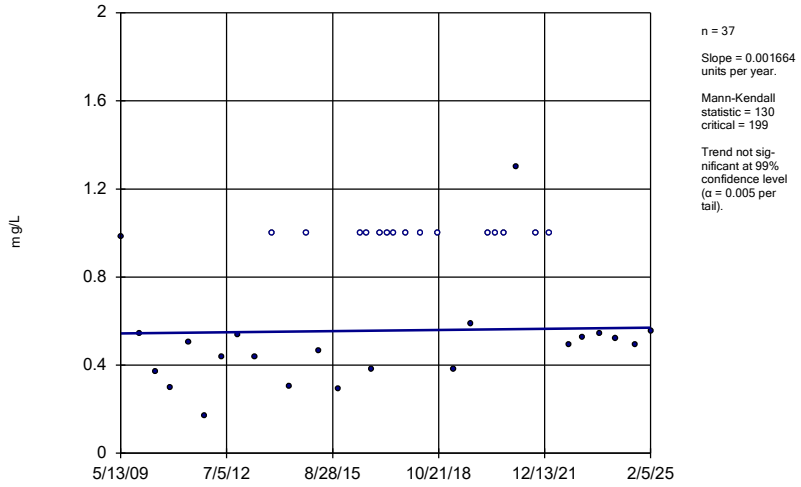
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWC-10



n = 37

Slope = 0.001664 units per year.

Mann-Kendall statistic = 130
critical = 199

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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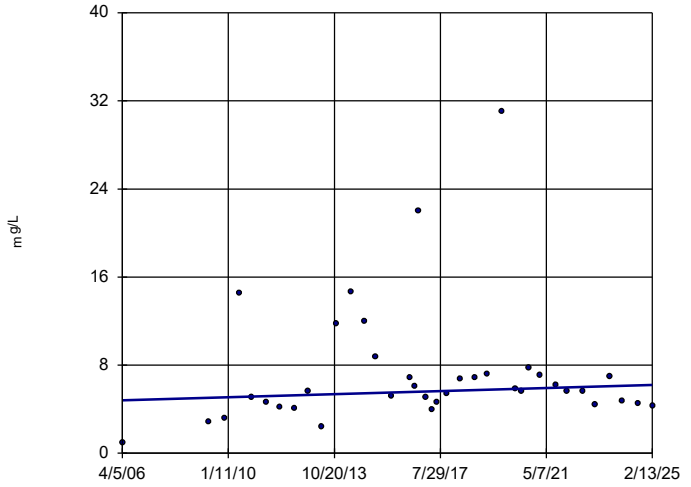
Sen's Slope Estimator

ARGWC-15



n = 38

Slope = 0.07351 units per year.

Mann-Kendall statistic = 68
critical = 206

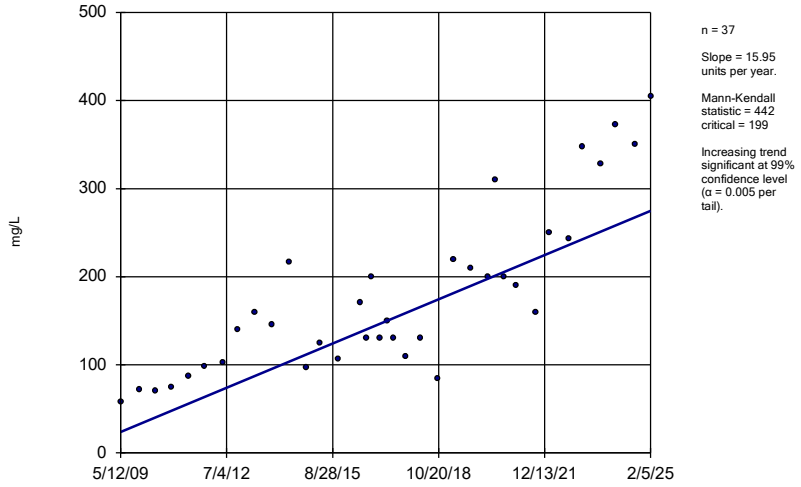
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

ARGWC-16



n = 37

Slope = 15.95 units per year.

Mann-Kendall statistic = 442
critical = 199

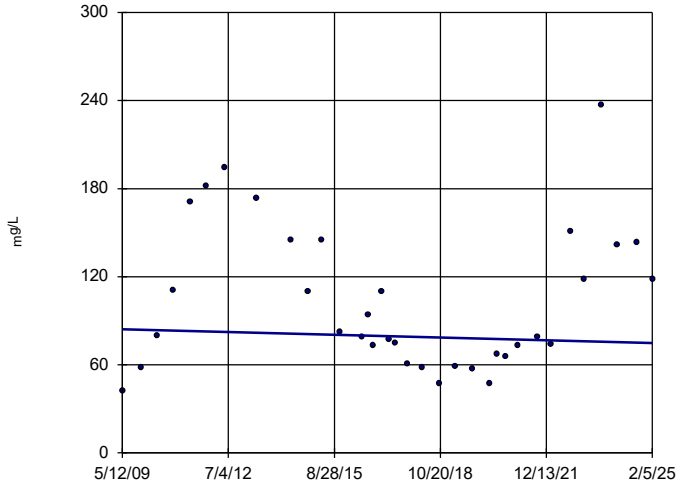
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

ARGWC-17



n = 35

Slope = -0.597 units per year.

Mann-Kendall statistic = -35
critical = -184

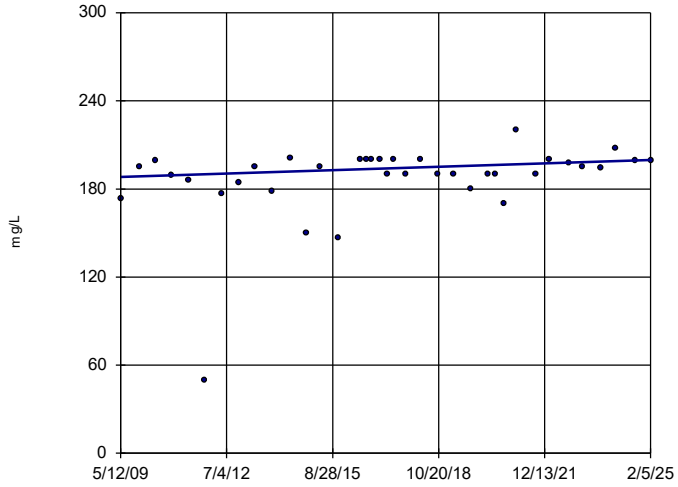
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

ARGWC-18



n = 37

Slope = 0.7244 units per year.

Mann-Kendall statistic = 153 critical = 199

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/21/2025 9:27 AM View: Appendix III - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

FIGURE G.

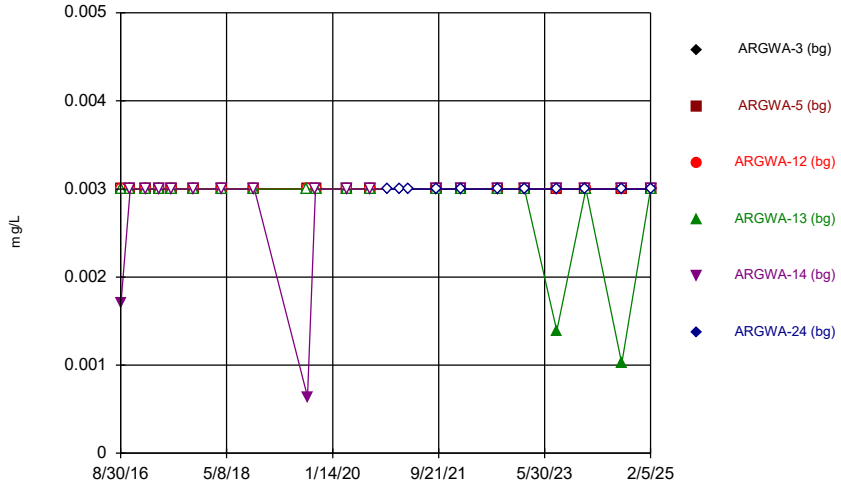
Upper Tolerance Limits

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/21/2025, 9:05 AM

Constituent	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.003	n/a	n/a	n/a	111	96.4	n/a	0.003368	NP Inter(NDs)
Arsenic (mg/L)	0.00593	n/a	n/a	n/a	242	82.23	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	0.24	n/a	n/a	n/a	240	0	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	0.0005	n/a	n/a	n/a	121	97.52	n/a	0.002016	NP Inter(NDs)
Cadmium (mg/L)	0.0043	n/a	n/a	n/a	240	95	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	0.0139	n/a	n/a	n/a	121	69.42	n/a	0.002016	NP Inter(NDs)
Cobalt (mg/L)	0.0058	n/a	n/a	n/a	126	80.95	n/a	0.00156	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	4.25	n/a	n/a	n/a	121	0	n/a	0.002016	NP Inter(normality)
Fluoride (mg/L)	0.53	n/a	n/a	n/a	131	28.24	n/a	0.001207	NP Inter(normality)
Lead (mg/L)	0.013	n/a	n/a	n/a	240	90.83	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	0.01	n/a	n/a	n/a	125	47.2	n/a	0.001642	NP Inter(normality)
Mercury (mg/L)	0.0002	n/a	n/a	n/a	106	97.17	n/a	0.004352	NP Inter(NDs)
Molybdenum (mg/L)	0.004	n/a	n/a	n/a	126	82.54	n/a	0.00156	NP Inter(NDs)
Selenium (mg/L)	0.034	n/a	n/a	n/a	242	82.64	n/a	NaN	NP Inter(NDs)
Silver (mg/L)	0.0051	n/a	n/a	n/a	209	95.22	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	0.002	n/a	n/a	n/a	121	94.21	n/a	0.002016	NP Inter(NDs)

