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Georgia Power

2025 Semiannual Groundwater Monitoring and Corrective Action Report

Plant Yates – AP-1
Permit 038-017D(CCR)
Newnan, Georgia

February 28, 2026



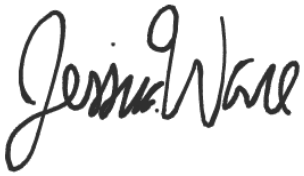
Semiannual Groundwater Monitoring and Corrective Action Report

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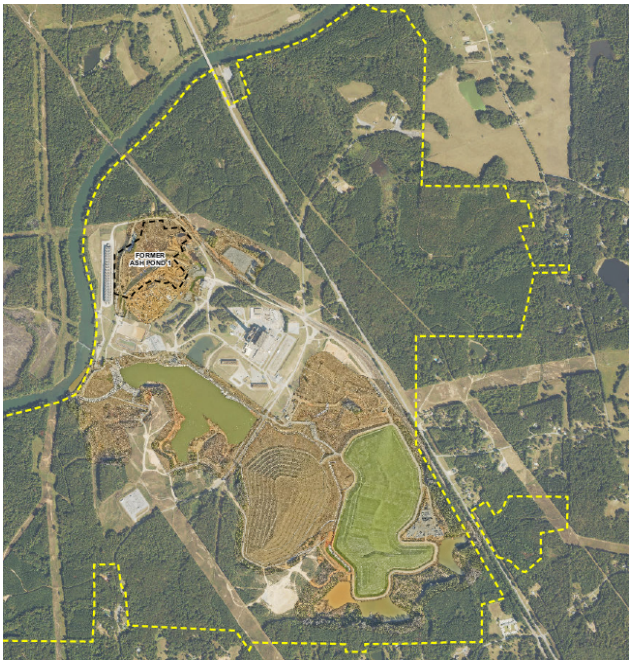


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Summary

This summary of the 2026 Semiannual Groundwater Monitoring and Corrective Action Report provides the status of the groundwater monitoring and corrective action program from July 2025 through December 2025 at Georgia Power Company's (Georgia Power's) Plant Yates Ash Pond (AP) AP-1 (the site). Arcadis U.S., Inc. (Arcadis) prepared this summary on behalf of Georgia Power to meet the requirements listed in Part A, Section 6[1] of the U.S. Environmental Protection Agency (USEPA) Coal Combustion Residual (CCR) rule (40 Code of Federal Regulations [CFR] 257 Subpart D).

Plant Yates is located at 708 Dyer Road, approximately 8 miles northwest of Newnan and 13 miles southeast of Carrollton in Coweta County, Georgia. Plant Yates originally operated seven coal-fired steam generating units. Five of the units were retired in 2015, and two units were converted from coal to natural gas. CCR material resulting from power generation have historically been transferred and stored at the site. The site is located on the northwestern portion of the Plant Yates property. AP-1 was closed by removal of CCR material. The GA EPD approved Closure Permit No. 038-017D(CCR) for Plant Yates AP-1 on January 6, 2022.



Plant Yates and the site

Groundwater at the site is monitored using a comprehensive monitoring system of wells installed to meet federal and state monitoring requirements of Solid Waste Permit (038-017D(CCR)). Routine sampling and reporting began in 2019 after the completion of eight background sampling events. Based on groundwater conditions at the site, an assessment monitoring program was established on November 13, 2019. During this 2025 semiannual reporting period, the site remained in assessment monitoring.

During this reporting period, Arcadis conducted a groundwater sampling event in August 2025. Groundwater samples were submitted to Pace Analytical Services, LLC, for analysis. Per the CCR rule, groundwater results were evaluated in accordance with the certified statistical methods. That evaluation showed statistically significant values of Appendix III[2] parameters in wells provided in the table below. There were no statistically significant levels (SSLs) detected for Appendix IV[3] parameters[4].

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

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

[3] Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228.

[4] A statistically significant level SSL-related constituent is determined by comparing the confidence intervals developed to either the constituent's MCL, if available, the USEPA RSL, if no MCL is available, or the calculated background interwell prediction limit.

Appendix III Parameter	August 2025
Boron	YGWC-44, YGWC-45, YGWC-46A
Calcium	YGWC-45, YGWC-46A,
Chloride	YGWC-46A
Sulfate	YGWC-45, YGWC-46A
Total Dissolved Solids	YGWC-45, YGWC-46A

Based on review of the Appendix III and Appendix IV statistical results completed for the groundwater monitoring and corrective action program, the site will continue in assessment monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the site. Reports will be posted to the website and provided to Georgia Environmental Protection Division (GA EPD) semiannually.

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Acronyms and Abbreviations

ACC	Atlantic Coast Consulting, Inc.
AP	Plant Yates Ash Ponds
CCR	Coal Combustion Residuals
CFR	Code of Federal Regulations
DO	dissolved oxygen
EPD	Environmental Protection Division
GAEPD	Georgia Environmental Protection Division
GPC	Georgia Power Company
GWPS	Groundwater Protection Standard
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
mg/L	milligrams per liter
ORP	oxidation-reduction potential
QA/QC	Quality Assurance/Quality Control
SSI	Statistically Significant Increase
SSL	statistically significant level
TDS	total dissolved solids
USEPA	United States Environmental Protection Agency

Professional Certification

This 2025 Semiannual Groundwater Monitoring and Corrective Action Report, Plant Yates (AP-1) has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule (40 Code of Federal Regulations [CFR] 257 Subpart D), specifically § 257.90(e), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Arcadis, U.S., 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.

Arcadis U.S., Inc.



02/26/2026

J. Geoffrey Gay, P.E.
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Date

1 Introduction

This 2025 Semiannual Groundwater Monitoring and Corrective Action Report documents groundwater monitoring conducted at the Georgia Power Company (GPC) Plant Yates Ash Pond (AP) AP-1 (the site) between July 2025 and December 2025. This report was prepared in accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule (40 Code of Federal Regulations [CFR] 257 Subpart D) and the Georgia Environmental Protection Division (GAEPD) Rules for Solid Waste Management 391-3-4-.10. Groundwater monitoring requirements for the site are specified by GAEPD Rule 391-3-4-.10(6)(a), which also incorporates the USEPA CCR Rule. For ease of reference, the USEPA CCR Rules are cited within this report.

Groundwater monitoring and reporting for CCR units is performed in accordance with the monitoring requirements §§ 257.90 through 257.95 of the Federal CCR Rule and the GAEPD Rule 391-3-4-10(6)(a)-(c). An assessment monitoring notification was placed in the operating record in November 2019 based on statistically significant increases (SSIs) documented in the 2019 Annual Groundwater Monitoring and Corrective Action Report. This report presents the results of the semiannual monitoring for Appendix III and IV of 40 CFR 257 constituents conducted in August 2025.

1.1 Site Description and Background

Plant Yates is located at 708 Dyer Road on the east bank of the Chattahoochee River in Coweta County, Georgia near the Coweta and Carroll County line. The site is approximately 8 miles northwest of the City of Newnan and 13 miles southeast of the City of Carrollton. Plant Yates occupies approximately 2,400 acres. **Figure 1** depicts the site location relative to the surrounding area.

AP-1 was closed by removal; the CCR material was removed from AP-1 to the R6 CCR on-site landfill; a smaller portion was used to establish final grades for a portion of the AMA. GAEPD provided an acknowledgement of removal of CCR in a letter dated November 3, 2020. A permit application to comply with GAEPD Rules was submitted in November 2018 and approved on January 6, 2022 (038-017D(CCR)). Semiannual reporting is completed pursuant to 391-3-4-.10(6)(c). Areas where CCR Removal Reports have been submitted to GAEPD are shown in **Figure 2**.

1.2 Site Geology and Hydrogeologic Setting

Plant Yates is located in the Inner Piedmont Physiographic Province of western Georgia, immediately southeast of the Brevard Zone, a regional fault zone that separates the Piedmont from the Blue Ridge. Rock units at Plant Yates are primarily interlayered gneiss and schists. The rocks in the area have been subjected to extensive metamorphism, deformation, and igneous intrusions. Extensive fracture sets are present in the underlying bedrock. Surface expressions of these fractures are observed on topographic maps and aerial photos of the Plant Yates area (ACC 2019).

A thin layer of soil from 1 to 2 feet thick overlies a thick layer of saprolite. The saprolite, which extends to typical depths of 20 to 40 feet below ground surface, was formed in place by the physical and chemical weathering of the underlying metamorphic rocks. The saprolite typically consists of clay and silt-rich soils that grade to sandier soils with depth. A zone of variable thickness (approximately 5 to 20 feet) of transitionally weathered rock typically exists between the saprolite and competent bedrock. The lithology of the transition zone is highly variable and ranges from medium to coarse unconsolidated material to highly fractured and weathered rock fragments.