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

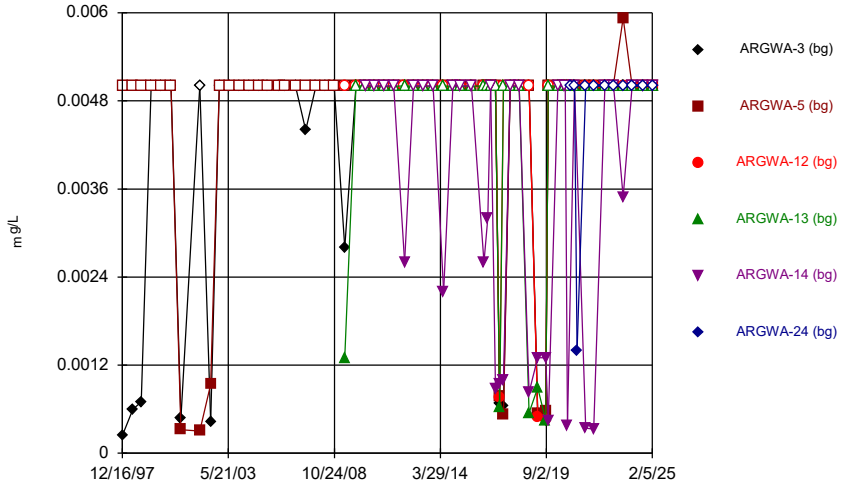
Time Series



Constituent: Antimony Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

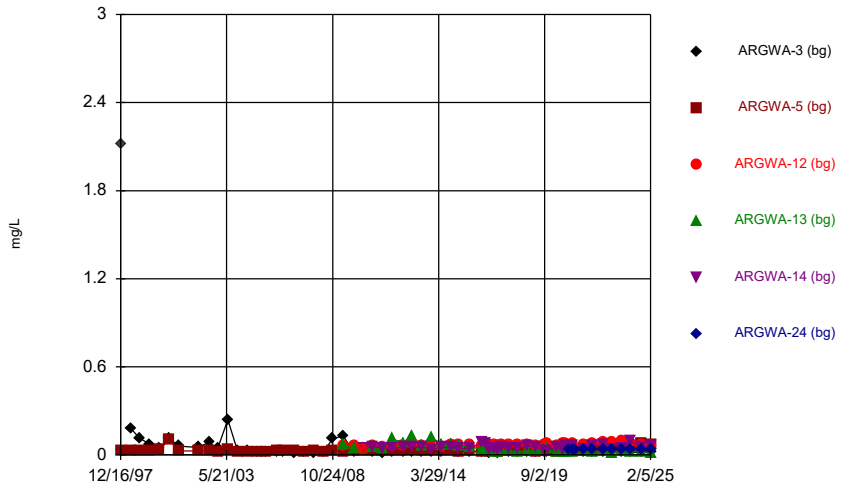
Time Series



Constituent: Arsenic Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

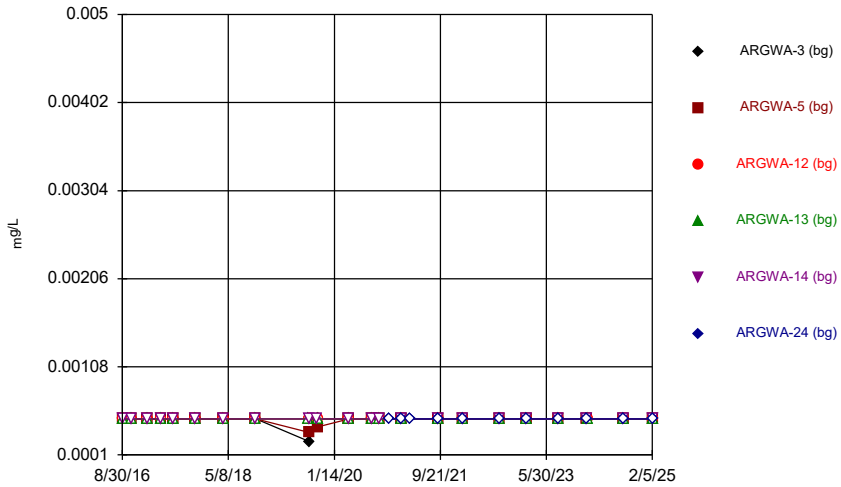
Time Series



Constituent: Barium Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

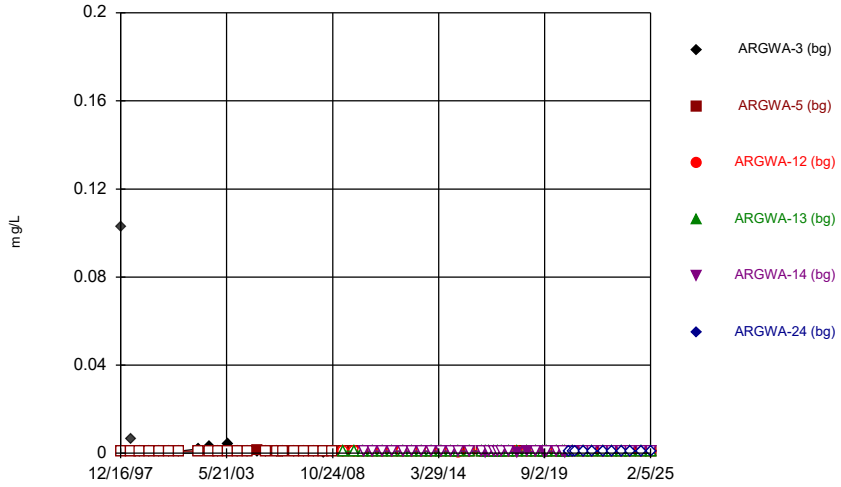
Time Series



Constituent: Beryllium Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

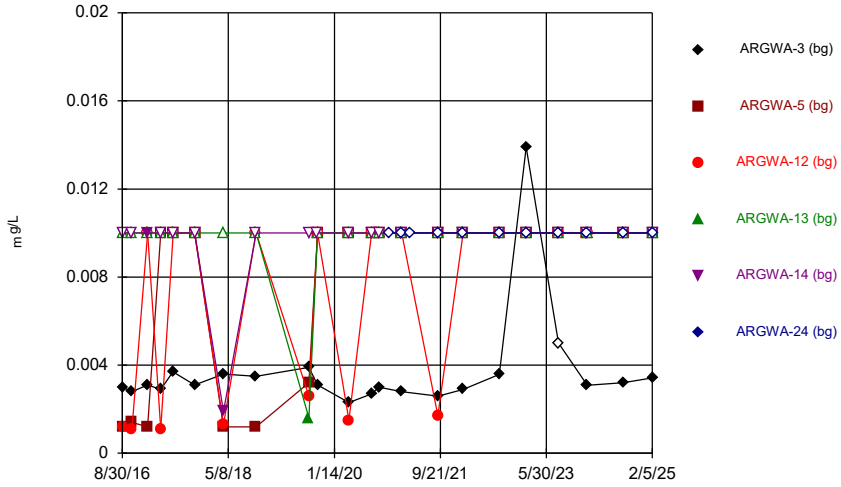
Time Series



Constituent: Cadmium Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

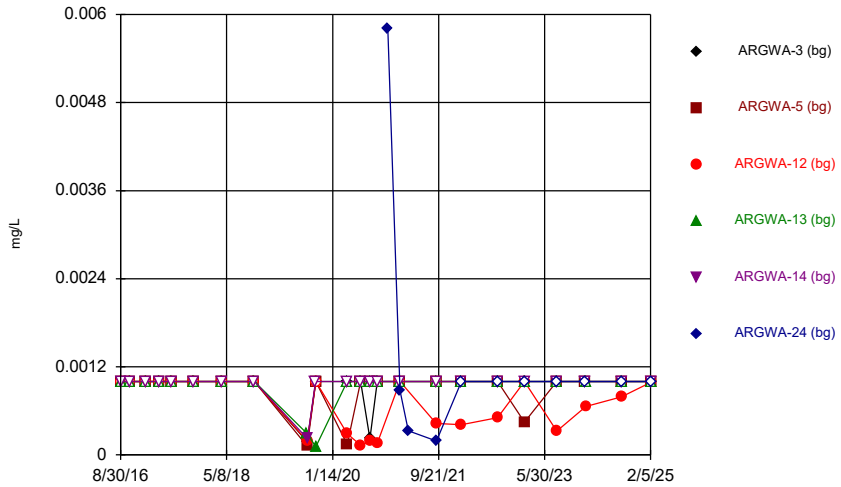
Time Series



Constituent: Chromium Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

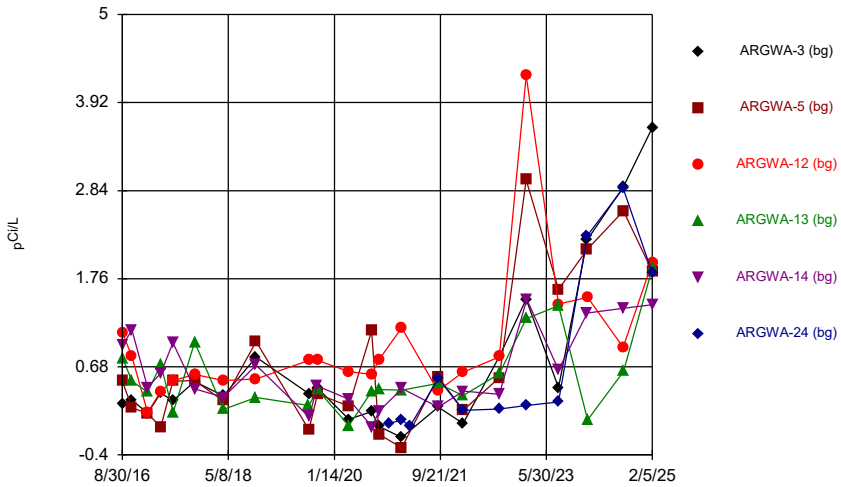
Time Series



Constituent: Cobalt Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

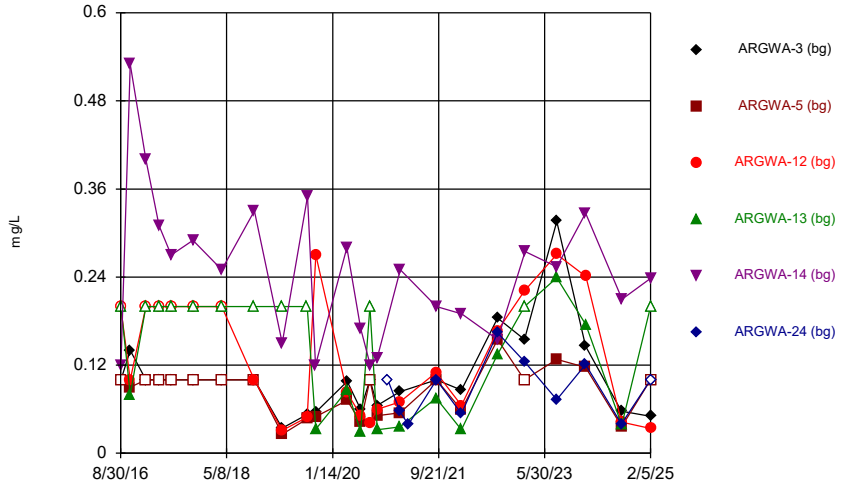
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

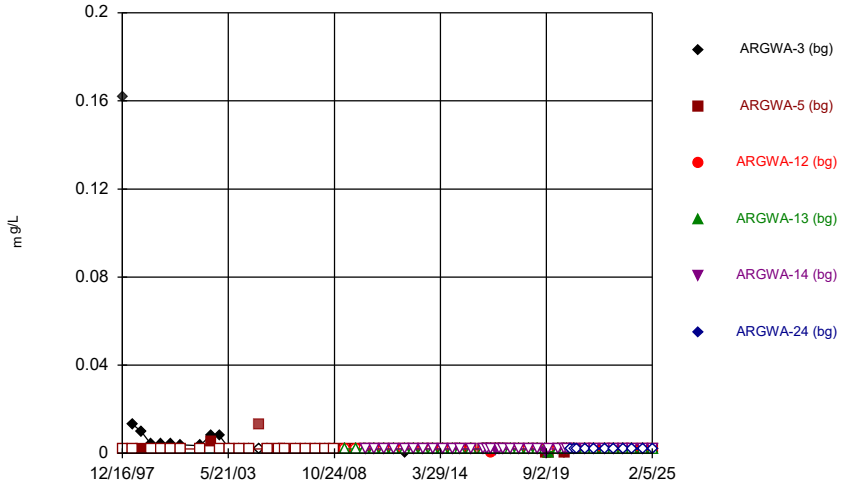
Time Series



Constituent: Fluoride Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

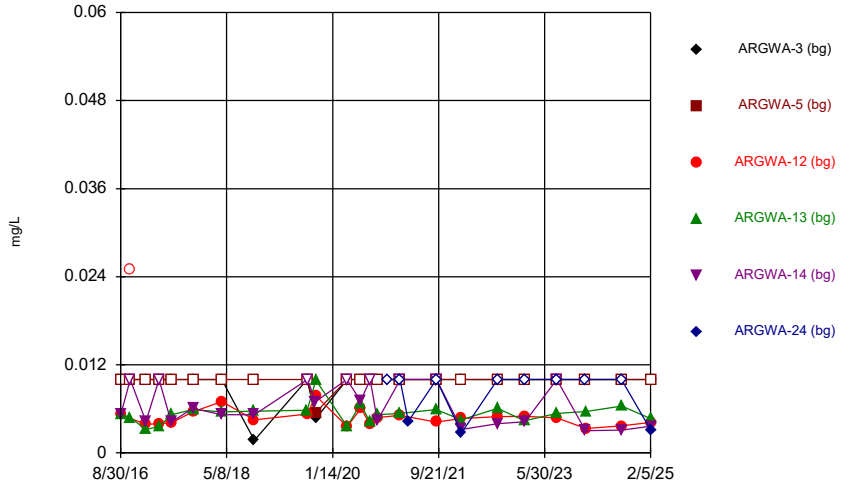
Time Series



Constituent: Lead Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

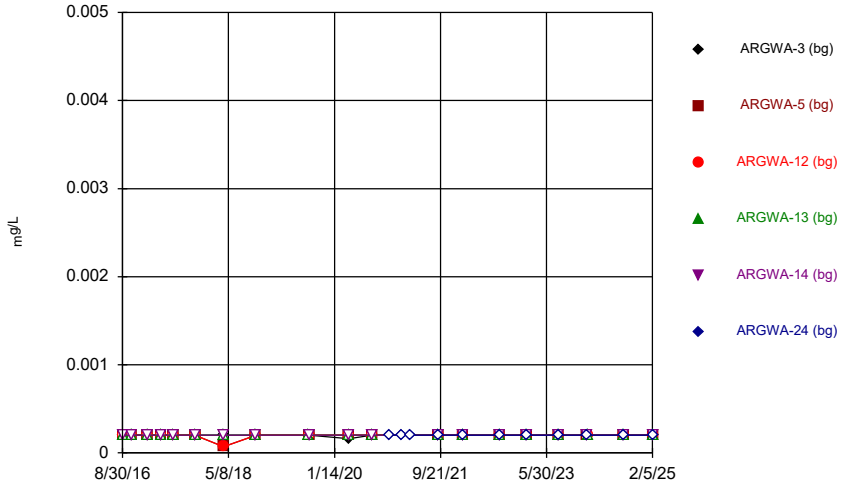
Time Series



Constituent: Lithium Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

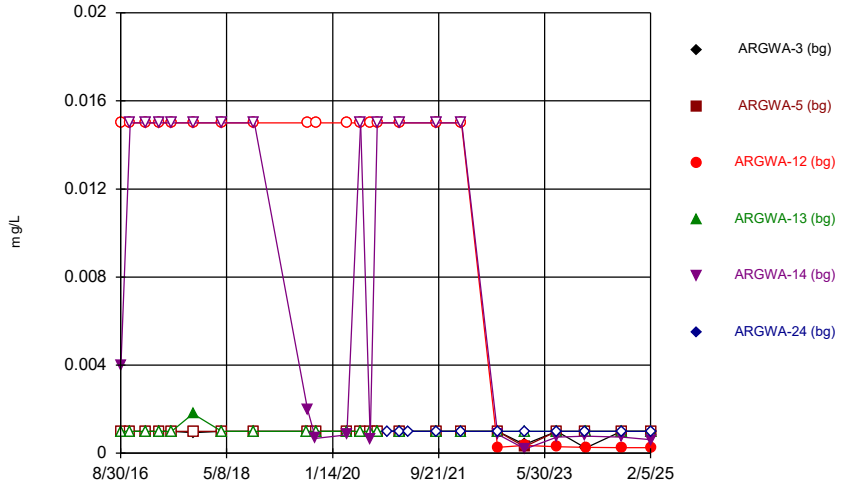
Time Series



Constituent: Mercury Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

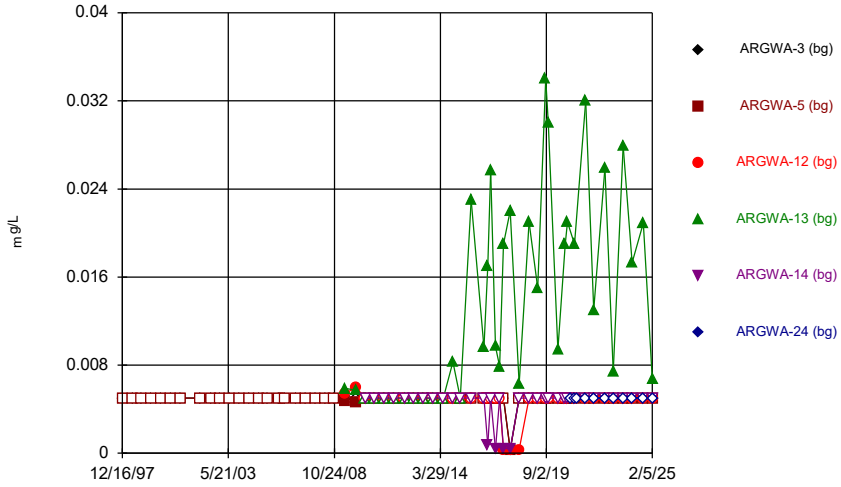
Time Series



Constituent: Molybdenum Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

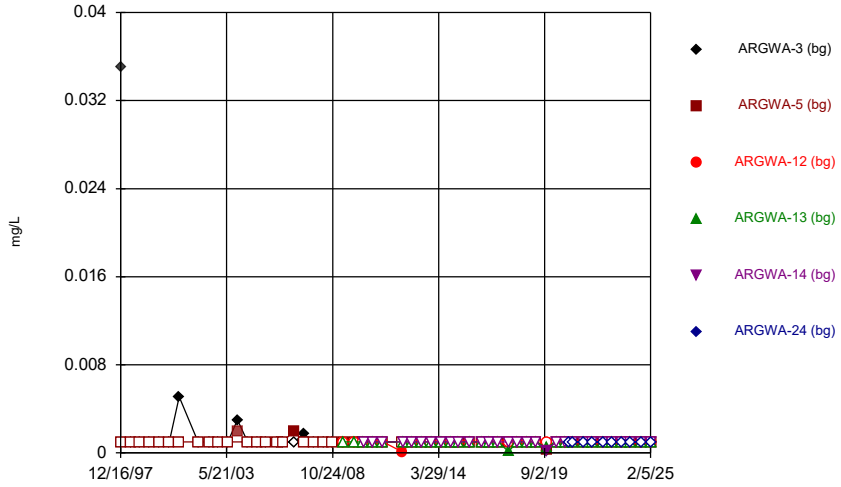
Time Series



Constituent: Selenium Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

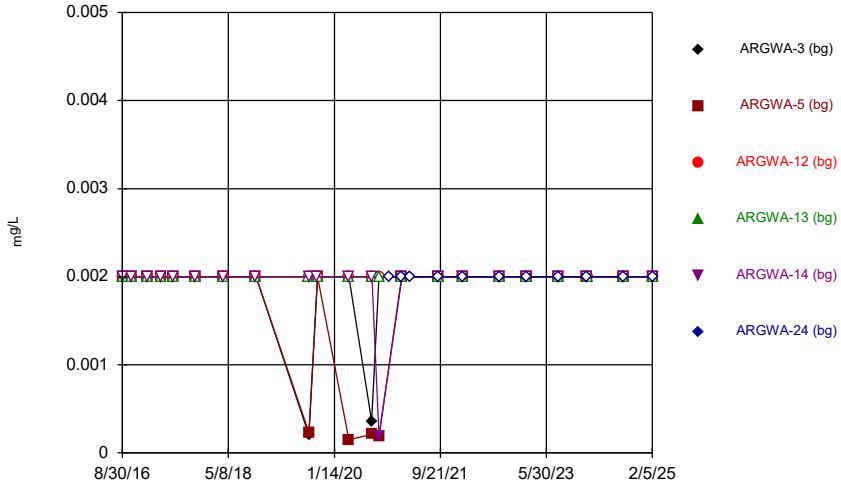
Time Series



Constituent: Silver Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

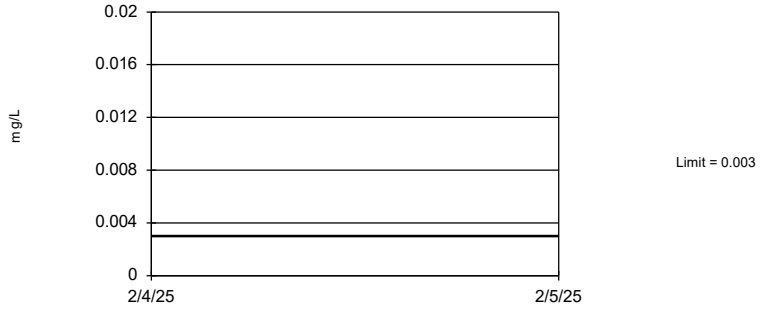


Constituent: Thallium Analysis Run 5/21/2025 9:05 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 111 background values. 96.4% NDs. 95.9% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.003368.

Constituent: Antimony Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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Tolerance Limit

Interwell Non-parametric

Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 242 background values. 82.23% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Arsenic Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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Tolerance Limit

Interwell Non-parametric

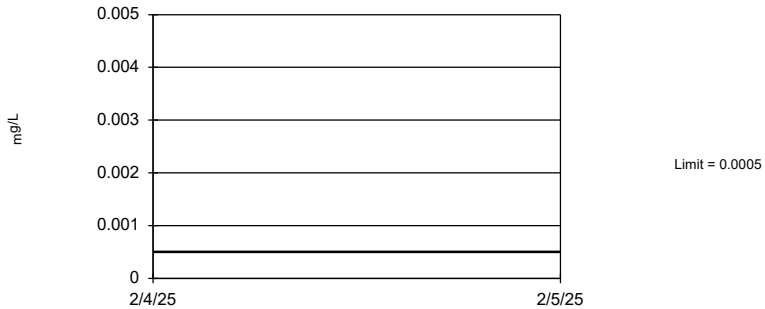
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 240 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Barium Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 121 background values. 97.52% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002016.

Constituent: Beryllium Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

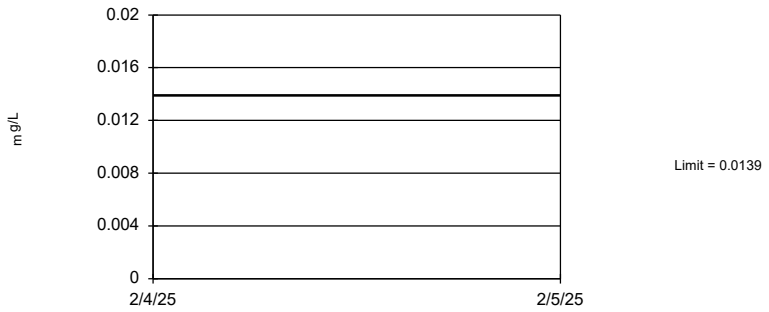
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 240 background values. 95% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cadmium Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



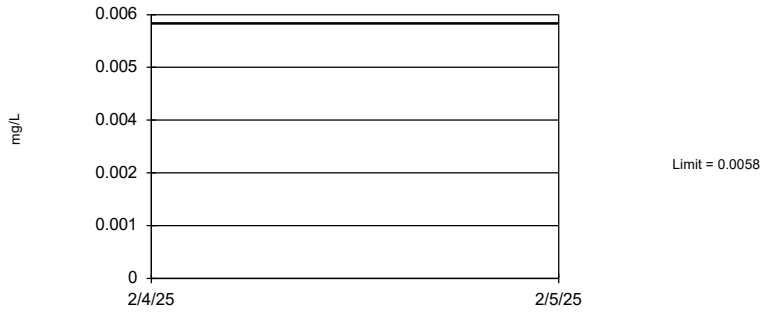
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 121 background values. 69.42% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002016.

Constituent: Chromium Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



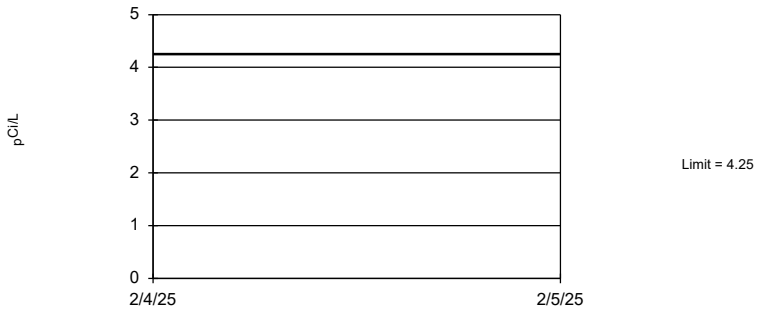
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 126 background values. 80.95% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.00156.

Constituent: Cobalt Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



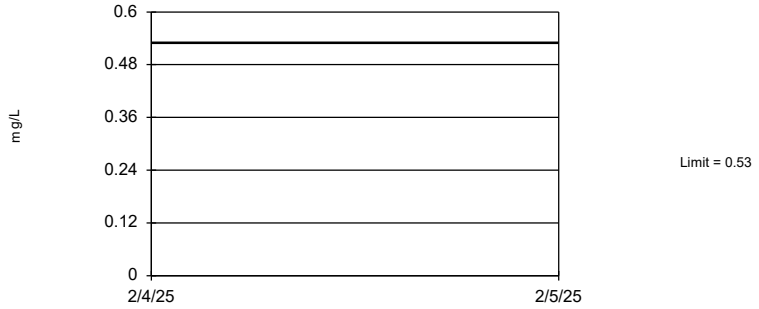
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 121 background values. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002016.

Constituent: Combined Radium 226 + 228 Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



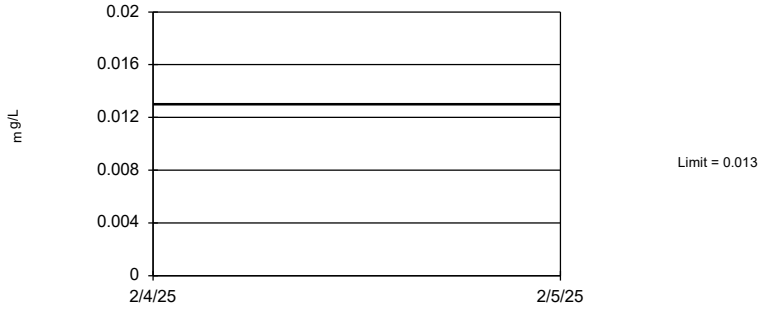
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 131 background values. 28.24% NDs. 96.68% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.001207.

Constituent: Fluoride Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 240 background values. 90.83% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lead Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

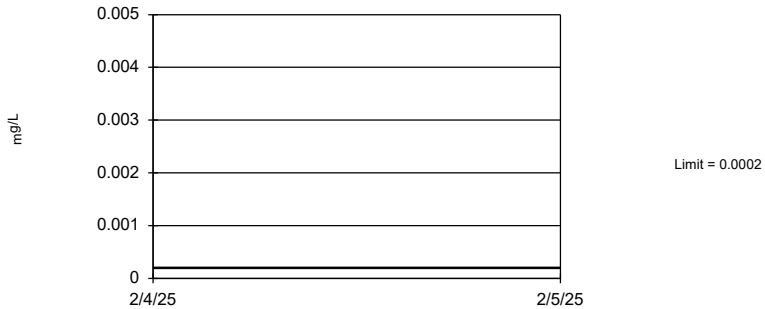
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 125 background values. 47.2% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.001642.

Constituent: Lithium Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 106 background values. 97.17% NDs. 95.9% coverage at alpha=0.01; 97.07% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.004352.

Constituent: Mercury Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 126 background values. 82.54% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.00156.

Constituent: Molybdenum Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric

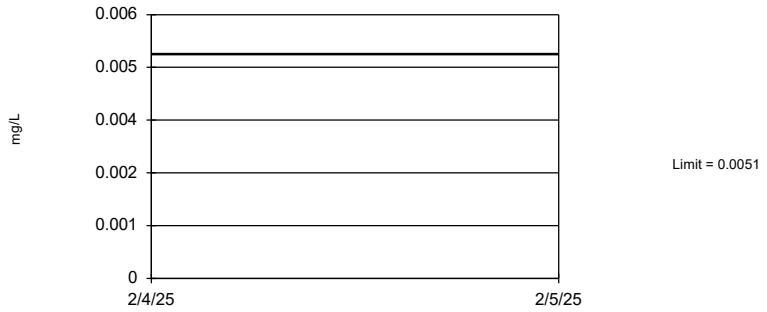
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 242 background values. 82.64% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Selenium Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



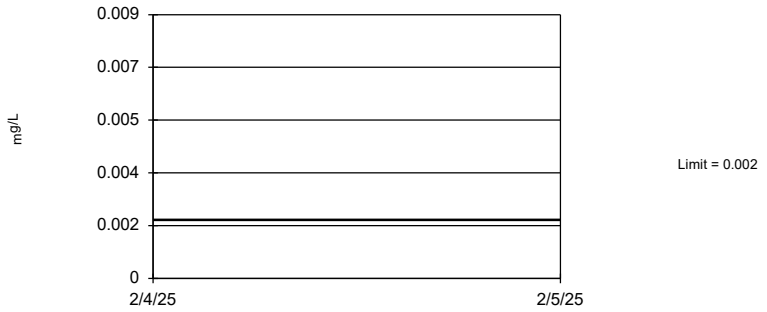
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 209 background values. 95.22% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Silver Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 121 background values. 94.21% NDs. 96.29% coverage at alpha=0.01; 97.46% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.002016.

Constituent: Thallium Analysis Run 5/21/2025 9:04 AM View: Appendix I & IV - UTLs
Plant Arkwright Client: Southern Company Data: Arkwright No 3

FIGURE H.

PLANT ARKWRIGHT LF #3 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified Level**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.0059	0.01
Barium, Total (mg/L)	2		0.24	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0043	0.005
Chromium, Total (mg/L)	0.1		0.014	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0058	0.006
Combined Radium, Total (pCi/L)	5		4.25	5
Fluoride, Total (mg/L)	4		0.53	4
Lead, Total (mg/L)	n/a	0.015	0.013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.01	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.004	0.1
Selenium, Total (mg/L)	0.05		0.034	0.05
Silver, Total (mg/L)	n/a		0.0051	0.0051
Thallium, Total (mg/L)	0.002		0.002	0.002

**MCL = Maximum Contaminant Level*

**GWPS = Groundwater Protection Standard*

**CCR = Coal Combustion Residuals*

FIGURE I.

Confidence Interval Summary Table - Significant Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 3:19 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	**ARGWC-17**	**0.03249**	**0.02097**	**0.006**	**Yes**	**23**	**0**	**sqrt(x)**	**0.01**	**Param.**
Thallium (mg/L)	**ARAMW-4**	**0.002**	**0.002**	**0.002**	**Yes**	**11**	**90.91**	**No**	**0.006**	**NP (NDs)**

Confidence Interval Summary Table - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 3:19 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	ARGWC-7	0.003	0.0013	0.006	No	20	95	No	0.01	NP (NDs)
Antimony (mg/L)	ARGWC-9	0.003	0.00048	0.006	No	20	95	No	0.01	NP (NDs)
Antimony (mg/L)	ARGWC-10	0.003	0.00094	0.006	No	20	95	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-7	0.005	0.0048	0.01	No	24	87.5	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-8	0.005	0.00337	0.01	No	24	79.17	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-9	0.005	0.00457	0.01	No	24	87.5	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-10	0.005	0.0019	0.01	No	24	87.5	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-15	0.005	0.0024	0.01	No	24	87.5	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-16	0.005	0.00431	0.01	No	24	79.17	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-17	0.005	0.0015	0.01	No	24	75	No	0.01	NP (NDs)
Arsenic (mg/L)	ARGWC-18	0.005	0.0016	0.01	No	24	83.33	No	0.01	NP (NDs)
Arsenic (mg/L)	ARAMW-4	0.005	0.00035	0.01	No	11	45.45	No	0.006	NP (normality)
Barium (mg/L)	ARGWC-7	0.04608	0.03831	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARGWC-8	0.05385	0.04647	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARGWC-9	0.04588	0.04109	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARGWC-10	0.03389	0.03129	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARGWC-15	0.037	0.0287	2	No	24	0	No	0.01	NP (normality)
Barium (mg/L)	ARGWC-16	0.05117	0.04306	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARGWC-17	0.0556	0.04584	2	No	24	0	ln(x)	0.01	Param.
Barium (mg/L)	ARGWC-18	0.03992	0.03633	2	No	24	0	No	0.01	Param.
Barium (mg/L)	ARAMW-4	0.04494	0.03267	2	No	11	0	sqrt(x)	0.01	Param.
Beryllium (mg/L)	ARGWC-7	0.0005	0.00041	0.004	No	22	90.91	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-8	0.0005	0.00047	0.004	No	22	95.45	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-9	0.0005	0.00037	0.004	No	22	95.45	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-16	0.0005	0.00027	0.004	No	22	95.45	No	0.01	NP (NDs)
Beryllium (mg/L)	ARGWC-17	0.0025	0.000344	0.004	No	22	31.82	No	0.01	NP (normality)
Beryllium (mg/L)	ARGWC-18	0.0005	0.00034	0.004	No	22	95.45	No	0.01	NP (NDs)
Cadmium (mg/L)	ARGWC-16	0.001	0.0001	0.005	No	24	95.83	No	0.01	NP (NDs)
Cadmium (mg/L)	ARGWC-17	0.001	0.000445	0.005	No	24	79.17	No	0.01	NP (NDs)
Cadmium (mg/L)	ARAMW-4	0.001	0.000451	0.005	No	11	81.82	No	0.006	NP (NDs)
Chromium (mg/L)	ARGWC-7	0.003807	0.003174	0.1	No	22	4.545	No	0.01	Param.
Chromium (mg/L)	ARGWC-8	0.01	0.0017	0.1	No	22	90.91	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-9	0.0097	0.0071	0.1	No	22	0	No	0.01	NP (normality)
Chromium (mg/L)	ARGWC-10	0.005339	0.00463	0.1	No	22	0	sqrt(x)	0.01	Param.
Chromium (mg/L)	ARGWC-15	0.01	0.0087	0.1	No	22	86.36	No	0.01	NP (NDs)
Chromium (mg/L)	ARGWC-16	0.0027	0.0017	0.1	No	22	27.27	No	0.01	NP (normality)
Chromium (mg/L)	ARGWC-17	0.01	0.0021	0.1	No	22	86.36	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-7	0.001	0.00034	0.006	No	23	91.3	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-8	0.001	0.00023	0.006	No	23	65.22	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-9	0.001	0.00021	0.006	No	23	86.96	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-10	0.001	0.00019	0.006	No	23	82.61	No	0.01	NP (NDs)
Cobalt (mg/L)	ARGWC-15	0.001601	0.0003719	0.006	No	23	39.13	ln(x)	0.01	Param.
Cobalt (mg/L)	ARGWC-16	0.001	0.00026	0.006	No	23	86.96	No	0.01	NP (NDs)
Cobalt (mg/L)	**ARGWC-17**	**0.03249**	**0.02097**	**0.006**	**Yes**	**23**	**0**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	ARGWC-18	0.00143	0.001138	0.006	No	23	0	No	0.01	Param.
Cobalt (mg/L)	ARAMW-4	0.004964	0.003158	0.006	No	14	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-7	0.804	0.316	5	No	22	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-8	0.616	0.255	5	No	22	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-9	0.6006	0.2169	5	No	22	0	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-10	0.6074	0.01735	5	No	22	0	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-15	1.116	0.4617	5	No	22	0	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	ARGWC-16	0.712	0.255	5	No	22	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-17	0.781	0.175	5	No	22	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARGWC-18	0.693	0.334	5	No	22	0	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	ARAMW-4	1.467	0.5579	5	No	11	0	sqrt(x)	0.01	Param.
Fluoride (mg/L)	ARGWC-7	0.1	0.062	4	No	24	66.67	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-8	0.1747	0.1222	4	No	23	0	No	0.01	Param.
Fluoride (mg/L)	ARGWC-9	0.09482	0.04532	4	No	24	41.67	sqrt(x)	0.01	Param.
Fluoride (mg/L)	ARGWC-10	0.08248	0.04698	4	No	24	37.5	x^(1/3)	0.01	Param.
Fluoride (mg/L)	ARGWC-15	0.1496	0.08426	4	No	24	16.67	No	0.01	Param.
Fluoride (mg/L)	ARGWC-16	0.2	0.038	4	No	24	54.17	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-17	0.2	0.055	4	No	24	62.5	No	0.01	NP (NDs)
Fluoride (mg/L)	ARGWC-18	0.1245	0.07993	4	No	23	4.348	x^(1/3)	0.01	Param.
Fluoride (mg/L)	ARAMW-4	0.5	0.028	4	No	12	16.67	No	0.01	NP (normality)
Lead (mg/L)	ARGWC-8	0.002	0.00024	0.015	No	24	91.67	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-9	0.002	0.00016	0.015	No	24	95.83	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-10	0.031	0.00014	0.015	No	25	88	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-15	0.002	0.0016	0.015	No	24	75	No	0.01	NP (NDs)

Confidence Interval Summary Table - All Results

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 3:19 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Lead (mg/L)	ARGWC-16	0.002	0.00021	0.015	No	24	95.83	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-17	0.002	0.00022	0.015	No	24	95.83	No	0.01	NP (NDs)
Lead (mg/L)	ARGWC-18	0.002	0.00031	0.015	No	24	83.33	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-7	0.01	0.0034	0.04	No	23	52.17	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-8	0.004058	0.003188	0.04	No	23	26.09	sqrt(x)	0.01	Param.
Lithium (mg/L)	ARGWC-9	0.01	0.0061	0.04	No	23	95.65	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-10	0.01	0.0055	0.04	No	23	82.61	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-15	0.01	0.004	0.04	No	23	69.57	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-16	0.01	0.0076	0.04	No	23	82.61	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-17	0.01	0.0071	0.04	No	23	82.61	No	0.01	NP (NDs)
Lithium (mg/L)	ARGWC-18	0.0047	0.0037	0.04	No	23	8.696	No	0.01	NP (normality)
Lithium (mg/L)	ARAMW-4	0.01465	0.01235	0.04	No	12	0	No	0.01	Param.
Mercury (mg/L)	ARGWC-7	0.0002	0.00007	0.002	No	19	94.74	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-8	0.0002	0.000081	0.002	No	19	94.74	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-10	0.0002	0.000077	0.002	No	19	94.74	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-15	0.0002	0.000071	0.002	No	19	94.74	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-16	0.0002	0.000094	0.002	No	19	68.42	No	0.01	NP (NDs)
Mercury (mg/L)	ARGWC-18	0.0002	0.000074	0.002	No	19	94.74	No	0.01	NP (NDs)
Molybdenum (mg/L)	ARGWC-8	0.04311	0.03883	0.1	No	23	0	No	0.01	Param.
Molybdenum (mg/L)	ARGWC-15	0.00212	0.00105	0.1	No	23	26.09	No	0.01	NP (normality)
Molybdenum (mg/L)	ARGWC-18	0.001	0.000288	0.1	No	23	95.65	No	0.01	NP (NDs)
Molybdenum (mg/L)	ARAMW-4	0.001	0.000218	0.1	No	12	41.67	No	0.01	NP (normality)
Selenium (mg/L)	ARGWC-7	0.005	0.0028	0.05	No	24	91.67	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-9	0.005	0.00029	0.05	No	24	91.67	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-10	0.005	0.0017	0.05	No	24	95.83	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-15	0.005	0.0005	0.05	No	24	87.5	No	0.01	NP (NDs)
Selenium (mg/L)	ARGWC-16	0.003145	0.001684	0.05	No	24	4.167	No	0.01	Param.
Selenium (mg/L)	ARGWC-17	0.005	0.00231	0.05	No	24	91.67	No	0.01	NP (NDs)
Selenium (mg/L)	ARAMW-4	0.005	0.00257	0.05	No	11	63.64	No	0.006	NP (NDs)
Silver (mg/L)	ARGWC-15	0.001	0.00037	0.0051	No	19	89.47	No	0.01	NP (NDs)
Silver (mg/L)	ARGWC-16	0.001	0.00026	0.0051	No	19	94.74	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-15	0.002	0.000095	0.002	No	22	95.45	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-16	0.002	0.00027	0.002	No	22	86.36	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-17	0.002	0.00063	0.002	No	22	95.45	No	0.01	NP (NDs)
Thallium (mg/L)	ARGWC-18	0.002	0.00028	0.002	No	22	95.45	No	0.01	NP (NDs)
Thallium (mg/L)	**ARAMW-4**	**0.002**	**0.002**	**0.002**	**Yes**	**11**	**90.91**	**No**	**0.006**	**NP (NDs)**