Localized alluvial soils consisting of generally coarser material (silty-sand, clayey silt, and silty clay with well-rounded gravel and cobbles) that have been observed in saprolite may be related to historical river channel migration.

At Plant Yates, groundwater is typically encountered slightly above the saprolite/weathered rock interface. Groundwater flow in the saprolite zone is through interconnected pores and relict textures and fractures. As the rock becomes increasingly competent with depth, groundwater flow occurs mainly through joints and fractures (i.e., secondary porosity). Recharge to the water-bearing zones in fractured bedrock takes place by seepage through the overlying mantle of soil/saprolite, or by direct entrance through openings in outcrops. The average depth of the water table at Plant Yates varies with topography, ranging from approximately 5 to 50 feet below ground surface. The water table occurs in the saprolite and in the transitionally weathered zone, at least several feet above the top of rock.

Field hydraulic conductivity tests (i.e., slug tests) have been performed in saprolite and weathered bedrock at multiple locations at the site. The hydraulic conductivity at these locations is typically in a range from 10^{-3} to 10^{-4} centimeters per second, based on multiple rising-head and falling-head slug tests conducted in 2017 (ACC 2021). This indicates a fairly uniform medium across the saprolite and weathered rock horizon. The hydraulic conductivity values from the field tests fall within a range consistent with that of Piedmont overburden (Newell et al. 1990).

1.3 Groundwater Monitoring Well Network and CCR Unit Description

Pursuant to § 257.91, a groundwater monitoring system was installed within the uppermost aquifer at Plant Yates' AP-1 CCR Unit. The monitoring system is designed to monitor groundwater passing the waste boundary of the CCR Unit within the uppermost aquifer. Wells are located to monitor upgradient and downgradient conditions based on groundwater flow direction. The compliance monitoring well network is summarized in **Table 1** along with a series of piezometers installed to supplement groundwater elevation measurements. Upgradient monitoring well GWA-2 was abandoned on January 7, 2025 following the termination of the Gypsum Landfill Permit provided in GA EPD's November 25, 2024 letter. The historical data from GWA-2 will continue to be managed as part of the Site's upgradient well dataset.

As typical of the Piedmont Physiographic Province, there is a degree of connectivity between the saprolite and partially weathered rock units. Fractured bedrock may or may not be connected to the overlying units, and flow may be controlled by geologic structures present. Based on the site hydrogeology, the monitoring system is designed to monitor groundwater flow in the saprolite, the transition zone, and the upper bedrock. The monitoring well network for the site is illustrated on **Figure 3**.

2 Groundwater Monitoring

Pursuant to 40 CFR § 257.90(e), the following describes monitoring-related activities performed in the second half of 2024 through the first half of 2025 and presents the status of the monitoring program. Groundwater sampling was performed in accordance with 40 CFR § 257.93. Samples were collected from each detection monitoring well in the certified monitoring system shown on **Figure 3**.

Table 2 summarizes the groundwater sampling event conducted at the site from July through December 2025. During the August 2025 event, groundwater samples were collected for both 40 CFR Part 257 Appendix III and Appendix IV constituents. Laboratory reports for the monitoring events are presented in **Appendix A**. Field sampling logs are provided in **Appendix B**.

2.1 Monitoring Well Installation and Maintenance

Monitoring well-related activities were limited to visual inspection of well conditions before sampling, recording the site conditions, and performing exterior maintenance to provide safe access for sampling. Details regarding the wells are included in **Table 1,** and locations are presented on **Figure 3**.

Monitoring wells are inspected semiannually to determine if any 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 2025, monitoring wells were inspected, necessary corrective actions were identified and subsequently completed where necessary, as documented in **Appendix B**. There were no well maintenance issues during this period that required corrective actions.

2.2 Assessment Monitoring

SSIs of Appendix III constituents were identified in the initial detection monitoring event (March 2019). Pursuant to 40 CFR §§ 257.95(b) and 257.95(d)(1), groundwater samples collected in August 2025 from the CCR monitoring wells were analyzed for Appendix III and Appendix IV constituents. **Table 3** provides a summary of constituents monitored during the events.

3 Sampling Methodology and Analysis

Groundwater monitoring methods used at the site are described in the following sections.

3.1 Groundwater Flow Direction, Gradient, and Velocity

Before each sampling event, static water elevations were recorded from piezometers and wells in the well network at AP-1. Groundwater elevations recorded during the August 2025 monitoring event are summarized in **Table 4**. Sitewide and AP-1 potentiometric surface maps are provided in **Figures 4 and 5**, respectively. The general direction of groundwater flow across the site is towards the west/southwest and is consistent with historical patterns.

The groundwater flow velocity at Plant Yates was calculated using a derivation of Darcy's Law.

Specifically:

$$v = \frac{k\left(\frac{dh}{dl}\right)}{n_e}$$

where:

v = groundwater seepage velocity
k = hydraulic conductivity
dh/dl = hydraulic gradient
n_e = effective porosity

Groundwater flow velocities were calculated for the site based on hydraulic gradients, average hydraulic conductivity based on previous slug test data, and an estimated effective porosity of 0.20 (based on a review of several sources including Driscoll 1986, USEPA 1989, and Freeze and Cherry 1979). The groundwater flow velocity has been calculated and presented in **Table 5**. The calculated average flow velocity is 1.3 feet per day or 475 feet per year. This calculated groundwater velocity across the site is generally consistent with historical calculations and with expected velocities in the site-specific geology.

3.2 Groundwater Sampling

Groundwater samples were collected using low-flow sampling procedures in accordance with 40 CFR § 257.93(a). Monitoring wells were purged and sampled using a dedicated bladder pump until water quality parameters stabilized. For wells sampled with non-dedicated bladder pumps, the pumps were lowered into the well so that the intake was at the midpoint of the well screen (or as appropriate determined by the water level). Non-disposable equipment was decontaminated before use and between well locations.

An AquaTroll 600™ (In-Situ field instrument) was used to monitor and record field water quality parameters (pH, conductivity, temperature, oxidation-reduction potential [ORP], and dissolved oxygen [DO]) during well purging to verify stabilization before sampling. Turbidity was measured using a portable turbidimeter. Groundwater samples were collected when the following stabilization criteria were met for a minimum of three consecutive readings:

- ± 0.1 standard units for pH;
- ± 5% for specific conductance;
- Turbidity measurements less than 5 nephelometric turbidity units; and
- ±10% or ±0.2 mg/L (whichever is greater) for DO where DO >0.5 mg/L. If DO <0.5 mg/L no stabilization criteria apply.

Once stabilization was achieved, samples were collected directly into laboratory-supplied sample containers with preservative (where applicable). The samples were placed on ice in an insulated cooler following their collection. The samples were submitted to Pace Analytical Services, LLC (following chain-of-custody protocol). Stabilization logs for each well and daily field calibration forms are included in **Appendix B**.

3.3 Laboratory Analysis

Groundwater samples collected during the August 2025 semiannual assessment event were analyzed for Appendix III parameters as well as Appendix IV parameters in accordance with 40 CFR §§ 257.95(b) and 257.95(d)(1). **Table 3** provides a summary of the constituents monitored during the event. Analytical methods used for groundwater sample analysis are listed on the analytical laboratory reports included in **Appendix A**.

Analytical data from the semiannual sampling for AP-1, and the upgradient wells collected in compliance with the CCR Rule, are summarized in **Tables 6a and 6b**, respectively. Laboratory analyses were performed by Pace Analytical Services, LLC, which is accredited by the National Environmental Laboratory Accreditation Program and maintains this certification for all parameters analyzed for this project. Laboratory reports and chain-of-custody records for the monitoring event are presented in **Appendix A**.

3.4 Data Quality Assurance/Quality Control and Validation

During the sampling event, quality assurance/quality control (QA/QC) samples were collected at a rate of one per 10 samples. QA/QC samples included equipment blanks (where non-dedicated equipment is used), field blanks, and duplicate samples. Groundwater quality data in this report were validated in accordance with USEPA guidance (USEPA 2011) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries and relative percent differences, post-digestion spikes, laboratory and field duplicate relative percent differences, equipment blanks, and reporting limits. Where appropriate, validation qualifiers and flags have been applied to the data using USEPA procedures as guidance (USEPA 2017). The data validation reports, prepared by Arcadis and included in **Appendix A,** summarize the validation actions and applicable interpretation.

The purpose of the data quality evaluation was to determine the reliability of the chemical analyses and the accuracy and precision of information acquired from the laboratory. Data quality was assessed through the review and evaluation of field sampling activities, quality control samples, and data associated with the chemical analytical results. The validated data meet project objectives and the associated data validation reports are provided in **Appendix A** along with the laboratory reports.

Values followed by a "J" flag indicate that the value is an estimated analyte concentration detected between the MDL 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. “J” flagged data are used to establish background statistical limits but are not used when performing statistical analyses.

4 Statistical Analysis

Statistical analysis of Appendix III and IV groundwater monitoring data was performed on samples collected from the AP-1 groundwater monitoring network pursuant to § 257.93(f) in August 2025. The statistical method used at the site was developed in accordance with 40 CFR § 257.93(f) using methodology presented in Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance, March 2009, USEPA 530/R-09-007 (USEPA 2009).

4.1 Statistical Methods

The Sanitas™ groundwater statistical software was used to perform the statistical analyses. Sanitas™ is a decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations and guidance as recommended in the Unified Guidance document (USEPA 2009). Although assessment monitoring has been implemented, statistical evaluation of Appendix III constituents is performed to determine whether constituents have returned to background conditions.

4.1.1 Appendix III Constituents

Groundwater data were evaluated using interwell prediction limits for Appendix III parameters. This method uses sitewide pooled upgradient monitoring well data to establish a background statistical limit. Data from the semiannual event are compared to the statistical limit to determine whether concentrations exceeded background levels. The statistical method incorporates an optional 1-of-2 verification resample plan. When an initial SSI or questionable

result occurs, a second sample may be collected to verify the initial result or determine whether the result was an outlier. If resampling is performed and the initial finding is not verified, the resampled value replaces the initial finding. When the resample confirms the initial result, both values remain in the database and an SSI is declared. The following criteria were applied to the evaluation:

- Statistical analyses were not performed on analytes exhibiting 100 percent non-detects.
- When data contained less than 15 percent non-detects in background, simple substitution of one half the reporting limit was used in the statistical analysis. The reporting limit used for non-detects is the practical quantification limit reported by the laboratory.
- When data contained between 15 to 50 percent non-detects, the Kaplan-Meier non-detect adjustment was applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Non-parametric prediction limits were used on data containing greater than 50 percent non-detects.

4.1.2 Appendix IV Assessment Monitoring Statistics

Parametric tolerance limits were used to calculate background limits from pooled upgradient well data for the wells identified in **Table 1** for Appendix IV parameters with a target of 95 percent confidence and 95 percent coverage. When data contained greater than 50 percent non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used. The confidence and coverage levels for non-parametric tolerance limits depend on the number of background samples. The background limits were then used when determining the Groundwater Protection Standards (GWPS) established under 40 CFR § 257.95(h) and GAEPD Rule 391-3-4-.10(6)(a).

As described in 40 CFR § 257.95(h)(1-3), the GWPS is:

- The maximum contaminant level (MCL) established under §§ 141.62 and 141.66;
- For the following constituents:
  - Cobalt 0.006 milligram per liter (mg/L)
  - Lead 0.015 mg/L
  - Lithium 0.040 mg/L
  - Molybdenum 0.100 mg/L
- The background level for constituents for which the background level is higher than the MCL or rule identified GWPS.

GWPS have been established for statistical comparison of Appendix IV constituents at AP-1. **Table 7** summarizes the background levels established at each monitoring well for the August 2025 sampling event along with the GWPS.

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV parameters in each downgradient well. Those confidence intervals were compared to the GWPS. A well/constituent pair was considered to exceed its respective standard only when the entire confidence interval exceeded a GWPS. If there was an exceedance of the established standard, an SSL exceedance was identified.

4.2 Statistical Analysis Results

Appendix III statistical analysis for wells associated with the site was performed to determine whether constituents have returned to background levels. Appendix IV assessment monitoring parameters were evaluated to determine whether concentrations statistically exceed the established GWPS. Analytical data from the August 2025 event were statistically analyzed in accordance with the Statistical Analysis Plan (Groundwater Stats Consulting 2019).

4.2.1 Appendix III Constituents

Based on review of the Appendix III statistical analysis presented in **Appendix C**, Appendix III constituent concentrations have not returned to background levels, and assessment monitoring should continue pursuant to 40 CFR § 257.95(f). A table summarizing these constituents and wells is provided in **Appendix C**.

4.2.2 Appendix IV Assessment Monitoring Constituents

Statistical analysis of the August 2025 Appendix IV data at AP-1 was completed using the GWPS established according to both 40 CFR § 257.95(h) and GAEPD Rule 391-3-4-.10(6)(a). No Statistically Significant Levels (SSLs) were identified.

5 Monitoring Program Status

In accordance with 40 CFR § 257.94(e), an assessment monitoring program was implemented in November 2019. No statistical exceedance of a GWPS for Appendix IV parameters has been identified. Pursuant to 40 CFR § 257.96(b), groundwater will continue to be monitored at AP-1 in accordance with the assessment monitoring program regulations of 40 CFR § 257.95 due to SSIs for Appendix III parameters.

6 Conclusions and Future Actions

This 2025 Semiannual Groundwater Monitoring and Corrective Action Report was prepared to fulfill the requirements of USEPA's CCR Rule 40 CFR § 257.95 and GAEPD Rule 391-3-4-.10. Statistical evaluations of the groundwater monitoring data for the site identified no exceedance of a GWPS for an Appendix IV constituent.

The next assessment monitoring event is scheduled for February 2026. This monitoring event will include sampling and analysis of all Appendix III and IV constituents.

7 References

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Tables

Table 1
Monitoring Network Well Summary
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Georgia Power Company
Plant Yates - AP-1

Well ID	Well Designation	Location	Northing [2]	Easting [2]	Ground Surface Elevation [2] (ft)	Top of Casing Elevation (ft)	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Total Well Depth (ft bTOC)	Groundwater Zone Screened	Installation Date
YGWA-4I	Detection	Upgradient	1254436.75	2075456.65	782.00	784.21	745.70	735.70	48.81	PWR/Transition Zone	5/21/2014
YGWA-5I	Detection	Upgradient	1254400.71	2076219.39	782.21	784.54	735.90	725.90	58.94	PWR/Transition Zone	5/21/2014
YGWA-5D	Detection	Upgradient	1254397.45	2076224.30	782.16	784.53	705.70	655.70	129.13	Deep Bedrock	5/21/2014
YGWA-17S	Detection	Upgradient	1257603.7	2076758.38	780.14	783.05	753.20	743.20	39.85	Saprolite	9/10/2015
YGWA-18S	Detection	Upgradient	1257116.98	2077015.60	787.69	790.57	760.90	750.90	39.97	Saprolite	9/8/2015
YGWA-18I	Detection	Upgradient	1257094.38	2077023.55	787.90	790.57	720.90	710.90	79.97	PWR/Transition Zone	9/8/2015
YGWA-20S	Detection	Upgradient	1255531.12	2077409.22	764.41	767.12	747.90	737.90	29.52	Saprolite	9/29/2015
YGWA-21I	Detection	Upgradient	1255537.44	2076768.81	780.62	783.70	714.10	704.10	79.90	PWR/Transition Zone	9/28/2015
YGWA-39	Detection	Upgradient	1255717.96	2073865.39	815.58	818.19	760.10	750.10	68.59	Upper Fractured Bedrock	7/7/2016
YGWA-40	Detection	Upgradient	1255792.83	2073431.58	813.45	815.73	778.00	768.00	48.23	Upper Fractured Bedrock	7/7/2016
YGWA-1I	Detection	Upgradient	1256876.76	2070098.84	834.33	836.60	793.30	783.30	53.60	PWR/Transition Zone	5/20/2014
YGWA-1D	Detection	Upgradient	1256868.01	2070105.52	835.04	837.25	759.20	709.20	128.85	Deep Bedrock	5/20/2014
YGWA-2I	Detection	Upgradient	1256144.35	2070791.29	864.20	866.25	812.80	802.80	63.75	PWR/Transition Zone	5/20/2014
YGWA-3I	Detection	Upgradient	1256405.65	2072025.23	794.34	796.55	747.70	737.70	59.05	PWR/Transition Zone	5/20/2014
YGWA-3D	Detection	Upgradient	1256400.26	2072027.12	794.39	796.78	712.90	662.90	134.18	Deep Bedrock	5/20/2014
YGWA-14S	Detection	Upgradient	1257829.68	2072537.61	746.58	748.76	724.10	714.10	34.96	Saprolite	5/20/2014
YGWA-30I	Detection	Upgradient	1258421.69	2071106.13	759.95	762.58	713.40	703.40	59.48	PWR/Transition Zone	9/23/2015
YGWA-47	Detection	Upgradient	1262410.74	2071817.99	755.73	758.22	709.60	699.60	59.12	Bedrock	7/11/2016
GWA-2 [1]	Detection	Upgradient	1261383.21	2073507.93	803.25	805.62	763.80	753.80	52.02	Bedrock	4/12/2007
YGWC-44	Detection	Downgradient	1261874.44	2071218.47	755.7	758.35	677.15	667.15	88.65	Bedrock	7/13/2016
YGWC-45	Detection	Downgradient	1261668.87	2070911.87	716.72	719.36	653.64	643.64	73.16	Bedrock	7/10/2016
YGWC-46A	Detection	Downgradient	1260994.40	2070971.40	730.16	733.04	669.31	659.31	70.79	PWR/Transition Zone	6/1/2020
YGWC-52	Detection	Downgradient	1262144.65	2071465.21	752.99	755.86	683.68	673.68	79.52	PWR/Transition Zone	5/28/2020
PZ-09I	Piezometer	Downgradient	1261995.51	207072.11	709.92	712.13	640.77	630.77	79.33	PWR/Transition Zone	05/19/2014
PZ-09S	Piezometer	Downgradient	1262003.23	2070721.54	709.90	712.08	660.82	650.82	59.28	Saprolite	05/19/2014
PZ-10I	Piezometer	Downgradient	1260809.55	2070552.97	697.96	700.25	649.15	639.15	48.95	PWR/Transition Zone	05/19/2014
PZ-10S	Piezometer	Downgradient	1260802.21	2070553.31	698.02	700.43	689.77	679.77	18.63	Saprolite	05/19/2014
PZ-53	Piezometer	Downgradient	1260964.35	2070921.22	729.99	732.90	659.19	649.19	72.00	Bedrock	11/18/2019

Notes:
Elevation is presented in U.S. Survey Feet (North American Vertical Datum of 1988).