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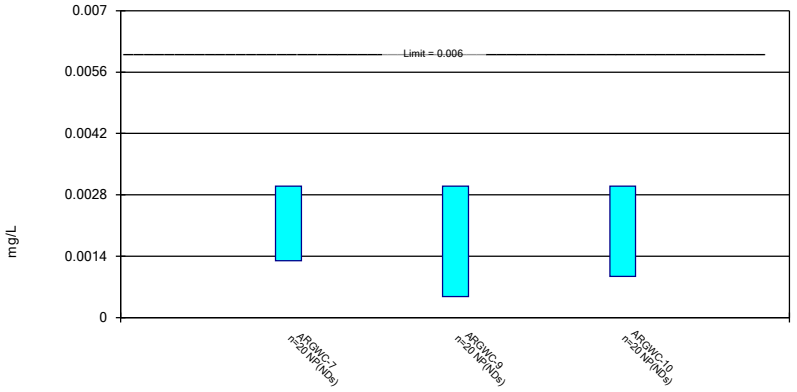
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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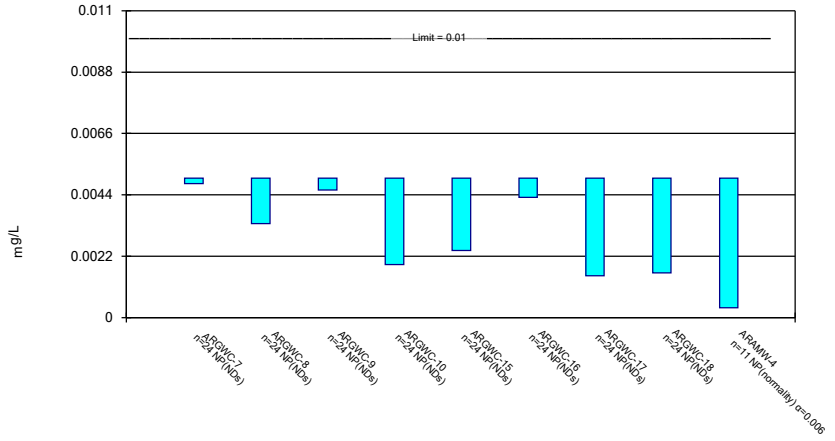
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Arsenic Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100%
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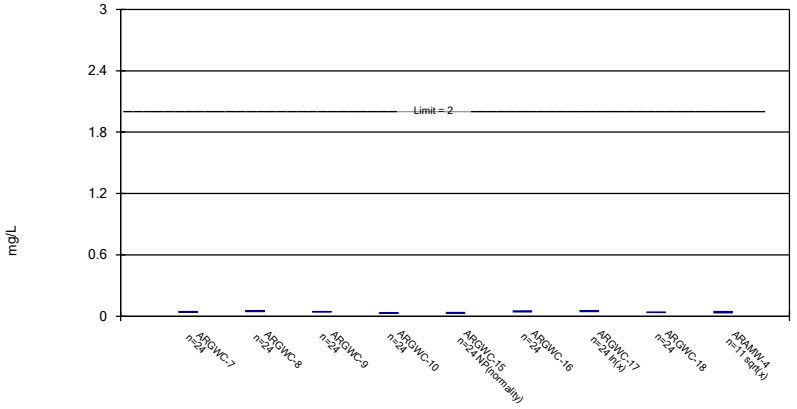
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100%
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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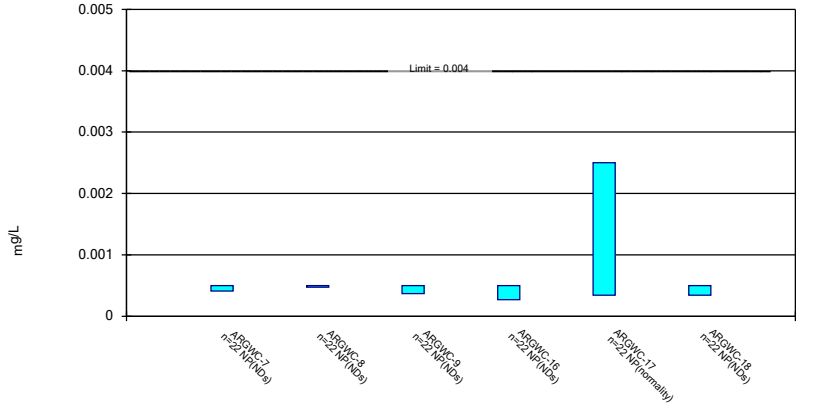
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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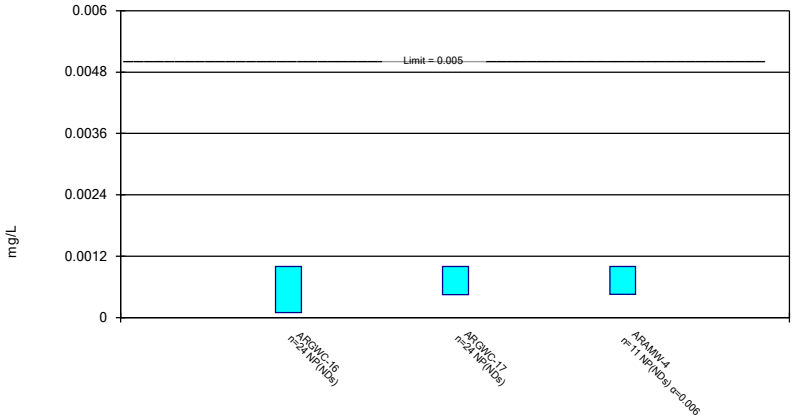
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Cadmium Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100

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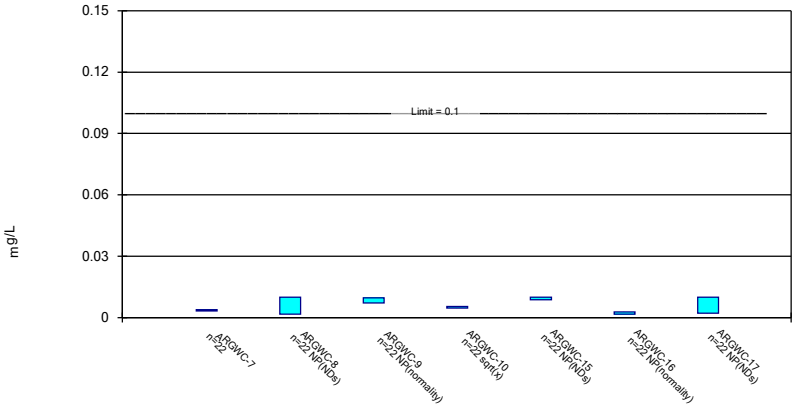
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (10

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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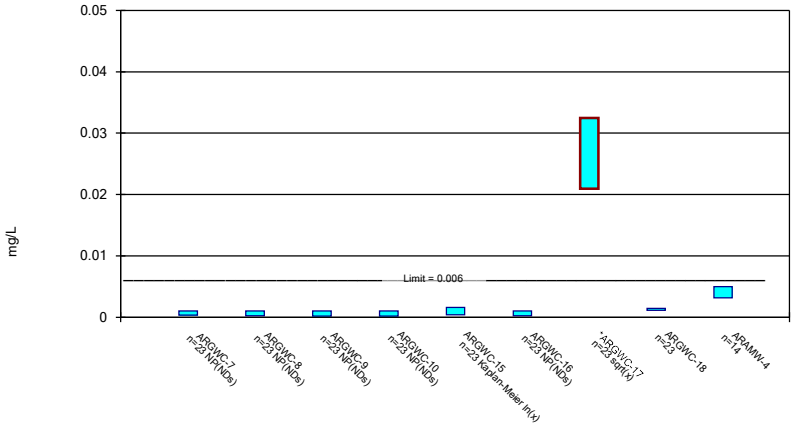
Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100%

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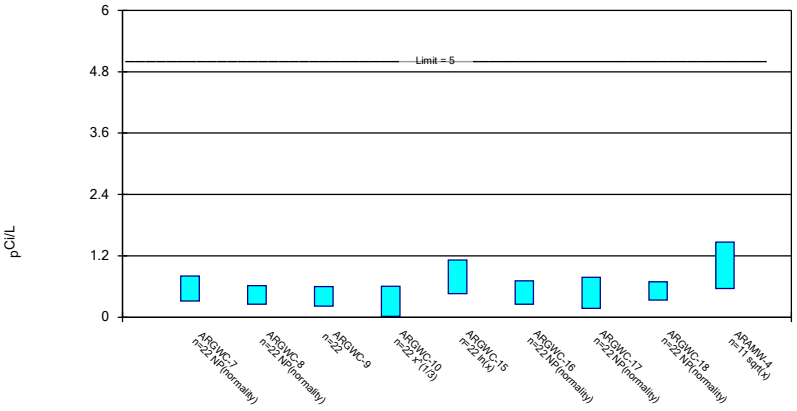
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confi

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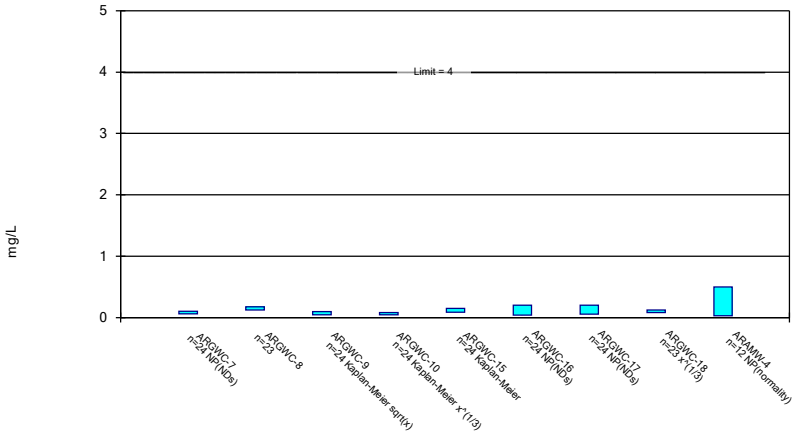
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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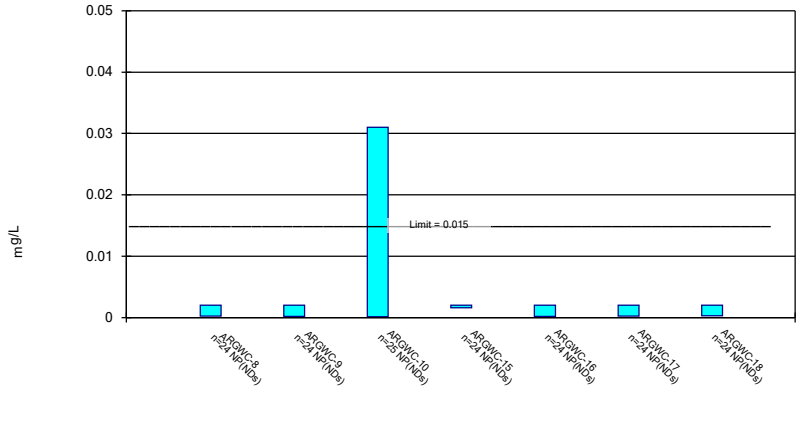
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100% N

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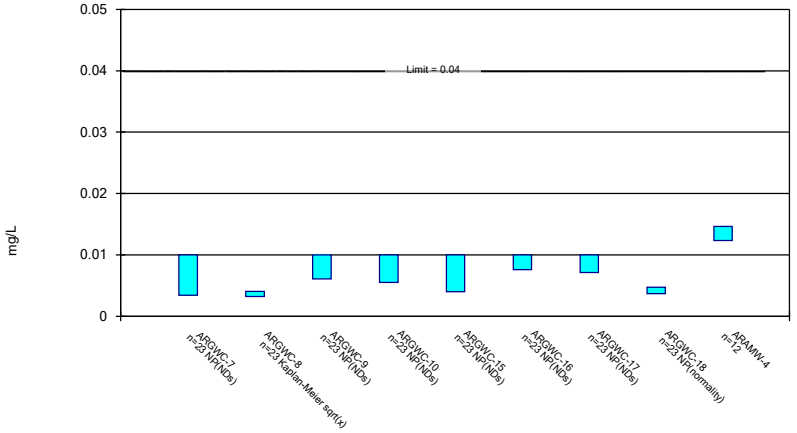
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100%

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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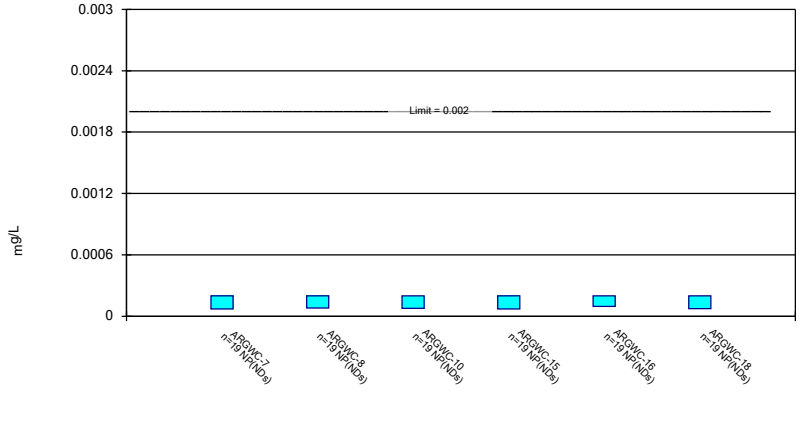
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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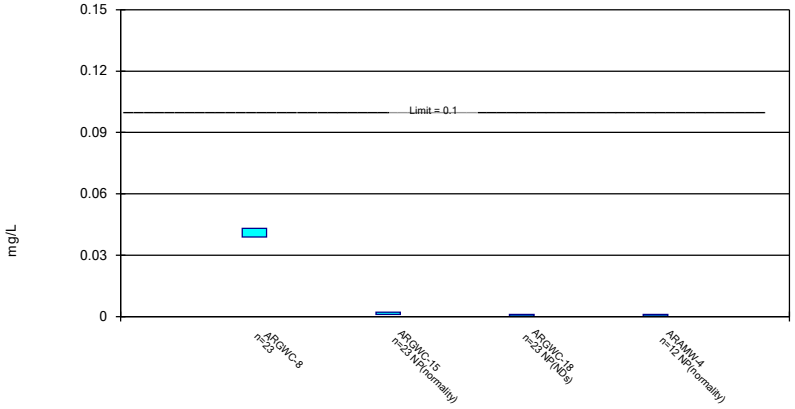
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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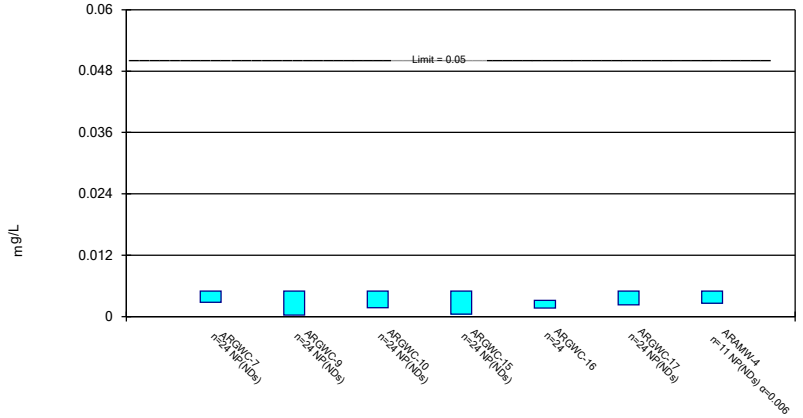
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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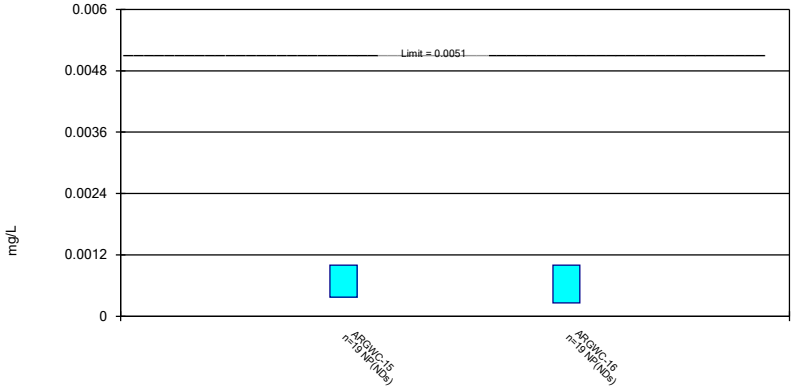
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

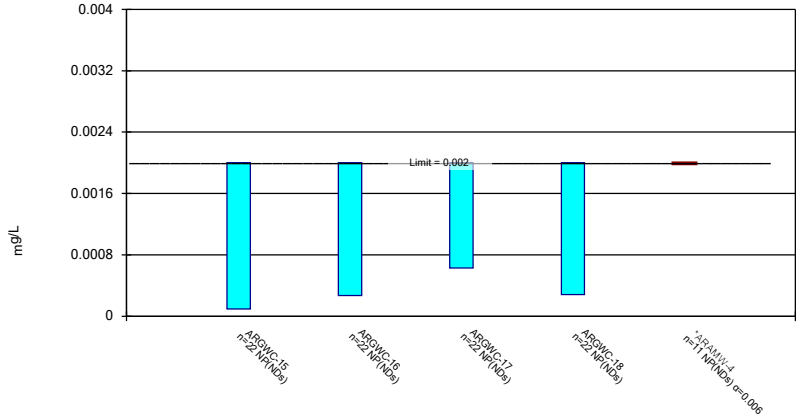


Constituent: Silver Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100% N
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Sanitas™ v.10.0.25 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 5/22/2025 3:17 PM View: Appendix I & IV - Confidence Intervals (100
Plant Arkwright Client: Southern Company Data: Arkwright No 3