Northing and Easting Georgia State Plane West, NAD83

[1] GWA-2 was not sampled during this reporting period. GWA-2 was abandoned on January 7, 2025. The historical data will continue to be managed with the sitewide background dataset.

[2] The ground surface elevation and horizontal coordinates are based on the survey nail set in the concrete pad.

Acronyms and Abbreviations:
bTOC = below top of casing

ft = feet

PWR = Partially Weathered Rock

Table 2
Groundwater Sampling Event Summary
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Georgia Power Company
Plant Yates AP-1

Well ID	Hydraulic Location	Semiannual Assessment [1]
		August 2025
YGWA-47	Upgradient	X
YGWA-4I	Upgradient [2]	X
YGWA-5I	Upgradient [2]	X
YGWA-5D	Upgradient [2]	X
YGWA-17S	Upgradient [2]	X
YGWA-18S	Upgradient [2]	X
YGWA-18I	Upgradient [2]	X
YGWA-20S	Upgradient [2]	X
YGWA-21I	Upgradient [2]	X
YGWA-39	Upgradient [2]	X
YGWA-40	Upgradient [2]	X
YGWA-1I	Upgradient [2]	X
YGWA-1D	Upgradient [2]	X
YGWA-2I	Upgradient [2]	X
YGWA-3I	Upgradient [2]	X
YGWA-3D	Upgradient [2]	X
YGWA-14S	Upgradient [2]	X
YGWA-30I	Upgradient [2]	X
YGWC-44	Downgradient	X
YGWC-45	Downgradient	X
YGWC-46A	Downgradient	X
YGWC-52	Downgradient	X

Notes
1. All wells analyzed for Appendix III and Appendix IV.
2. Pooled upgradient wells

Appendix III = Consituents for Detection Monitoring - 40 CFR Part 257 Appendix III
Appendix IV = Constituents for Assessment Monitoring - 40 CFR Part 257 Appendix IV

Table 3
Groundwater Monitoring Parameters
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Georgia Power Company
Plant Yates AP-1

40 CFR 257 Appendix III	40 CFR 257 Appendix IV
Boron	Antimony
Calcium	Arsenic
Chloride	Barium
Fluoride	Beryllium
pH	Cadmium
Sulfate	Chromium
Total Dissolved Solids	Cobalt
	Fluoride
	Lead
	Lithium
	Mercury
	Molybdenum
	Combined Radium - 226/228
	Selenium
	Thallium

Notes:
CFR - Code of Federal Regulations

Table 4
Summary of Groundwater Elevations
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Georgia Power Company
Plant Yates AP-1

Well ID	Dated Measured	TOC (ft)	Depth-to-Water (ft bTOC)	Groundwater Elevation (ft)
Downgradient Wells - August 2025				
YGWC-44	8/11/2025	758.35	49.83	708.52
YGWC-45	8/11/2025	719.36	22.70	696.66
YGWC-46A	8/11/2025	733.04	39.27	693.77
YGWC-52	8/11/2025	755.86	37.42	718.44
PZ-09S	8/11/2025	712.08	19.06	693.02
PZ-09I	8/11/2025	712.13	19.33	692.80
PZ-10S	8/11/2025	700.43	8.01	692.42
PZ-10I	8/11/2025	700.25	13.37	686.88
PZ-53	8/11/2025	732.90	39.16	693.74
Upgradient Wells - August 2025				
YGWA-4I	8/11/2025	784.21	23.63	760.58
YGWA-5I	8/11/2025	784.54	19.75	764.79
YGWA-5D	8/11/2025	784.53	20.40	764.13
YGWA-17S	8/11/2025	783.05	14.09	768.96
YGWA-18S	8/11/2025	790.57	21.53	769.04
YGWA-18I	8/11/2025	790.57	24.87	765.70
YGWA-20S	8/11/2025	767.12	12.06	755.06
YGWA-21I	8/11/2025	783.70	32.62	751.08
YGWA-39	8/11/2025	818.19	21.15	797.04
YGWA-40	8/11/2025	815.73	24.82	790.91
YGWA-1I	8/11/2025	836.60	37.14	799.46
YGWA-1D	8/11/2025	837.25	49.38	787.87
YGWA-2I	8/11/2025	866.25	44.80	821.45
YGWA-3I	8/11/2025	796.55	52.54	744.01
YGWA-3D	8/11/2025	796.78	32.00	764.78
YGWA-14S	8/11/2025	748.76	15.77	732.99
YGWA-30I	8/11/2025	762.58	40.62	721.96
YGWA-47	8/11/2025	758.22	33.73	724.49

Notes

Elevation in U.S. Survey Feet (NAVD88)

Acronyms and Abbreviations:

bTOC = below top of casing

ft = feet

NM - not measured

TOC = top of casing

Table 5
Groundwater Flow Velocity Calculations
2025 Seminnual Groundwater Monitoring and Corrective Action Report
Georgia Power Company
Plant Yates - AP-1

ARCADIS

Equation

$$V = \frac{K\,(dh/dl)}{n_e}$$

where:

V = groundwater velocity
K = hydraulic conductivity
dh/dl = i = hydraulic gradient
n_e = effective porosity

Values Used in Calculation

Value			Source
K:	3.70E-03	cm/sec	See note 1
	10.5	ft/day	
i =	0.024	unitless	Hydraulic gradient from: YGWA-47 to YGWC-45 (Aug. 2025) Distance (ft): 1172 Elevations (ft): YGWA-47: 724.49 YGWC-45: 696.66
n_e =	0.20	unitless	See note 2

Average Linear Velocity

Aug. 2025

$$V = \frac{(10.5)\,(0.024)}{0.20}$$

V = 1.3 ft/day, or 475 ft/year

Notes

1. Slug tests performed by Atlantic Coast Consulting, Inc. in 2017 (ACC 2021).
2. Default value recommended by USEPA for silty sand-type soil (USEPA 1989).

Table 6a
Groundwater Analytical Data
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Georgia Power Company
Plant Yates AP-1

Analyte Name	Units	YGWC-44 8/12/2025	YGWC-45 8/13/2025	YGWC-46A 8/13/2025	YGWC-52 8/13/2025
Appendix III					
pH	SU	5.94	6.77	7.05	6.06
Boron	mg/L	0.66	0.39	2.8	0.0088 J
Calcium	mg/L	27.9	63.3	130	33.0
Chloride	mg/L	12.0	7.5	35.6	3.1
Fluoride	mg/L	< 0.050	0.11	0.11	< 0.050
Sulfate	mg/L	120	165	455	97.6
Total Dissolved Solids	mg/L	315	457	1010	220
Appendix IV					
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.065	0.051	0.043	0.021
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.0013 J	< 0.0012	< 0.0012	0.0013 J
Fluoride	mg/L	< 0.050	0.11	0.11	< 0.050
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Lithium	mg/L	0.0127	0.0142	0.0151	0.00353
Mercury	mg/L	< 0.000091	< 0.000091	< 0.000091	< 0.000091
Molybdenum	mg/L	< 0.0025	< 0.0025	0.0027 J	< 0.0025
Combined Radium - 226/228	pCi/L	0.140 U	1.35	2.21	0.630 U
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015

Notes:
Appendix III = Consituents for Detection Monitoring - 40 CFR Part 257 Appendix III
Appendix IV = Consituents for Assessment Monitoring - 40 CFR Part 257 Appendix IV

Acronyms and Abbreviations:
< = Analyte was not detected above the laboratory method detection limit (MDL)
J: Estimated concentration above the method detection limit and below the reporting limit.
U = the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualifited by the laboratory as estimated.