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-9	ARGWC-10
8/31/2016	<0.003	<0.003	
9/1/2016			<0.003
10/25/2016	0.0013 (J)	<0.003	<0.003
1/26/2017	<0.003	<0.003	
1/27/2017			<0.003
4/12/2017	<0.003	<0.003	<0.003
6/22/2017	<0.003	<0.003	<0.003
10/25/2017	<0.003	<0.003	
10/26/2017			<0.003
4/10/2018	<0.003		
4/11/2018		<0.003	<0.003
10/17/2018	<0.003	<0.003	<0.003
8/21/2019	<0.003	<0.003	<0.003
10/9/2019	<0.003	0.00048 (J)	<0.003
4/8/2020	<0.003		0.00094 (J)
4/9/2020		<0.003	
8/18/2020	<0.003		
8/19/2020		<0.003	<0.003
9/9/2021		<0.003	
9/10/2021	<0.003		<0.003
2/2/2022		<0.003	<0.003
2/3/2022	<0.003		
8/31/2022	<0.003	<0.003	<0.003
2/2/2023	<0.003	<0.003	<0.003
8/9/2023			<0.003
8/10/2023	<0.003	<0.003	
1/25/2024	<0.003	<0.003	<0.003
8/21/2024	<0.003	<0.003	<0.003
2/5/2025	<0.003	<0.003	<0.003
Mean	0.002915	0.002874	0.002897
Std. Dev.	0.0003801	0.0005635	0.0004606
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.0013	0.00048	0.00094

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
6/23/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
6/24/2016						<0.005	<0.005	<0.005	
8/31/2016	<0.005	<0.005	<0.005						
9/1/2016				<0.005		<0.005	<0.005	<0.005	
9/2/2016					0.00062 (J)				
10/25/2016	<0.005		<0.005	<0.005		<0.005	<0.005		
10/26/2016		<0.005			<0.005			<0.005	
1/26/2017	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005		
1/27/2017				<0.005				<0.005	
4/11/2017						0.00067 (J)	0.00084 (J)		
4/12/2017	0.00078 (J)	0.00072 (J)	<0.005	<0.005	<0.005			<0.005	
6/21/2017		<0.005			<0.005	<0.005	<0.005	<0.005	
6/22/2017	<0.005		<0.005	<0.005					
10/25/2017	<0.005		<0.005					<0.005	
10/26/2017		<0.005		<0.005	<0.005	<0.005	0.00087 (J)		
4/10/2018	<0.005				<0.005	<0.005	<0.005		
4/11/2018		<0.005	<0.005	<0.005				<0.005	
10/16/2018						<0.005			
10/17/2018	<0.005	0.00063 (J)	<0.005	<0.005	<0.005		<0.005	0.00066 (J)	
3/27/2019					<0.005			<0.005	
3/28/2019	<0.005		0.00051 (J)	0.0011 (J)		0.00057 (J)	<0.005		
3/29/2019		<0.005							
8/20/2019						<0.005			
8/21/2019	<0.005	0.00036 (J)	<0.005	0.0004 (J)	0.00036 (J)		0.00044 (J)	0.00033 (J)	
10/8/2019					<0.005				
10/9/2019	0.0015	0.0014	0.0011	0.0019		0.001	0.0015	0.0016	
4/8/2020	<0.005			<0.005	<0.005	<0.005	<0.005		
4/9/2020		<0.005	<0.005					<0.005	
8/18/2020	<0.005						<0.005		
8/19/2020			<0.005	<0.005	<0.005	<0.005			
8/20/2020		<0.005						<0.005	0.00034 (J)
9/29/2020	<0.005				<0.005	<0.005	<0.005		
9/30/2020								<0.005	0.00039 (J)
10/1/2020		<0.005	<0.005	<0.005					
2/9/2021				<0.005	<0.005	<0.005	<0.005		
2/10/2021	<0.005	<0.005	<0.005					<0.005	<0.005
9/8/2021					<0.005	0.00031 (J)	0.00039 (J)		<0.005
9/9/2021		<0.005	<0.005					0.0004 (J)	
9/10/2021	<0.005			<0.005					
2/2/2022		<0.005	<0.005	<0.005			0.00044 (J)		0.00035 (J)
2/3/2022	<0.005				<0.005	<0.005		<0.005	
8/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/2/2022							<0.005	<0.005	0.00339 (J)
2/2/2023	<0.005	<0.005	<0.005	<0.005		<0.005		<0.005	
2/3/2023					<0.005		<0.005		
2/7/2023									<0.005
8/9/2023				<0.005			<0.005		0.00241 (J)
8/10/2023	0.0048 (J)	0.00337 (J)	0.00457 (J)		0.0024 (J)	0.00431 (J)		<0.005	
1/25/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/21/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00219 (J)
2/5/2025	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
2/13/2025					<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
Mean	0.00467	0.004228	0.004632	0.004517	0.004516	0.004244	0.003937	0.004291	0.003097
Std. Dev.	0.001093	0.001619	0.001185	0.001325	0.001349	0.001657	0.001892	0.001633	0.002048
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0048	0.00337	0.00457	0.0019	0.0024	0.00431	0.0015	0.0016	0.00035

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
6/23/2016	0.031	0.039	0.043	0.028	0.028				
6/24/2016						0.056	0.044	0.034	
8/31/2016	0.03	0.037	0.042						
9/1/2016				0.027		0.051	0.046	0.033	
9/2/2016					0.074				
10/25/2016	0.0317		0.0455	0.0296		0.0637	0.0436		
10/26/2016		0.0423			0.0408			0.0339	
1/26/2017	0.035	0.046	0.048		0.038	0.055	0.051		
1/27/2017				0.035				0.037	
4/11/2017						0.055	0.043		
4/12/2017	0.034	0.041	0.045	0.031	0.03			0.032	
6/21/2017		0.049			0.028	0.054	0.043	0.036	
6/22/2017	0.038		0.055	0.035					
10/25/2017	0.038		0.049					0.041	
10/26/2017		0.046		0.032	0.029	0.046	0.038		
4/10/2018	0.038				0.032	0.056	0.046		
4/11/2018		0.048	0.052	0.034				0.04	
10/16/2018						0.039			
10/17/2018	0.038	0.045	0.046	0.031	0.028		0.043	0.039	
3/27/2019					0.032			0.033	
3/28/2019	0.038		0.047	0.031		0.054	0.045		
3/29/2019		0.045							
8/20/2019						0.046			
8/21/2019	0.041	0.052	0.045	0.035	0.033		0.05	0.036	
10/8/2019					0.031				
10/9/2019	0.046	0.049	0.041	0.031		0.057	0.049	0.039	
4/8/2020	0.039			0.031	0.03	0.042	0.045		
4/9/2020		0.045	0.044					0.041	
8/18/2020	0.044						0.062		
8/19/2020			0.046	0.034	0.028	0.045			
8/20/2020		0.053						0.041	0.053
9/29/2020	0.042				0.03	0.042	0.056		
9/30/2020								0.041	0.053
10/1/2020		0.052	0.045	0.032					
2/9/2021				0.031	0.029	0.044	0.051		
2/10/2021	0.041	0.049	0.038					0.038	0.042
9/8/2021					0.043	0.035	0.058		0.037
9/9/2021		0.051	0.038					0.046	
9/10/2021	0.045			0.031					
2/2/2022		0.059	0.04	0.034			0.062		0.036
2/3/2022	0.051				0.03	0.047		0.043	
8/31/2022	0.0505	0.0571	0.0391	0.0345	0.0325	0.0383			
9/2/2022							0.0727	0.0369	0.0374
2/2/2023	0.0518	0.0554	0.0391	0.034		0.0468		0.0387	
2/3/2023					0.0287		0.0572		
2/7/2023									0.0364
8/9/2023				0.0363			0.0861		0.0372
8/10/2023	0.054	0.0603	0.0401		0.037	0.0381		0.0415	
1/25/2024	0.0563	0.0641	0.0414	0.0373	0.0325	0.0476	0.0519	0.0404	0.0343
8/21/2024	0.0473	0.0585	0.0363	0.0328	0.039	0.0349	0.048	0.0355	0.0298
2/5/2025	0.0521	0.0601	0.0381	0.0346		0.0373	0.0426	0.0382	0.0316
2/13/2025					0.0229				

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
Mean	0.0422	0.05016	0.04348	0.03259	0.0336	0.04711	0.05142	0.03813	0.03888
Std. Dev.	0.007607	0.007227	0.004699	0.002543	0.009792	0.007944	0.01089	0.003516	0.007667
Upper Lim.	0.04608	0.05385	0.04588	0.03389	0.037	0.05117	0.0556	0.03992	0.04494
Lower Lim.	0.03831	0.04647	0.04109	0.03129	0.0287	0.04306	0.04584	0.03633	0.03267

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-16	ARGWC-17	ARGWC-18
8/31/2016	<0.0005	<0.0005	<0.0005			
9/1/2016				<0.0005	0.00034 (J)	<0.0005
10/25/2016	0.0001 (J)		<0.0005	<0.0005	0.0002 (J)	
10/26/2016		<0.0005				<0.0005
1/26/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	
1/27/2017						<0.0005
4/11/2017				<0.0005	<0.0025	
4/12/2017	<0.0005	<0.0005	<0.0005			<0.0005
6/21/2017		<0.0005		<0.0005	<0.0025	<0.0005
6/22/2017	<0.0005		<0.0005			
10/25/2017	<0.0005		<0.0005			<0.0005
10/26/2017		<0.0005		<0.0005	<0.0025	
4/10/2018	<0.0005			<0.0005	<0.0025	
4/11/2018		<0.0005	<0.0005			<0.0005
10/16/2018				<0.0005		
10/17/2018	<0.0005	<0.0005	<0.0005		<0.0025	<0.0005
8/20/2019				<0.0005		
8/21/2019	<0.0005	<0.0005	<0.0005		0.00025 (J)	<0.0005
10/9/2019	0.00041 (J)	0.00047 (J)	0.00037 (J)	0.00027 (J)	0.00076 (J)	0.00034 (J)
4/8/2020	<0.0005			<0.0005	0.00025 (J)	
4/9/2020		<0.0005	<0.0005			<0.0005
8/18/2020	<0.0005				0.00039 (J)	
8/19/2020			<0.0005	<0.0005		
8/20/2020		<0.0005				<0.0005
9/29/2020	<0.0005			<0.0005	0.0004 (J)	
9/30/2020						<0.0005
10/1/2020		<0.0005	<0.0005			
2/9/2021				<0.0005	<0.0025	
2/10/2021	<0.0005	<0.0005	<0.0005			<0.0005
9/8/2021				<0.0005	0.00037 (J)	
9/9/2021		<0.0005	<0.0005			<0.0005
9/10/2021	<0.0005					
2/2/2022		<0.0005	<0.0005		0.00051 (J)	
2/3/2022	<0.0005			<0.0005		<0.0005
8/31/2022	<0.0005	<0.0005	<0.0005	<0.0005		
9/2/2022					0.000417 (J)	<0.0005
2/2/2023	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
2/3/2023					0.00044 (J)	
8/9/2023					0.00049 (J)	
8/10/2023	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
1/25/2024	<0.0005	<0.0005	<0.0005	<0.0005	0.000379 (J)	<0.0005
8/21/2024	<0.0005	<0.0005	<0.0005	<0.0005	0.000344 (J)	<0.0005
2/5/2025	<0.0005	<0.0005	<0.0005	<0.0005	0.000265 (J)	<0.0005
Mean	0.0004777	0.0004986	0.0004941	0.0004895	0.001059	0.0004927
Std. Dev.	8.652E-05	6.396E-06	2.772E-05	4.904E-05	0.001013	3.411E-05
Upper Lim.	0.0005	0.0005	0.0005	0.0005	0.0025	0.0005
Lower Lim.	0.00041	0.00047	0.00037	0.00027	0.000344	0.00034

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-16	ARGWC-17	ARAMW-4
6/24/2016	<0.001	<0.001	
9/1/2016	<0.001	<0.001	
10/25/2016	0.0001 (J)	0.0001 (J)	
1/26/2017	<0.001	<0.001	
4/11/2017	<0.001	<0.001	
6/21/2017	<0.001	<0.001	
10/26/2017	<0.001	<0.001	
4/10/2018	<0.001	<0.001	
10/16/2018	<0.001		
10/17/2018		<0.001	
3/28/2019	<0.001	<0.001	
8/20/2019	<0.001		
8/21/2019		0.00013 (J)	
10/9/2019	<0.001	0.00018 (J)	
4/8/2020	<0.001	<0.001	
8/18/2020		<0.001	
8/19/2020	<0.001		
8/20/2020			<0.001
9/29/2020	<0.001	<0.001	
9/30/2020			<0.001
2/9/2021	<0.001	<0.001	
2/10/2021			<0.001
9/8/2021	<0.001	<0.001	<0.001
2/2/2022		0.0003 (J)	0.00023 (J)
2/3/2022	<0.001		
8/31/2022	<0.001		
9/2/2022		<0.001	<0.001
2/2/2023	<0.001		
2/3/2023		<0.001	
2/7/2023			<0.001
8/9/2023		0.000445 (J)	<0.001
8/10/2023	<0.001		
1/25/2024	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	0.000451 (J)
2/5/2025	<0.001	<0.001	<0.001
Mean	0.0009625	0.0008398	0.0008801
Std. Dev.	0.0001837	0.0003245	0.0002713
Upper Lim.	0.001	0.001	0.001
Lower Lim.	0.0001	0.000445	0.000451

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17
8/31/2016	0.0033	<0.01	0.011				
9/1/2016				0.0038		0.0017 (J)	<0.01
9/2/2016					0.0087		
10/25/2016	0.0029 (J)		0.0109	0.0042 (J)		0.0023 (J)	<0.01
10/26/2016		<0.01			<0.01		
1/26/2017	0.0033	<0.01	0.011		<0.01	0.0017 (J)	0.0016 (J)
1/27/2017				0.005			
4/11/2017						0.0019 (J)	0.0013 (J)
4/12/2017	0.0036	<0.01	0.0096	0.0048	<0.01		
6/21/2017		<0.01			<0.01	0.0017 (J)	<0.01
6/22/2017	0.0036		0.011	0.0047			
10/25/2017	0.0028		0.0094				
10/26/2017		<0.01		0.0043	<0.01	0.0013 (J)	<0.01
4/10/2018	0.0038				<0.01	0.0019 (J)	<0.01
4/11/2018		<0.01	0.01	0.0051			
10/16/2018						0.0013 (J)	
10/17/2018	0.0036	<0.01	0.0096	0.0051	<0.01		<0.01
8/20/2019						0.0025	
8/21/2019	0.0046	0.0015 (J)	0.0097	0.0073	0.0017 (J)		<0.01
10/8/2019					<0.01		
10/9/2019	0.0042	0.0017 (J)	0.0084	0.006		0.0027	0.0021
4/8/2020	0.0027			0.0046	<0.01	0.0021	<0.01
4/9/2020		<0.01	0.0069				
8/18/2020	0.0031						<0.01
8/19/2020			0.008	0.0049	<0.01	0.0021	
8/20/2020		<0.01					
9/29/2020	0.0031				<0.01	0.002	<0.01
10/1/2020		<0.01	0.0075	0.0047			
2/9/2021				0.0046	<0.01	0.0018 (J)	<0.01
2/10/2021	0.003	<0.01	0.007				
9/8/2021					0.0027	0.0016 (J)	<0.01
9/9/2021		<0.01	0.0071				
9/10/2021	0.0032			0.0049			
2/2/2022		<0.01	0.0068	0.005			<0.01
2/3/2022	0.0043				<0.01	0.0018 (J)	
8/31/2022	0.00344 (J)	<0.01	0.00766 (J)	0.0055 (J)	<0.01	<0.01	
9/2/2022							<0.01
2/2/2023	0.00353 (J)	<0.01	0.00753 (J)	0.00534 (J)		<0.01	
2/3/2023					<0.01		<0.01
8/9/2023				0.00473 (J)			<0.01
8/10/2023	0.00353 (J)	<0.01	0.00775 (J)		<0.01	<0.01	
1/25/2024	0.00317 (J)	<0.01	0.007 (J)	0.00527 (J)	<0.01	<0.01	<0.01
8/21/2024	<0.01	<0.01	0.00727 (J)	0.00501 (J)	<0.01	<0.01	<0.01
2/5/2025	0.00302 (J)	<0.01	0.00691 (J)	0.00513 (J)		<0.01	<0.01
2/13/2025					<0.01		
Mean	0.00349	0.009236	0.008546	0.004999	0.009232	0.004109	0.008864
Std. Dev.	0.0005889	0.002472	0.001555	0.000689	0.002298	0.003706	0.00293
Upper Lim.	0.003807	0.01	0.0097	0.005339	0.01	0.0027	0.01
Lower Lim.	0.003174	0.0017	0.0071	0.00463	0.0087	0.0017	0.0021