Table 6b
Upgradient Groundwater Analytical Data
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Georgia Power Company
Plant Yates - AP-1

Analyte	Units	YGWA-1I 8/12/2025	YGWA-1D 8/12/2025	YGWA-2I 8/12/2025	YGWA-3I 8/12/2025	YGWA-3D 8/12/2025	YGWA-4I 8/12/2025	YGWA-5I 8/12/2025
Appendix III								
pH	SU	6.17	7.02	6.93	7.46	7.64	6.02	5.39
Boron	mg/L	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	0.0066 J
Calcium	mg/L	1.6	15.0	22.0	22.9	27.1	9.5	2.7
Chloride	mg/L	1.5	1.3	1.1	1.3	1.3	5.1	5.0
Fluoride	mg/L	< 0.050	0.061 J	0.086 J	0.094 J	0.42	< 0.050	< 0.050
Sulfate	mg/L	4.0	9.3	15.5	19.4	7.5	8.3	2.4
Total Dissolved Solids	mg/L	50.0	113	152	156	154	115	87.0
Appendix IV								
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.0079	0.0065	0.0029 J	0.0033 J	0.0045 J	0.014	0.020
Beryllium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0017 J	< 0.0012	< 0.0012
Cobalt	mg/L	0.0014 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Fluoride	mg/L	< 0.050	0.061 J	0.086 J	0.094 J	0.42	< 0.050	< 0.050
Lithium	mg/L	0.00250	0.00853	0.00344	0.0171	0.0210	0.0140	0.00324
Mercury	mg/L	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091
Molybdenum	mg/L	0.0033 J	0.0087 J	0.0080 J	0.012	0.011	< 0.0025	< 0.0025
Combined Radium - 226/228	pCi/L	0.864 U	0.478 U	0.723 U	0.718 U	2.76	1.55	0.222 U
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015

Notes:
Appendix III = Consituents for Detection Monitoring - 40 CFR Part 257 Appendix III

Appendix IV = Consituents for Assessment Monitoring - 40 CFR Part 257 Appendix IV

Acronyms and Abbreviations:
mg/L = milligrams per liter

pCi/L = picoCuries per liter

< = Analyte was not detected above the laboratory method detection limit (MDL)

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

U = the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualifited by the laboratory as estimated.

Table 6b
Upgradient Groundwater Analytical Data
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Georgia Power Company
Plant Yates - AP-1

Analyte	Units	YGWA-5D 8/12/2025	YGWA-14S 8/12/2025	YGWA-17S 8/12/2025	YGWA-18I 8/12/2025	YGWA-18S 8/12/2025	YGWA-20S 8/12/2025	YGWA-21I 8/12/2025
Appendix III								
pH	SU	7.40	5.34	5.36	6.01	5.21	5.57	6.71
Boron	mg/L	0.012 J	0.021 J	0.012 J	< 0.0062	0.0063 J	< 0.0062	0.0091 J
Calcium	mg/L	27.2	1.2	3.1	4.7	0.76	2.6	6.9
Chloride	mg/L	3.4	4.7	12.4	7.7	7.0	3.1	2.2
Fluoride	mg/L	0.050 J	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.059 J
Sulfate	mg/L	5.0	7.0	3.9	0.80 J	0.98 J	< 0.50	4.4
Total Dissolved Solids	mg/L	159	60.0	92.0	95.0	54.0	68.0	120
Appendix IV								
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	0.00064 J
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.0073	0.0075	0.019	0.021	0.011	0.016	0.0078
Beryllium	mg/L	< 0.00015	0.00021 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0014 J	< 0.0012	< 0.0012
Cobalt	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.031
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Fluoride	mg/L	0.050 J	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.059 J
Lithium	mg/L	0.00438	< 0.000600	< 0.000600	0.00308	0.00179 J	< 0.000600	0.00681
Mercury	mg/L	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091	< 0.000091
Molybdenum	mg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Combined Radium - 226/228	pCi/L	3.43	0.548 U	0.446 U	0.881 U	0.521 U	0.754 U	1.72
Selenium	mg/L	< 0.0012	0.0014 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015

Notes:
Appendix III = Consituents for Detection Monitoring - 40 CFR Part 257 Appendix III

Appendix IV = Consituents for Assessment Monitoring - 40 CFR Part 257 Appendix IV

Acronyms and Abbreviations:
mg/L = milligrams per liter

pCi/L = picoCuries per liter

< = Analyte was not detected above the laboratory method detection limit (MDL)

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

U = the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualifited by the laboratory as estimated.

Table 6b
Upgradient Groundwater Analytical Data
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Georgia Power Company
Plant Yates - AP-1

Analyte	Units	YGWA-30I 8/12/2025	YGWA-39 8/12/2025	YGWA-40 8/12/2025	YGWA-47 8/12/2025
Appendix III					
pH	SU	5.68	5.79	4.97	5.66
Boron	mg/L	< 0.0062	0.13	0.063	0.022 J
Calcium	mg/L	1.3	18.8	4.5	10.2
Chloride	mg/L	1.6	3.9	4.6	3.9
Fluoride	mg/L	< 0.050	< 0.050	< 0.050	< 0.050
Sulfate	mg/L	0.98 J	6.5	16.9	53.1
Total Dissolved Solids	mg/L	63.0	244	89.0	167
Appendix IV					
Antimony	mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Barium	mg/L	0.0072	0.031	0.029	0.036
Beryllium	mg/L	< 0.00015	< 0.00015	0.00018 J	< 0.00015
Cadmium	mg/L	< 0.00012	< 0.00012	< 0.00012	< 0.00012
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Cobalt	mg/L	0.0024 J	< 0.0012	< 0.0012	< 0.0012
Lead	mg/L	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Fluoride	mg/L	< 0.050	< 0.050	< 0.050	< 0.050
Lithium	mg/L	0.00127 J	0.00534	0.000801 J	0.00400
Mercury	mg/L	< 0.000091	< 0.000091	0.00035	< 0.000091
Molybdenum	mg/L	< 0.0025	0.0070 J	< 0.0025	< 0.0025
Combined Radium - 226/228	pCi/L	0.125 U	1.33 U	0.483 U	1.28 U
Selenium	mg/L	< 0.0012	< 0.0012	< 0.0012	< 0.0012
Thallium	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015

Notes:
Appendix III = Consituents for Detection Monitoring - 40 CFR Part 257 Appendix III

Appendix IV = Consituents for Assessment Monitoring - 40 CFR Part 257 Appendix IV

Acronyms and Abbreviations:
mg/L = milligrams per liter

pCi/L = picoCuries per liter

< = Analyte was not detected above the laboratory method detection limit (MDL)

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

U = the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualifited by the laboratory as estimated.

Table 7
Background Levels and Groundwater Protection Standards
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Georgia Power Company
Plant Yates - AP-1

Constituent	Units	Background [1]	GWPS
August 2025			
Antimony	mg/L	0.0047	0.006
Arsenic	mg/L	0.005	0.01
Barium	mg/L	0.21	2.0
Beryllium	mg/L	0.0011	0.004
Cadmium	mg/L	0.00063	0.005
Chromium	mg/L	0.0093	0.100
Cobalt	mg/L	0.035	0.035 [2]
Fluoride	mg/L	0.68	4.0
Lead	mg/L	0.0013	0.015
Lithium	mg/L	0.03	0.04
Mercury	mg/L	0.00064	0.002
Molybdenum	mg/L	0.030	0.100
Selenium	mg/L	0.005	0.05
Thallium	mg/L	0.001	0.002
Combined Radium - 226/228	pCi/L	6.92	6.92 [2]

Notes:

1. Site background: Tolerance limits calculated from pooled upgradient well data.

2. Background concentration is higher than the federally promulgated value (0.006 mg/L for Cobalt). Background is higher than radium MCL (5 mg/L). Therefore, background is the GWPS.

Acronyms and Abbreviations:

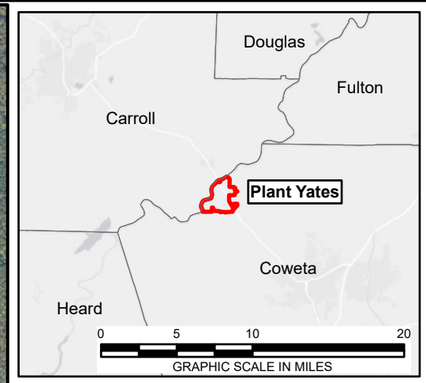
GWPS = Groundwater Protection Standard per 40 CFR §257.95(h).

mg/L = millgrams per liter

pCi/L = picocuries per liter

Figures





LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- PERMITTED UNIT BOUNDARY

NOTE:
AERIAL IMAGE SOURCES: JUNE 24, 2025 IMAGERY FLOWN AND PROCESSED BY SAM LLC; NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP) 2025 IMAGERY.