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
8/31/2016	<0.001	<0.001	<0.001						
9/1/2016				<0.001		<0.001	0.037	0.0014 (J)	
9/2/2016					0.03				
10/25/2016	<0.001		<0.001	<0.001		<0.001	0.0144		
10/26/2016		<0.001			0.0036 (J)			0.0013 (J)	
1/26/2017	<0.001	<0.001	<0.001		0.011	<0.001	0.022		
1/27/2017				<0.001				0.0021 (J)	
4/11/2017						<0.001	0.026		
4/12/2017	<0.001	<0.001	<0.001	<0.001	<0.001			0.0015 (J)	
6/21/2017		<0.001			<0.001	<0.001	0.027	0.0018 (J)	
6/22/2017	<0.001		<0.001	<0.001					
10/25/2017	<0.001		<0.001					0.0013 (J)	
10/26/2017		<0.001		<0.001	<0.001	<0.001	0.021		
4/10/2018	<0.001				0.00045 (J)	<0.001	0.021		
4/11/2018		<0.001	<0.001	<0.001				0.0014 (J)	
10/16/2018						<0.001			
10/17/2018	<0.001	<0.001	<0.001	<0.001	<0.001		0.014	0.0012 (J)	
8/20/2019						0.00016 (J)			
8/21/2019	8.6E-05 (J)	0.00021 (J)	<0.001	0.00017 (J)	0.00048 (J)		0.018	0.0012	
10/8/2019					0.00019 (J)				
10/9/2019	0.00034 (J)	0.00041 (J)	0.00021 (J)	0.00019 (J)		0.00026 (J)	0.017	0.00099	
1/15/2020									0.0064
2/11/2020									0.0042
4/8/2020	<0.001			<0.001	0.00026 (J)	<0.001	0.016		
4/9/2020		0.00013 (J)	0.00015 (J)					0.00091 (J)	
6/23/2020		0.00017 (J)		0.00013 (J)					
6/24/2020						0.00013 (J)	0.024	0.0012 (J)	0.0049
6/25/2020	<0.001				0.00022 (J)				
6/26/2020			<0.001						
8/18/2020	<0.001						0.03		
8/19/2020			0.00013 (J)	0.00015 (J)	0.0004 (J)	<0.001			
8/20/2020		0.00023 (J)						0.0015 (J)	0.005
9/29/2020	<0.001				0.0003 (J)	<0.001	0.027		
9/30/2020								0.0013 (J)	0.0046
10/1/2020		0.00021 (J)	<0.001	<0.001					
2/9/2021				<0.001	<0.001	<0.001	0.025		
2/10/2021	<0.001	0.00015 (J)	<0.001					0.0011 (J)	0.0053
9/8/2021					0.004	<0.001	0.032		0.0048
9/9/2021		<0.001	<0.001					0.0016 (J)	
9/10/2021	<0.001			<0.001					
2/2/2022		0.00032 (J)	<0.001	<0.001			0.033		0.0042
2/3/2022	<0.001				<0.001	<0.001		0.0013 (J)	
8/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
9/2/2022							0.0516	0.00111	0.00411
2/2/2023	<0.001	<0.001	<0.001	<0.001		<0.001		0.00109	
2/3/2023					<0.001		0.0332		
2/7/2023									0.00343
8/9/2023				<0.001			0.0689		0.00337
8/10/2023	<0.001	<0.001	<0.001		0.00439	<0.001		0.0011	
1/25/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0319	0.00106	0.00251
8/21/2024	<0.001	<0.001	<0.001	<0.001	0.0023	<0.001	0.0256	0.00108	0.00199
2/5/2025	<0.001	<0.001	<0.001	<0.001		<0.001	0.0172	0.000995 (J)	0.00204

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
2/13/2025					0.00127				
Mean	0.0009316	0.0007317	0.0008909	0.0008539	0.00295	0.0008935	0.02751	0.001284	0.004061
Std. Dev.	0.0002299	0.0003793	0.0002884	0.0003257	0.006345	0.000282	0.01248	0.0002789	0.001275
Upper Lim.	0.001	0.001	0.001	0.001	0.001601	0.001	0.03249	0.00143	0.004964
Lower Lim.	0.00034	0.00023	0.00021	0.00019	0.0003719	0.00026	0.02097	0.001138	0.003158

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)
Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
8/31/2016	-0.106 (U)	0.218 (U)	0.279 (U)						
9/1/2016				0.153 (U)		0.568	-0.081 (U)	0.495 (U)	
9/2/2016					2.11				
10/25/2016	0.518		0.393	0.328		1.57	0.675		
10/26/2016		0.335			2.45			0.606	
1/26/2017	0.37	0.345 (U)	0.0879 (U)		0.276 (U)	0.255 (U)	0.18 (U)		
1/27/2017				-0.0761 (U)				0.641	
4/11/2017						0.334 (U)	0.547		
4/12/2017	0.316 (U)	0.37 (U)	0.219 (U)	0.112 (U)	0.387 (U)			-0.0936 (U)	
6/21/2017		0.144 (U)			0.194 (U)	0.518	0.38	0.5	
6/22/2017	0.229 (U)		0.552	0.414					
10/25/2017	0.281 (U)		0.388 (U)					0.345 (U)	
10/26/2017		0.51		0.334 (U)	0.519	0.79	1.48		
4/10/2018	0.492				0.604	0.394	0.39		
4/11/2018		0.362	0.322	0.17 (U)				0.331 (U)	
10/16/2018						0.0598 (U)			
10/17/2018	0.495 (U)	0.385 (U)	0.327 (U)	0.38 (U)	0.46 (U)		0.781	0.62	
8/20/2019						0.227 (U)			
8/21/2019	0.0805 (U)	0.125 (U)	0.0554 (U)	0.352 (U)	0.491		-0.0366 (U)	0.693	
10/8/2019					0.421 (U)				
10/9/2019	0.552	-0.164 (U)	-0.238 (U)	-0.38 (U)		-0.0245 (U)	0.118 (U)	0.0684 (U)	
4/8/2020	0.366 (U)			-0.0401 (U)	0.309 (U)	0.28 (U)	0.402 (U)		
4/9/2020		0.255 (U)	0.334 (U)					0.419 (U)	
8/18/2020	0.376 (U)						0.423		
8/19/2020			0.124 (U)	-0.0271 (U)	0.538	0.306 (U)			
8/20/2020		0.14 (U)						0.191 (U)	0.624 (U)
9/29/2020	0.334 (U)				0.394 (U)	-0.0246 (U)	0.175 (U)		
9/30/2020								0.0811 (U)	0.532
10/1/2020		0.512 (U)	0.501	0.172 (U)					
2/9/2021				0.163 (U)	0.669	0.46	0.332 (U)		
2/10/2021	0.412	0.384	0.515					0.568	0.932
9/8/2021					1.62	-0.108 (U)	-0.015 (U)		0.528
9/9/2021		0.616	0.57					0.669	
9/10/2021	0.861			0.0831 (U)					
2/2/2022		0.271 (U)	0.73 (U)	0.338 (U)			0.107 (U)		0.369 (U)
2/3/2022	0.12 (U)				0.609	0.712		0.503	
8/31/2022	0.804 (U)	0.618 (U)	0.0403 (U)	0.5 (U)	0.51 (U)	0.493 (U)			
9/2/2022							1.75 (U)	2.67 (U)	0.947 (U)
2/2/2023	1.76 (U)	0.844 (U)	0.0399 (U)	2.32 (U)		1.31 (U)		2.04	
2/3/2023					0.376 (U)		0.751 (U)		
2/7/2023									1.16 (U)
8/9/2023				2.22			1.05 (U)		2.55
8/10/2023	1.27 (U)	0.68 (U)	0.492 (U)		2.75	0.34 (U)		1.65 (U)	
1/25/2024	0.388 (U)	1.96	0.921 (U)	0.699 (U)	2.03	0.505 (U)	1.2 (U)	0.334 (U)	1.05 (U)
8/21/2024	2.53	0.519 (U)	1.25 (U)	1.46 (U)	1.73 (U)	1.48	2.51	1.82 (U)	1.6 (U)
2/5/2025	3.13	1.09 (U)	1.09 (U)	1.5 (U)		2.69	0.39 (U)	1.82 (U)	1.03 (U)
2/13/2025					2.66				
Mean	0.7081	0.4781	0.4088	0.5079	1.005	0.597	0.614	0.7714	1.029
Std. Dev.	0.7998	0.4249	0.3574	0.7174	0.8703	0.6504	0.6446	0.7329	0.6141
Upper Lim.	0.804	0.616	0.6006	0.6074	1.116	0.712	0.781	0.693	1.467
Lower Lim.	0.316	0.255	0.2169	0.01735	0.4617	0.255	0.175	0.334	0.5579

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
8/31/2016	<0.1	0.11 (J)	<0.1						
9/1/2016				<0.1		<0.2	<0.2	0.083 (J)	
9/2/2016					0.21				
10/25/2016	0.02 (J)		0.2 (J)	0.1 (J)		0.08 (J)	0.08 (J)		
10/26/2016		0.43 (O)			0.21 (J)			0.32 (O)	
1/26/2017	<0.1	0.13 (J)	<0.1		0.097 (J)	<0.2	<0.2		
1/27/2017				<0.1				0.097 (J)	
4/11/2017						<0.2	<0.2		
4/12/2017	<0.1	0.13 (J)	<0.1	<0.1	<0.2			0.088 (J)	
6/21/2017		0.14 (J)			<0.2	<0.2	<0.2	0.096 (J)	
6/22/2017	<0.1		<0.1	<0.1					
10/25/2017	<0.1		<0.1					0.092 (J)	
10/26/2017		0.13 (J)		<0.1	<0.2	<0.2	<0.2		
4/10/2018	<0.1				<0.2	<0.2	<0.2		
4/11/2018		0.13 (J)	<0.1	<0.1				0.09 (J)	
10/16/2018						<0.2			
10/17/2018	<0.1	0.16 (J)	<0.1	<0.1	0.1 (J)		<0.2	0.11 (J)	
3/27/2019					0.05 (J)			0.05 (J)	
3/28/2019	<0.1		<0.1	0.03 (J)		<0.2	<0.2		
3/29/2019		0.089 (J)							
8/20/2019						0.033 (J)			
8/21/2019	<0.1	0.12 (J)	0.03 (J)	0.047 (J)	0.1 (J)		0.031 (J)	0.079 (J)	
10/8/2019					0.33 (J)				
10/9/2019	0.032 (J)	0.085 (J)	0.038 (J)	0.053 (J)		0.031 (J)	0.03 (J)	0.068 (J)	
4/8/2020	0.062 (J)			0.071 (J)	0.12	0.051 (J)	0.053 (J)		
4/9/2020		0.16	0.066 (J)					0.11	
6/23/2020		0.12		0.04 (J)					
6/24/2020						0.038 (J)	<0.2	0.094 (J)	0.041 (J)
6/25/2020	<0.1				0.067 (J)				
6/26/2020			0.027 (J)						
8/18/2020	<0.1						<0.2		
8/19/2020			<0.1	<0.1	0.081 (J)	<0.2			
8/20/2020		0.054 (J)						<0.1	<0.5
9/29/2020	0.027 (J)				0.089 (J)	0.026 (J)	0.029 (J)		
9/30/2020								0.082 (J)	0.028 (J)
10/1/2020		0.14	0.041 (J)	0.048 (J)					
2/9/2021				0.051 (J)	0.094 (J)	0.056 (J)	<0.2		
2/10/2021	0.033 (J)	0.17	0.051 (J)					0.12	0.028 (J)
9/8/2021					0.15	0.044 (J)	0.055 (J)		0.034 (J)
9/9/2021		0.18	0.06 (J)					0.17	
9/10/2021	0.032 (J)			0.067 (J)					
2/2/2022		0.19	0.043 (J)	0.063 (J)			0.028 (J)		0.055 (J)
2/3/2022	0.074 (J)				0.068 (J)	0.027 (J)		0.078 (J)	
8/31/2022	<0.1	0.172	0.147	<0.1	0.169	<0.2			
9/2/2022							0.082 (J)	0.141	0.059 (J)
2/2/2023	<0.1	0.217	0.182	0.134		<0.2		0.176	
2/3/2023					0.136		<0.2		
2/7/2023									0.038 (J)
8/9/2023				0.111			0.137		0.23
8/10/2023	<0.1	0.141	0.079 (J)		0.131	0.0335 (J)		0.129	
1/25/2024	0.193	0.295	0.222	0.252	0.225	0.153	<0.2	0.296	0.105
8/21/2024	<0.1	0.139	0.0405 (J)	0.063 (J)	0.0719 (J)	<0.2	<0.2	0.0683 (J)	0.0693 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
2/5/2025	<0.1	0.212	<0.1	0.0351 (J)		<0.2	<0.2	0.086 (J)	<0.5
2/13/2025					0.0561 (J)				
Mean	0.08638	0.1484	0.09277	0.08605	0.1398	0.1322	0.1469	0.1067	0.1406
Std. Dev.	0.03717	0.0502	0.05213	0.04531	0.06994	0.07916	0.07327	0.05236	0.1768
Upper Lim.	0.1	0.1747	0.09482	0.08248	0.1496	0.2	0.2	0.1245	0.5
Lower Lim.	0.062	0.1222	0.04532	0.04698	0.08426	0.038	0.055	0.07993	0.028

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
6/23/2016	<0.002	<0.002	<0.002	<0.002			
6/24/2016					<0.002	<0.002	<0.002
8/31/2016	<0.002	<0.002					
9/1/2016			<0.002		<0.002	<0.002	<0.002
9/2/2016				0.0056			
10/25/2016		<0.002	<0.002		<0.002	<0.002	
10/26/2016	<0.002			0.0003 (J)			0.0002 (J)
1/26/2017	<0.002	<0.002		<0.002	<0.002	<0.002	
1/27/2017			<0.002				<0.002
4/11/2017					<0.002	<0.002	
4/12/2017	<0.002	<0.002	<0.002	<0.002			<0.002
6/21/2017	<0.002			<0.002	<0.002	<0.002	<0.002
6/22/2017		<0.002	<0.002				
10/25/2017		<0.002					<0.002
10/26/2017	<0.002		<0.002	<0.002	<0.002	<0.002	
4/10/2018				<0.002	<0.002	<0.002	
4/11/2018	<0.002	<0.002	<0.002				<0.002
10/16/2018					<0.002		
10/17/2018	<0.002	<0.002	<0.002	0.0016		<0.002	<0.002
3/27/2019				<0.002			<0.002
3/28/2019		<0.002	<0.002		<0.002	<0.002	
3/29/2019	<0.002						
8/20/2019					<0.002		
8/21/2019	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002
10/8/2019				<0.002			
10/9/2019	0.00019 (J)	0.00016 (J)	<0.002		<0.002	<0.002	<0.002
4/8/2020			0.031	<0.002	<0.002	<0.002	
4/9/2020	<0.002	<0.002					<0.002
5/27/2020			0.00014 (J)				
8/18/2020						<0.002	
8/19/2020		<0.002	0.00013 (J)	<0.002	<0.002		
8/20/2020	<0.002						0.00028 (J)
9/29/2020				<0.002	<0.002	<0.002	
9/30/2020							0.0002 (J)
10/1/2020	<0.002	<0.002	<0.002				
2/9/2021			<0.002	<0.002	<0.002	<0.002	
2/10/2021	<0.002	<0.002					<0.002
9/8/2021				0.0016	<0.002	0.00022 (J)	
9/9/2021	<0.002	<0.002					0.00031 (J)
9/10/2021			<0.002				
2/2/2022	0.00024 (J)	<0.002	<0.002			<0.002	
2/3/2022				<0.002	0.00021 (J)		<0.002
8/31/2022	<0.002	<0.002	<0.002	<0.002	<0.002		
9/2/2022						<0.002	<0.002
2/2/2023	<0.002	<0.002	<0.002		<0.002		<0.002
2/3/2023				<0.002		<0.002	
8/9/2023			<0.002			<0.002	
8/10/2023	<0.002	<0.002		0.000841 (J)	<0.002		<0.002
1/25/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002	0.000948 (J)	<0.002	<0.002	<0.002
2/5/2025	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
2/13/2025				<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18
Mean	0.001851	0.001923	0.003011	0.001954	0.001925	0.001926	0.001708
Std. Dev.	0.000504	0.0003756	0.005854	0.0008985	0.0003654	0.0003633	0.0006675
Upper Lim.	0.002	0.002	0.031	0.002	0.002	0.002	0.002
Lower Lim.	0.00024	0.00016	0.00014	0.0016	0.00021	0.00022	0.00031