0 650 1,300 2,600
GRAPHIC SCALE IN FEET

COORDINATE SYSTEM: NAD 1983 STATEPLANE GEORGIA WEST FIPS 1002 FEET

Georgia Power

PLANT YATES AP-1
NEWNAN, GA
2025 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

SITE LOCATION MAP

ARCADIS

FIGURE
1

84°54'55"W 84°54'50"W 84°54'45"W 84°54'40"W 84°54'35"W 84°54'30"W 84°54'25"W 84°54'20"W 84°54'15"W 84°54'10"W 84°54'5"W 84°54'0"W 84°53'55"W 84°53'50"W 84°53'45"W 84°53'40"W 84°53'35"W 84°53'30"W 84°53'25"W 84°53'20"W 84°53'15"W 84°53'10"W 84°53'5"W 84°53'0"W 84°52'55"W 84°52'50"W 84°52'45"W

33°28'10"N
33°28'5"N
33°28'0"N
33°27'55"N
33°27'50"N
33°27'45"N
33°27'40"N
33°27'35"N
33°27'30"N
33°27'25"N
33°27'20"N
33°27'15"N
33°27'10"N
33°27'5"N
33°27'0"N
33°26'55"N
33°26'50"N
33°26'45"N

YGWA-47
YGWC-52
PZ-09S
PZ-09I
YGWC-44
YGWC-45
FORMER ASH POND 1
PZ-53
YGWC-46A
PZ-10I
PZ-10S
YGWA-6I
PZ-06D
YGWA-6S
PZ-48
YGWC-26S
YGWC-26I
AP-2 WEST
YGWC-27S
YGWC-27I
ASH POND 2
FORMER ASH POND A
YGWC-49
YGWC-28S
YGWC-28I
YGWC-29IB
PZ-24IB
YGWC-24SB
PZ-25I
PZ-25S
YAMW-1
YGWC-36A
PZ-35
AP-2 AMAX COVE
YGWA-30I
PZ-31S
ASH POND B
AMA - PERIMETER ROAD
YGWC-50
ASH POND B'
PZ-13S
PZ-13I
YGWA-14S
PZ-14I
PZ-51
YGWC-43
YGWA-17S
R6 ASH DISPOSAL AREA
PZ-55
YGWA-18S
YGWA-18I
YAMW-3
PZ-54D
YGWA-1I
PZ-01S
YGWA-1D
PZ-56D
YAMW-2
YGWC-42
ASH POND 3
YAMW-4
EAST COVE
YGWC-41
PZ-52D
PZ-37
PZ-53D
PZ-37D
YGWC-23S
PZ-03S
YGWA-3I
YGWA-3D
YGWA-2I
YGWC-38
YAMW-5
ASH MANAGEMENT AREA
YGWA-40
YGWA-39
YGWA-21I
YGWA-20S
SOUTH COVE
PZ-04S
YGWA-4I
YGWA-5I
PZ-05S
YGWA-5D

LEGEND

- SAPROLITE DETECTION MONITORING WELL LOCATION
- TRANSITION DETECTION MONITORING WELL LOCATION
- BEDROCK DETECTION MONITORING WELL LOCATION
- SAPROLITE ASSESSMENT WELL/PIEZOMETER
- TRANSITION ASSESSMENT WELL/PIEZOMETER
- BEDROCK ASSESSMENT WELL/PIEZOMETER
- PERMITTED UNIT BOUNDARY
- AREA WHERE ASH HAS BEEN CERTIFIED REMOVED AS OF 2/28/2024 FOR GYPSUM LANDFILL AND AP-1; 1/31/2024 FOR AP-2 AND AMA-R6

NOTE:
AERIAL IMAGE SOURCES: JUNE 24, 2025 IMAGERY FLOWN AND PROCESSED BY SAM LLC; NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP) 2025 IMAGERY.

0 450 900 1,800
GRAPHIC SCALE IN FEET

COORDINATE SYSTEM: NAD 1983 STATEPLANE GEORGIA WEST FIPS 1002 FEET

Georgia Power
PLANT YATES AP-1
NEWNAN, GA
2025 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

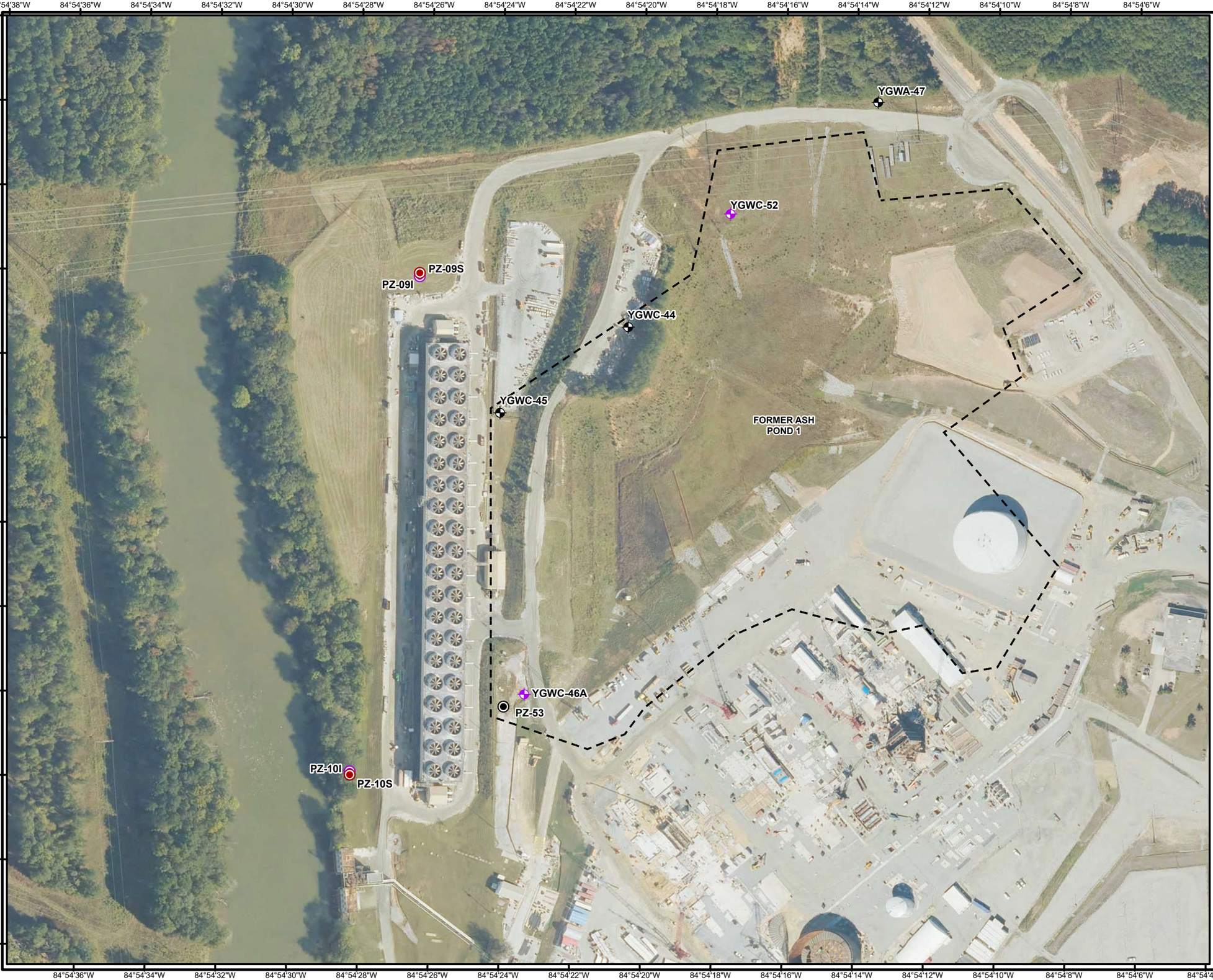
PLANT YATES CCR REMOVAL AREAS

ARCADIS

FIGURE
2

84°54'38"W 84°54'36"W 84°54'34"W 84°54'32"W 84°54'30"W 84°54'28"W 84°54'26"W 84°54'24"W 84°54'22"W 84°54'20"W 84°54'18"W 84°54'16"W 84°54'14"W 84°54'12"W 84°54'10"W 84°54'8"W 84°54'6"W

33°28'8"N
33°28'6"N
33°28'4"N
33°28'2"N
33°28'0"N
33°27'58"N
33°27'56"N
33°27'54"N
33°27'52"N
33°27'50"N
33°27'48"N
33°27'46"N



84°54'36"W 84°54'34"W 84°54'32"W 84°54'30"W 84°54'28"W 84°54'26"W 84°54'24"W 84°54'22"W 84°54'20"W 84°54'18"W 84°54'16"W 84°54'14"W 84°54'12"W 84°54'10"W 84°54'8"W 84°54'6"W 84°54'4"W

LEGEND

- TRANSITION DETECTION MONITORING WELL LOCATION
- BEDROCK DETECTION MONITORING WELL LOCATION
- SAPROLITE ASSESSMENT WELL/ PIEZOMETER
- TRANSITION ASSESSMENT WELL/ PIEZOMETER
- BEDROCK ASSESSMENT WELL/ PIEZOMETER
- PERMITTED UNIT BOUNDARY

NOTE:
AERIAL IMAGE SOURCES: NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP) 2025 IMAGERY.

0 112.5 225 450
GRAPHIC SCALE IN FEET

COORDINATE SYSTEM: NAD 1983 STATEPLANE GEORGIA WEST FIPS 1002 FEET

Georgia Power
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NEWNAN, GA
2025 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

WELL LOCATION MAP

ARCADIS

FIGURE
3

84°54'46"W 84°54'39"W 84°54'32"W 84°54'25"W 84°54'18"W 84°54'11"W 84°54'4"W 84°53'57"W 84°53'50"W 84°53'43"W 84°53'36"W 84°53'29"W 84°53'22"W 84°53'15"W 84°53'8"W 84°53'1"W 84°52'54"W 84°52'47"W 84°52'40"W

33°28'5"N 33°28'0"N 33°27'55"N 33°27'50"N 33°27'45"N 33°27'40"N 33°27'35"N 33°27'30"N 33°27'25"N 33°27'20"N 33°27'15"N 33°27'10"N 33°27'5"N 33°27'0"N 33°26'55"N 33°26'50"N 33°26'45"N 33°26'40"N

YGWA-47 724.49
YGWC-52 718.44
PZ-09I 629.80
PZ-09S 693.02
YGWC-44 708.52
YGWC-45 696.66
FORMER ASH POND 1
PZ-53 693.74
YGWC-46A 693.77
PZ-10I 686.88
PZ-10S 692.42
YGWA-6S 761.96
PZ-06D 758.77
YGWA-6I 761.89
PZ-48 758.41
YGWC-26S 690.63
YGWC-26I 689.17
YGWC-27S 686.36
YGWC-27I 685.79
YGWC-28I 689.26
YGWC-28S 690.06
YGWC-29IB 685.53
YGWC-49 751.35
YGWC-24SB 740.46
FORMER ASH POND A
PZ-24IB 740.07
PZ-25I 726.28
PZ-25S 729.18
PZ-35 734.00
YAMW-1 734.07
ASH POND 2
YGWC-36A 731.60
ASH POND B
YGWA-30I 721.96
PZ-31S 720.74
YGWC-50 724.36
PZ-13S 771.81
PZ-13I 768.97
YGWA-14S 732.99
PZ-14I 732.12
PZ-51 737.62
YGWC-43 728.68
ASH POND B'
YGWA-17S 768.96
PZ-55 747.90
PZ-54D 748.20
R6 ASH DISPOSAL AREA
PZ-56D 753.63
YAMW-3 760.21
YGWA-18S 769.04
YGWA-18I 765.70
PZ-01S 804.68
YGWA-1I 799.46
YGWA-1D 787.87
YGWC-42 769.31
YAMW-2 758.82
PZ-37 751.46
PZ-37D 758.73
PZ-52D 757.45
PZ-53D 758.83
YGWC-23S 749.61
ASH POND 3
YGWA-3I 744.21
PZ-03S 757.57
YGWA-3D 744.24
YAMW-4 773.42
YGWC-41 775.50
YAMW-5 774.10
YGWC-38 770.93
YGWA-2I 821.45
YGWA-40 789.91
YGWA-39 797.04
ASH MANAGEMENT AREA
YGWA-21I 751.08
YGWA-20S 755.06
YGWA-4I 760.58
PZ-04S 759.21
PZ-05S 764.92
YGWA-5I 764.79
YGWA-5D 764.13

700 710 720 730 740 750 760 770 780 790 800 810 820

LEGEND

- SAPROLITE NETWORK MONITORING WELL LOCATION
- TRANSITION NETWORK MONITORING WELL LOCATION
- BEDROCK NETWORK MONITORING WELL LOCATION
- SAPROLITE NON-NETWORK WELL/ PIEZOMETER
- TRANSITION NON-NETWORK WELL/ PIEZOMETER
- BEDROCK NON-NETWORK WELL/ PIEZOMETER
- PERMITTED UNIT BOUNDARY
- APPROXIMATE POTENTIOMETRIC CONTOUR (FEET) DASHED WHERE INFERRED
- FLOW LINE
- **757.11** GROUNDWATER ELEVATION (FEET)

GEORGIA REGISTERED No. PE027801 PROFESSIONAL JON ENGINEER

NOTES:

1. SHALLOW GROUNDWATER CONDITIONS ARE DERIVED FROM SOIL COMPRISED OF SAPROLITE, RANGING FROM 15 - 60 FEET BELOW GROUND SURFACE.

2. BEDROCK WELLS YGWA-40, YGWA-39, YGWC-38, YGWC-41, YGWC-42 USED FOR CONTOURING. ALL OTHER BEDROCK WELLS NOT USED TO CREATE CONTOURS.

3. SAPROLITE WELL GROUNDWATER ELEVATIONS WERE USED FOR CONTOURING FOR SAPROLITE/TRANSITION ZONE/BEDROCK WELL CLUSTER LOCATIONS.

4. AERIAL IMAGE SOURCES: JUNE 24, 2025 IMAGERY FLOWN AND PROCESSED BY SAM LLC; NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP) 2025 IMAGERY.