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
8/31/2016	<0.01	0.0039 (J)	<0.01						
9/1/2016				<0.01		<0.01	<0.01	0.0033 (J)	
9/2/2016					0.0045 (J)				
10/25/2016	0.0024 (J)		<0.01	<0.01		<0.01	<0.01		
10/26/2016		0.0025 (J)			0.0025 (J)			0.0037 (J)	
1/26/2017	0.0033 (J)	0.0035 (J)	<0.01		<0.01	<0.01	<0.01		
1/27/2017				<0.01				0.0048 (J)	
4/11/2017						<0.01	<0.01		
4/12/2017	<0.01	<0.005	<0.01	<0.01	<0.01			0.0039 (J)	
6/21/2017		<0.005			<0.01	<0.01	<0.01	0.0037 (J)	
6/22/2017	<0.01		<0.01	<0.01					
10/25/2017	0.005		<0.01					0.0047 (J)	
10/26/2017		0.0041 (J)		<0.01	<0.01	<0.01	<0.01		
4/10/2018	0.005				0.0029 (J)	0.0031 (J)	0.0023 (J)		
4/11/2018		0.0041 (J)	<0.01	0.0015 (J)				0.0062	
10/16/2018						0.0016 (J)			
10/17/2018	0.0025 (J)	0.0037 (J)	<0.01	0.0011 (J)	<0.01		0.0014 (J)	0.0049 (J)	
8/20/2019						<0.01			
8/21/2019	0.0034 (J)	<0.005	<0.01	<0.01	<0.01		<0.01	0.0036 (J)	
10/8/2019					0.004 (J)				
10/9/2019	0.0083	0.0077	0.0061	0.0055		0.0076	0.0071	0.013	
4/8/2020	<0.01			<0.01	<0.01	<0.01	<0.01		
4/9/2020		<0.005	<0.01					<0.005	
6/23/2020		0.0042 (J)		<0.01					
6/24/2020						<0.01	<0.01	0.0047 (J)	0.013
6/25/2020	0.0046 (J)				0.004 (J)				
6/26/2020			<0.01						
8/18/2020	<0.01						<0.01		
8/19/2020			<0.01	<0.01	<0.01	<0.01			
8/20/2020		<0.005						<0.005	0.012
9/29/2020	<0.01				<0.01	<0.01	<0.01		
9/30/2020								0.0048 (J)	0.012
10/1/2020		0.0035 (J)	<0.01	<0.01					
2/9/2021				<0.01	<0.01	<0.01	<0.01		
2/10/2021	<0.01	<0.005	<0.01					0.0041 (J)	0.014
9/8/2021					<0.01	<0.01	<0.01		0.013
9/9/2021		0.0037 (J)	<0.01					0.0047 (J)	
9/10/2021	<0.01			<0.01					
2/2/2022		0.0039 (J)	<0.01	0.0012 (J)			0.0014 (J)		0.014
2/3/2022	0.0031 (J)				0.002 (J)	0.002 (J)		0.0046 (J)	
8/31/2022	0.00308 (J)	0.00345 (J)	<0.01	<0.01	<0.01	<0.01			
9/2/2022							<0.01	0.0038 (J)	0.0117
2/2/2023	<0.01	0.00337 (J)	<0.01	<0.01		<0.01		0.00391 (J)	
2/3/2023					<0.01		<0.01		
2/7/2023									0.0133
8/9/2023				<0.01			<0.01		0.013
8/10/2023	<0.01	0.00333 (J)	<0.01		<0.01	<0.01		0.0043 (J)	
1/25/2024	<0.01	0.00315 (J)	<0.01	<0.01	<0.01	<0.01	<0.01	0.00385 (J)	0.0136
8/21/2024	<0.01	0.00349 (J)	<0.01	<0.01	<0.01	<0.01	<0.01	0.00449 (J)	0.0165
2/5/2025	0.00372 (J)	0.00367 (J)	<0.01	<0.01		<0.01	<0.01	0.0045 (J)	0.0159
2/13/2025					0.00369 (J)				
Mean	0.007148	0.004142	0.00983	0.008665	0.007982	0.008883	0.008791	0.004546	0.0135

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
Std. Dev.	0.00325	0.001055	0.0008132	0.003076	0.003156	0.00269	0.002876	0.00201	0.001471
Upper Lim.	0.01	0.004058	0.01	0.01	0.01	0.01	0.01	0.0047	0.01465
Lower Lim.	0.0034	0.003188	0.0061	0.0055	0.004	0.0076	0.0071	0.0037	0.01235

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-8	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-18
8/31/2016	<0.0002	<0.0002				
9/1/2016			<0.0002		8.8E-05 (J)	<0.0002
9/2/2016				<0.0002		
10/25/2016	<0.0002		<0.0002		<0.0002	
10/26/2016		<0.0002		<0.0002		<0.0002
1/26/2017	<0.0002	8.1E-05 (J)		<0.0002	7.9E-05 (J)	
1/27/2017			7.7E-05 (J)			7.4E-05 (J)
4/11/2017					<0.0002	
4/12/2017	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
6/21/2017		<0.0002		<0.0002	0.00011 (J)	<0.0002
6/22/2017	<0.0002		<0.0002			
10/25/2017	<0.0002					<0.0002
10/26/2017		<0.0002	<0.0002	<0.0002	9.4E-05 (J)	
4/10/2018	7E-05 (J)			7.1E-05 (J)	9.9E-05 (J)	
4/11/2018		<0.0002	<0.0002			<0.0002
10/16/2018					7E-05 (J)	
10/17/2018	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
8/20/2019					<0.0002	
8/21/2019	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
4/8/2020	<0.0002		<0.0002	<0.0002	<0.0002	
4/9/2020		<0.0002				<0.0002
8/18/2020	<0.0002					
8/19/2020			<0.0002	<0.0002	<0.0002	
8/20/2020		<0.0002				<0.0002
9/8/2021				<0.0002	<0.0002	
9/9/2021		<0.0002				<0.0002
9/10/2021	<0.0002		<0.0002			
2/2/2022		<0.0002	<0.0002			
2/3/2022	<0.0002			<0.0002	<0.0002	<0.0002
8/31/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
9/2/2022						<0.0002
2/2/2023	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
2/3/2023				<0.0002		
8/9/2023			<0.0002			
8/10/2023	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
1/25/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/5/2025	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
2/13/2025				<0.0002		
Mean	0.0001932	0.0001937	0.0001935	0.0001932	0.0001653	0.0001934
Std. Dev.	2.982E-05	2.73E-05	2.822E-05	2.959E-05	5.307E-05	2.891E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	7E-05	8.1E-05	7.7E-05	7.1E-05	9.4E-05	7.4E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-8	ARGWC-15	ARGWC-18	ARAMW-4
8/31/2016	0.034			
9/1/2016			<0.001	
9/2/2016		0.0015 (J)		
10/26/2016	0.0377	<0.015	<0.001	
1/26/2017	0.04	<0.015		
1/27/2017			<0.001	
4/12/2017	0.035	<0.015	<0.001	
6/21/2017	0.038	<0.015	<0.001	
10/25/2017			<0.001	
10/26/2017	0.041	<0.015		
4/10/2018		0.00097 (J)		
4/11/2018	0.037		<0.001	
10/17/2018	0.036	<0.015	<0.001	
8/21/2019	0.051	0.0017 (J)	<0.001	
10/8/2019		0.0011 (J)		
10/9/2019	0.049		<0.001	
4/8/2020		0.00075 (J)		
4/9/2020	0.039		<0.001	
6/23/2020	0.043			
6/24/2020			<0.001	0.00079 (J)
6/25/2020		0.00086 (J)		
8/19/2020		0.0016 (J)		
8/20/2020	0.042		<0.001	<0.001
9/29/2020		0.0019 (J)		
9/30/2020			<0.001	0.00073 (J)
10/1/2020	0.043			
2/9/2021		0.0012 (J)		
2/10/2021	0.041		<0.001	<0.001
9/8/2021		0.0017 (J)		<0.001
9/9/2021	0.043		<0.001	
2/2/2022	0.042			<0.001
2/3/2022		0.0011 (J)	<0.001	
8/31/2022	0.0437	0.00179		
9/2/2022			<0.001	0.000288 (J)
2/2/2023	0.0428		0.000288 (J)	
2/3/2023		0.000959 (J)		
2/7/2023				0.000328 (J)
8/9/2023				<0.001
8/10/2023	0.0424	0.00212	<0.001	
1/25/2024	0.0446	0.000948 (J)	<0.001	0.000274 (J)
8/21/2024	0.0377	0.00192	<0.001	0.000218 (J)
2/5/2025	0.0394		<0.001	0.000201 (J)
2/13/2025		0.00105		
Mean	0.04097	0.00492	0.000969	0.0006524
Std. Dev.	0.004089	0.006134	0.0001485	0.0003571
Upper Lim.	0.04311	0.00212	0.001	0.001
Lower Lim.	0.03883	0.00105	0.000288	0.000218

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARAMW-4
6/23/2016	0.00029 (J)	<0.005	<0.005	<0.005			
6/24/2016					0.0014	<0.005	
8/31/2016	<0.005	0.00024 (J)					
9/1/2016			<0.005		0.0014	<0.005	
9/2/2016				0.0005 (J)			
10/25/2016	<0.005	<0.005	<0.005		0.0015 (J)	<0.005	
10/26/2016				<0.005			
1/26/2017	<0.005	<0.005		<0.005	0.00071 (J)	<0.005	
1/27/2017			<0.005				
4/11/2017					0.0011 (J)	<0.005	
4/12/2017	<0.005	<0.005	<0.005	<0.005			
6/21/2017				<0.005	0.00075 (J)	<0.005	
6/22/2017	<0.005	<0.005	<0.005				
10/25/2017	<0.005	0.00029 (J)					
10/26/2017			<0.005	0.0004 (J)	0.0012 (J)	<0.005	
4/10/2018	<0.005			0.00044 (J)	0.0013	<0.005	
4/11/2018		<0.005	<0.005				
10/16/2018					0.00072 (J)		
10/17/2018	<0.005	<0.005	<0.005	<0.005		<0.005	
3/27/2019				<0.005			
3/28/2019	<0.005	<0.005	<0.005		0.0017	<0.005	
8/20/2019					<0.005		
8/21/2019	<0.005	<0.005	<0.005	<0.005		<0.005	
10/8/2019				<0.005			
10/9/2019	<0.005	<0.005	<0.005		0.0018 (J)	<0.005	
4/8/2020	<0.005		<0.005	<0.005	0.0022 (J)	<0.005	
4/9/2020		<0.005					
8/18/2020	<0.005					<0.005	
8/19/2020		<0.005	<0.005	<0.005	0.0029 (J)		
8/20/2020							<0.005
9/29/2020	<0.005			<0.005	0.0025 (J)	<0.005	
9/30/2020							<0.005
10/1/2020		<0.005	<0.005				
2/9/2021			<0.005	<0.005	0.0019 (J)	<0.005	
2/10/2021	<0.005	<0.005					<0.005
9/8/2021				<0.005	0.0024 (J)	<0.005	<0.005
9/9/2021		<0.005					
9/10/2021	0.0028 (J)		0.0017 (J)				
2/2/2022		<0.005	<0.005			0.00076 (J)	0.0011 (J)
2/3/2022	<0.005			<0.005	0.0032 (J)		
8/31/2022	<0.005	<0.005	<0.005	<0.005	0.00287 (J)		
9/2/2022						<0.005	<0.005
2/2/2023	<0.005	<0.005	<0.005		0.00466 (J)		
2/3/2023				<0.005		<0.005	
2/7/2023							<0.005
8/9/2023			<0.005			0.00231 (J)	<0.005
8/10/2023	<0.005	<0.005		<0.005	0.00421 (J)		
1/25/2024	<0.005	<0.005	<0.005	<0.005	0.00555	<0.005	0.00276 (J)
8/21/2024	<0.005	<0.005	<0.005	<0.005	0.00497 (J)	<0.005	0.00323 (J)
2/5/2025	<0.005	<0.005	<0.005		0.00451 (J)	<0.005	0.00257 (J)
2/13/2025				<0.005			
Mean	0.004712	0.004605	0.004862	0.004431	0.002415	0.004711	0.00406

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-7	ARGWC-9	ARGWC-10	ARGWC-15	ARGWC-16	ARGWC-17	ARAMW-4
Std. Dev.	0.001043	0.001337	0.0006736	0.001538	0.001432	0.001005	0.001398
Upper Lim.	0.005	0.005	0.005	0.005	0.003145	0.005	0.005
Lower Lim.	0.0028	0.00029	0.0017	0.0005	0.001684	0.00231	0.00257

Confidence Interval

Constituent: Silver (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16
6/23/2016	<0.001	
6/24/2016		<0.001
10/25/2016		<0.001
10/26/2016	<0.001	
4/11/2017		<0.001
4/12/2017	<0.001	
10/26/2017	0.00037 (J)	0.00026 (J)
4/10/2018	<0.001	<0.001
10/16/2018		<0.001
10/17/2018	<0.001	
3/27/2019	<0.001	
3/28/2019		<0.001
10/8/2019	0.00018 (J)	
10/9/2019		<0.001
4/8/2020	<0.001	<0.001
9/29/2020	<0.001	<0.001
2/9/2021	<0.001	<0.001
9/8/2021	<0.001	<0.001
2/3/2022	<0.001	<0.001
8/31/2022	<0.001	<0.001
2/2/2023		<0.001
2/3/2023	<0.001	
8/10/2023	<0.001	<0.001
1/25/2024	<0.001	<0.001
8/21/2024	<0.001	<0.001
2/5/2025		<0.001
2/13/2025	<0.001	
Mean	0.0009237	0.0009611
Std. Dev.	0.0002308	0.0001698
Upper Lim.	0.001	0.001
Lower Lim.	0.00037	0.00026

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/22/2025 3:19 PM View: Appendix I & IV - Confidence Intervals (100% ND)

Plant Arkwright Client: Southern Company Data: Arkwright No 3

	ARGWC-15	ARGWC-16	ARGWC-17	ARGWC-18	ARAMW-4
9/1/2016		<0.002	<0.002	<0.002	
9/2/2016	9.5E-05 (J)				
10/25/2016		<0.002	<0.002		
10/26/2016	<0.002			<0.002	
1/26/2017	<0.002	<0.002	<0.002		
1/27/2017				<0.002	
4/11/2017		<0.002	<0.002		
4/12/2017	<0.002			<0.002	
6/21/2017	<0.002	<0.002	<0.002	<0.002	
10/25/2017				<0.002	
10/26/2017	<0.002	<0.002	<0.002		
4/10/2018	<0.002	<0.002	<0.002		
4/11/2018				<0.002	
10/16/2018		<0.002			
10/17/2018	<0.002		<0.002	<0.002	
8/20/2019		<0.002			
8/21/2019	<0.002		<0.002	<0.002	
10/8/2019	<0.002				
10/9/2019		<0.002	<0.002	<0.002	
4/8/2020	<0.002	<0.002	<0.002		
4/9/2020				<0.002	
8/18/2020			<0.002		
8/19/2020	<0.002	0.00027 (J)			
8/20/2020				<0.002	0.00022 (J)
9/29/2020	<0.002	0.00025 (J)	<0.002		
9/30/2020				<0.002	<0.002
2/9/2021	<0.002	<0.002	<0.002		
2/10/2021				<0.002	<0.002
9/8/2021	<0.002	0.00025 (J)	0.00063 (J)		<0.002
9/9/2021				0.00028 (J)	
2/2/2022			<0.002		<0.002
2/3/2022	<0.002	<0.002		<0.002	
8/31/2022	<0.002	<0.002			
9/2/2022			<0.002	<0.002	<0.002
2/2/2023		<0.002		<0.002	
2/3/2023	<0.002		<0.002		
2/7/2023					<0.002
8/9/2023			<0.002		<0.002
8/10/2023	<0.002	<0.002		<0.002	
1/25/2024	<0.002	<0.002	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	<0.002
2/5/2025		<0.002	<0.002	<0.002	<0.002
2/13/2025	<0.002				
Mean	0.001913	0.001762	0.001938	0.001922	0.001838
Std. Dev.	0.0004061	0.0006124	0.0002921	0.0003667	0.0005367
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	9.5E-05	0.00027	0.00063	0.00028	0.002

ND substitution: RL or RL/2 if <15% NDs.

FIGURE J.

Appendix I & IV - Trend Tests - All Results (No Significant)

Plant Arkwright Client: Southern Company Data: Arkwright No 3 Printed 5/22/2025, 3:29 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	ARGWA-3 (bg)	0	5	76	No	23	91.3	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-5 (bg)	0	-3	-76	No	23	86.96	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-12 (bg)	-0.000001327	-59	-76	No	23	47.83	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-13 (bg)	0	9	76	No	23	91.3	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-14 (bg)	0	6	76	No	23	95.65	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWA-24 (bg)	0	8	27	No	11	63.64	n/a	n/a	0.05	NP
Cobalt (mg/L)	ARGWC-17	0.001414	71	76	No	23	0	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-3 (bg)	0	5	71	No	22	90.91	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-5 (bg)	0	0	71	No	22	81.82	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-12 (bg)	0	0	71	No	22	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-13 (bg)	0	0	71	No	22	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-14 (bg)	0	-3	-71	No	22	95.45	n/a	n/a	0.05	NP
Thallium (mg/L)	ARGWA-24 (bg)	0	0	27	No	11	100	n/a	n/a	0.05	NP
Thallium (mg/L)	ARAMW-4	0	10	27	No	11	90.91	n/a	n/a	0.05	NP

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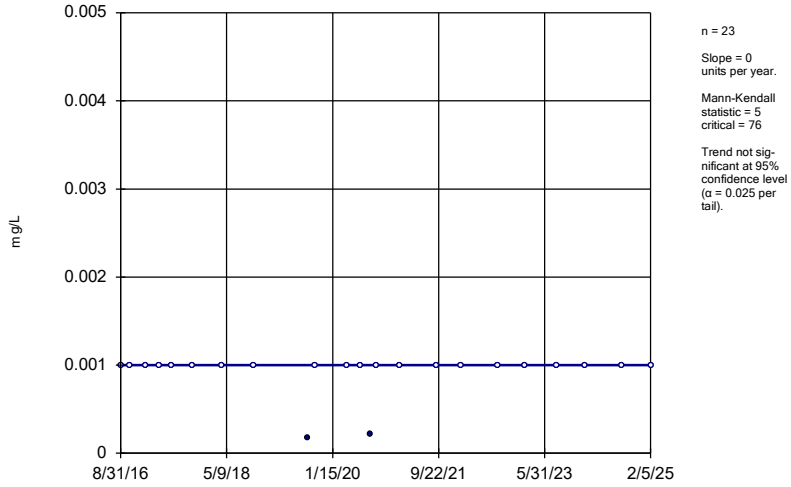
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-3 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 5
critical = 76

Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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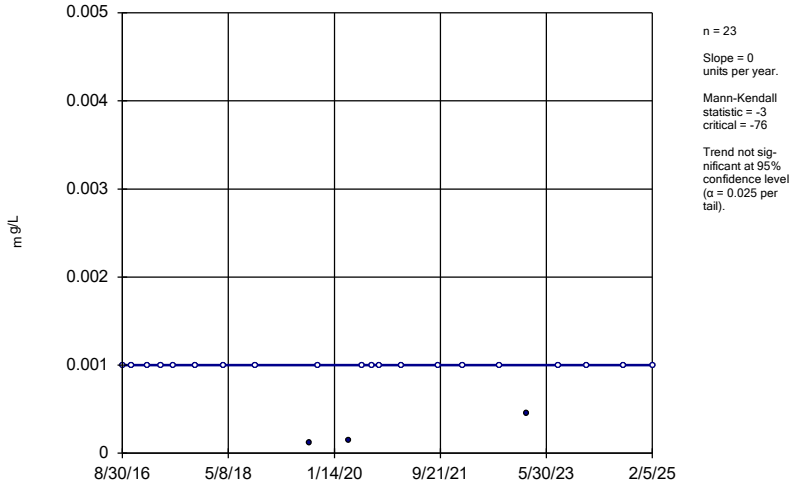
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-5 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = -3
critical = -76

Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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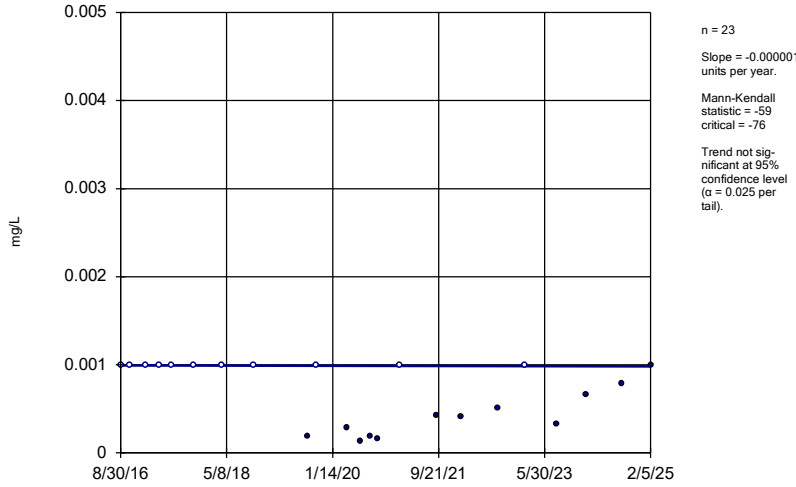
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-12 (bg)



n = 23

Slope = -0.000001327
units per year.

Mann-Kendall
statistic = -59
critical = -76

Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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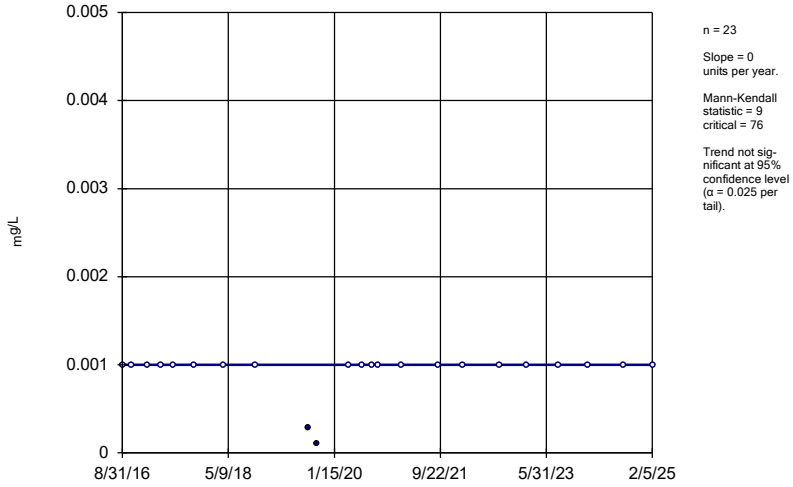
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-13 (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = 9
critical = 76

Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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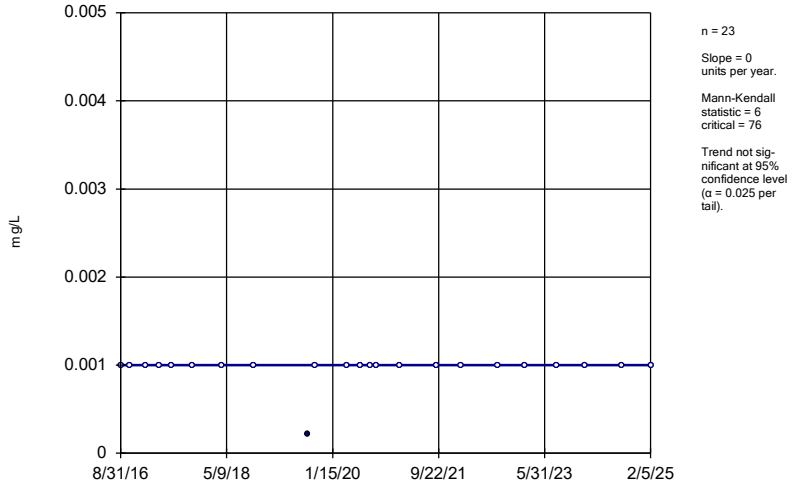
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-14 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 6 critical = 76

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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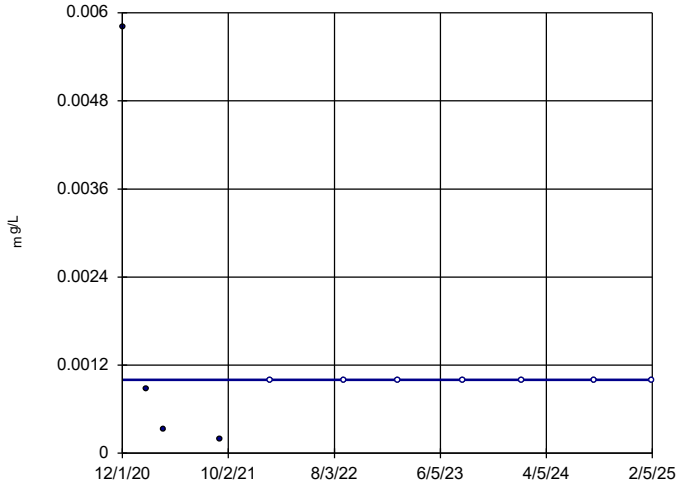
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-24 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 8 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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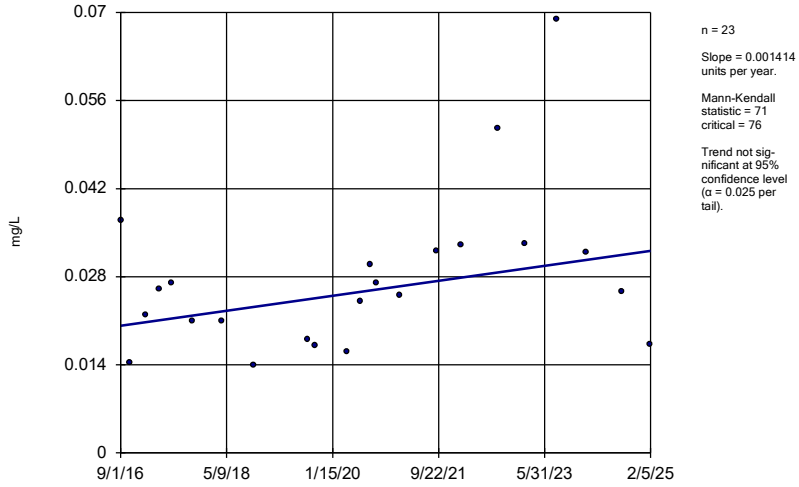
Sen's Slope Estimator

ARGWC-17



n = 23

Slope = 0.001414 units per year.

Mann-Kendall statistic = 71 critical = 76

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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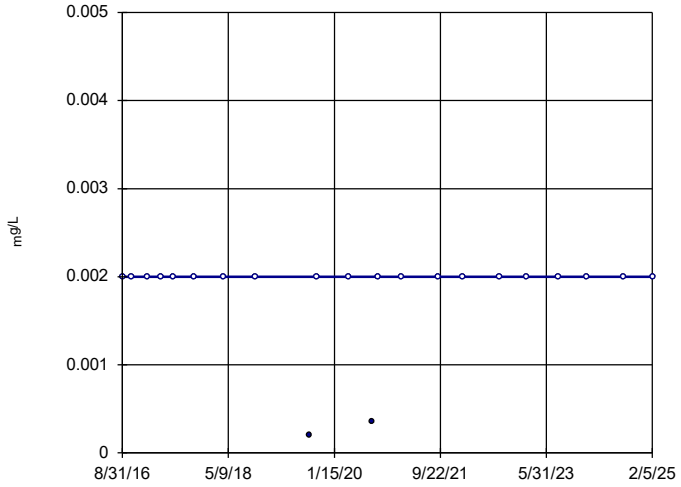
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-3 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 5 critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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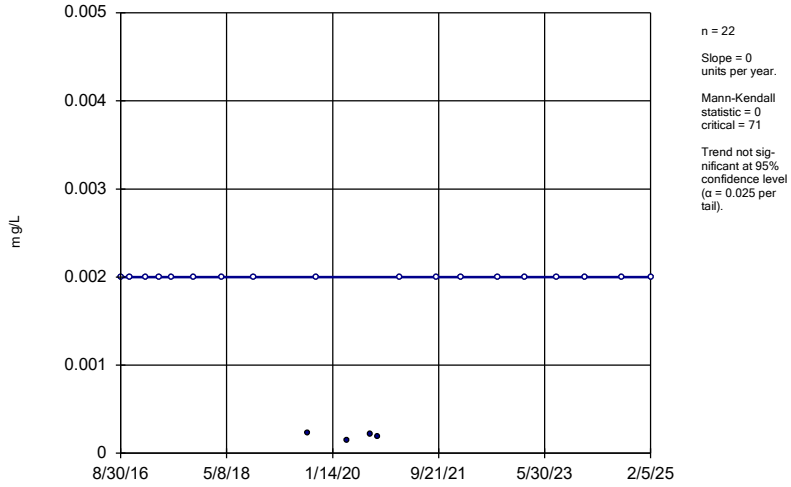
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-5 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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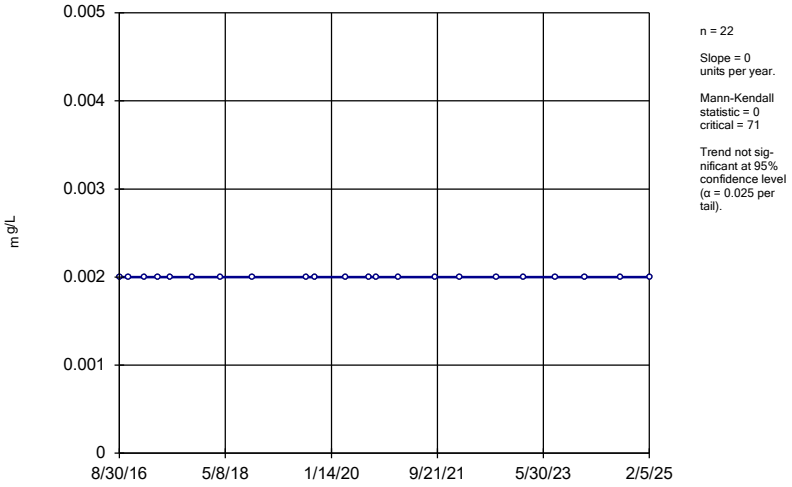
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-12 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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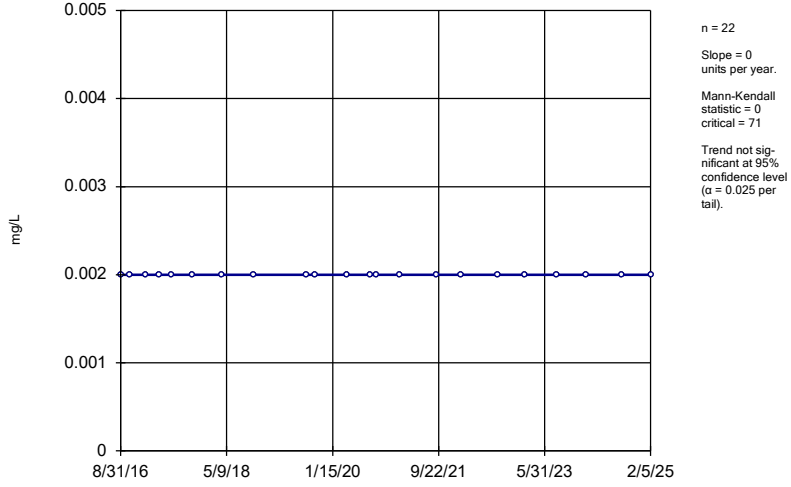
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-13 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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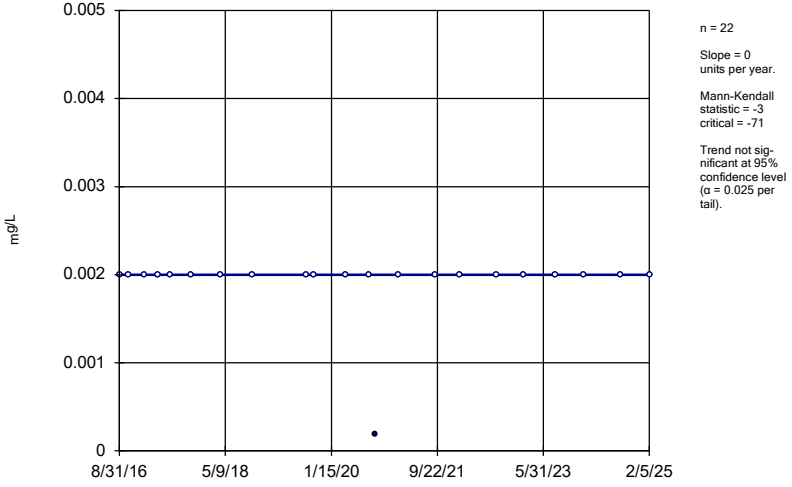
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-14 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -3 critical = -71

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend
Plant Arkwright Client: Southern Company Data: Arkwright No 3

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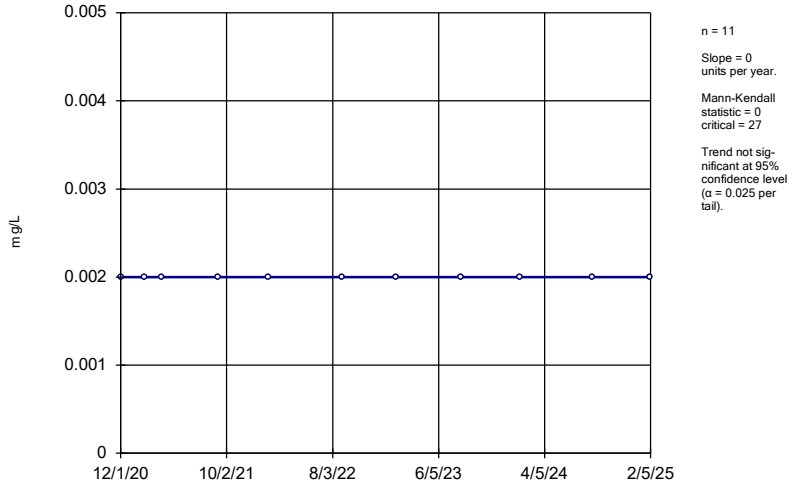
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARGWA-24 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3

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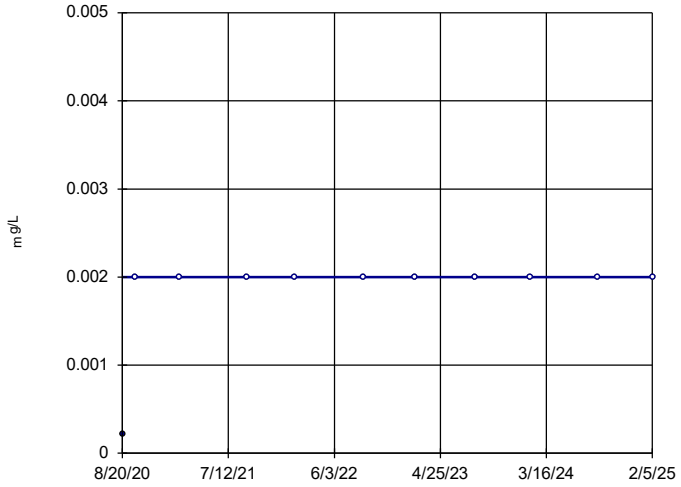
Hollow symbols indicate censored values.

Sen's Slope Estimator

ARAMW-4



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 10 critical = 27

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 5/22/2025 3:24 PM View: Appendix I & IV - Trend

Plant Arkwright Client: Southern Company Data: Arkwright No 3