5. ELEVATION IS PRESENTED IN U.S. SURVEY FEET (NAVD 1988).

6. GROUNDWATER ELEVATIONS COLLECTED ON AUGUST 11, 2025.

0 450 900 1,800
GRAPHIC SCALE IN FEET

COORDINATE SYSTEM: NAD 1983 STATEPLANE GEORGIA WEST FIPS 1002 FEET

Georgia Power

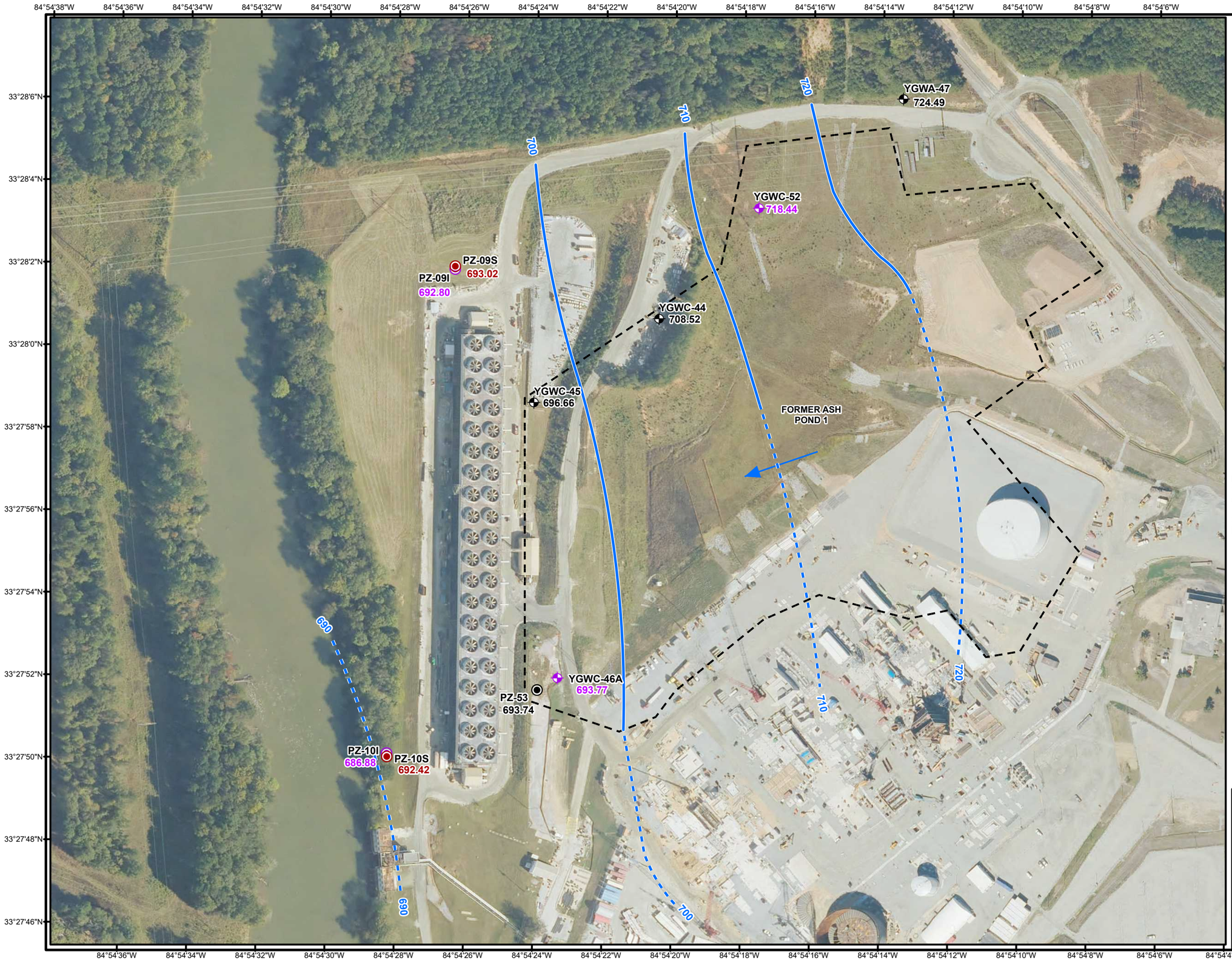
PLANT YATES AP-1
NEWNAN, GA

2025 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

SITEWIDE GROUNDWATER ELEVATION MAP AUGUST 2025

ARCADIS

FIGURE **4**



LEGEND

- TRANSITION DETECTION MONITORING WELL LOCATION
- BEDROCK DETECTION MONITORING WELL LOCATION
- SAPROLITE ASSESSMENT WELL/ PIEZOMETER
- TRANSITION ASSESSMENT WELL/ PIEZOMETER
- BEDROCK ASSESSMENT WELL/ PIEZOMETER
- PERMITTED UNIT BOUNDARY
- APPROXIMATE POTENTIOMETRIC CONTOUR (FEET) DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION
- **708.94** GROUNDWATER ELEVATION (FEET)

GEORGIA REGISTERED No. PE027801 PROFESSIONAL ENGINEER JOHN C. GEOFFREY

NOTES:
1. ELEVATION IS PRESENTED IN U.S. SURVEY FEET (NAVD 1988).

2. AERIAL IMAGE SOURCES: NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP) 2025 IMAGERY.

0 112.5 225 450

GRAPHIC SCALE IN FEET

COORDINATE SYSTEM: NAD 1983 STATEPLANE GEORGIA WEST FIPS 1002 FEET

Georgia Power

PLANT YATES AP-1
NEWNAN, GA
2025 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

GROUNDWATER ELEVATION MAP, AUGUST 2025

ARCADIS

FIGURE
5

Appendix A

Laboratory Analytical and Data Validation Reports

Georgia Power Co. – Plant Yates

Data Review Report

Metals, General Chemistry, and Radium Analyses

SDGs #92812850 and 92812851

Analyses Performed By:
Pace Analytical Services – West Columbia, South Carolina
Pace Analytical Services – Asheville, North Carolina
Pace National – Mt. Juliet, Tennessee
Pace Analytical Services – Greensburg, Pennsylvania

Report #61166R
Review Level: Tier II
Project: 30143607.3D

Summary

This Data Review Report summarizes the review of Sample Delivery Groups (SDGs) #92812850 and 92812851 for samples collected in association with the Georgia Power Company – Plant Yates. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the chain of custody form and a table summarizing the data validation qualifiers. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
					RAD	MET	GEN CHEM
YAT-YGWC-52	92812850001 92812851001	Water	8/12/2025		X	X	X
YAT-YGWC-44	92812850002 92812851002	Water	8/12/2025		X	X	X
YAT-AP1-EB-1	92812850003 92812851003	Water	8/12/2025		X	X	X
YAT-AP1-FB-1	92812850004 92812851004	Water	8/12/2025		X	X	X
YAT-YGWC-45	92812850005 92812851005	Water	8/13/2025		X	X	X
YAT-YGWC-46A	92812850006 92812851006	Water	8/13/2025		X	X	X
YAT-AP1-FD-1	92812850007 92812851007	Water	8/13/2025	YAT-YGWC-46A	X	X	X

Notes:

1. Metals analysis performed by Pace Analytical Services – West Columbia, South Carolina.
2. Mercury, total dissolved solids, and anions (chloride, fluoride, and sulfate) analysis performed by Pace Analytical Services – Asheville, North Carolina.
3. Lithium analysis performed by Pace National – Mt. Juliet, Tennessee.
4. Radium analysis performed by Pace Analytical Services – Greensburg, Pennsylvania.

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

Inorganic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 6020B, 7470A, 9315, and 9320; Standard Method (SM) 2540C; and USEPA Method 300.0. Data were reviewed in accordance with USEPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma–Atomic Emission Spectroscopy and Inductively Coupled Plasma–Mass Spectroscopy (September 2011, Rev. 2), USEPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program Mercury Data by Cold Vapor Atomic Absorption (September 2011, Rev. 2), and the USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA 542-R-20-006, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, OSWER 9240.1-45, October 2004, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the “R” flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. “R” values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Metals Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020B	Water	180 days from collection to analysis	Cool to <6°C; preserved to a pH of less than 2 s.u.
SW-846 7470A	Water	28 days from collection to analysis	Cool to <6°C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Matrix Spike/Matrix Spike Duplicate (MS/MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

3.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater.

The MS/MSD analysis performed using sample YAT-YGWC-45 in association with lithium by method SW-846 6020B analysis exhibited recoveries within the control limits.

MS/MSD analysis was not performed using a sample from this SDG in association with the SW-846 6020B and SW-846 7470A analysis.

3.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one times the RL is applied for water matrices.

MS/MSD analysis was performed in replacement of the laboratory duplicate analysis in association with lithium by SW-846 6020B. The MS/MSD recoveries exhibited acceptable RPD.

Laboratory duplicate analysis was not performed using a sample from this SDG in association with the SW-846 6020B and SW-846 7470A analysis.

4. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 35% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
YAT-YGWC-46A / YAT-AP1-FD-1	Lithium	0.0151	0.0151	0.0%
	Barium	0.043	0.043	0.0%
	Boron	2.8	2.8	0.0%
	Calcium	130	122	6.3%
	Molybdenum	0.0027 J	0.0028 J	AC

Note:
AC = Acceptable

The differences in the results between the parent sample YAT-YGWC-46A and field duplicate sample YAT-AP1-FD-1 were acceptable.

5. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

6. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Metals

METALS: SW-846 6020B/7470A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) Atomic Absorption – Manual Cold Vapor (CV)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method Blanks		X		X	
B. Equipment/Field Blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Laboratory Duplicate (RPD)	X				X
Field Duplicate (RPD)		X		X	

Notes:

%R Percent recovery

RPD Relative percent difference

General Chemistry Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Total Dissolved Solids (TDS) by SM2540C	Water	7 days from collection to analysis	Cool to <6°C
Chloride, Fluoride, and Sulfate by USEPA 300.0	Water	28 days from collection to analysis	Cool to <6°C

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Matrix Spike/Matrix Spike Duplicate (MS/MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

3.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS/MSD analysis performed using sample YAT-YGWC-44 in association with anions analysis exhibited recoveries within the control limits.

3.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one times the RL is applied for water matrices.

MS/MSD analysis was performed using sample YAT-YGWC-44 in replacement of the laboratory duplicate analysis in association with anions. The MS/MSD recoveries exhibited acceptable RPDs.

Laboratory duplicate analysis was not performed using a sample from this SDG in association with TDS analysis.

4. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 35% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
YAT-YGWC-46A / YAT-AP1-FD-1	Total Dissolved Solids	1,010	994	1.6%
	Chloride	35.6	35.5	0.3%
	Fluoride	0.11	0.12	AC
	Sulfate	455	462	1.5%

Note:
AC = Acceptable

The differences in the results between the parent sample YAT-YGWC-46A and field duplicate sample YAT-AP1-FD-1 were acceptable.

5. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

6. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for General Chemistry

General Chemistry: SM2540C, USEPA 300.0	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method Blanks		X		X	
B. Equipment/Field Blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Laboratory Duplicate (RPD)	X				X
Field Duplicate (RPD)		X		X	

Notes:

%R Percent recovery

RPD Relative percent difference

Radiological Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Radium-226 by SW-846 9315	Water	180 days from collection to analysis	Preserved to a pH of less than 2 s.u.
Radium-228 by SW-846 9320	Water	180 days from collection to analysis	Preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and field/rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field/rinse blanks measure contamination of samples during field operations.

Blank results should be verified to be accurately reported and that tolerance limits (±2 sigma or standard deviation) were not exceeded; and blank results verified to be less than the minimum detectable concentration (MDC).

For blanks to be considered not applicable, verify net blank results are less than the associated uncertainty by evaluating the blank results based on the following three criteria. If either of these criteria is true, the blank is considered not suspect of contamination (or non-detect).

1. Is the blank result less than the uncertainty and less than the MDC?
2. Does the blank have an uncertainty greater than the result (or indistinguishable from background) or does the blank result fall between its uncertainty and its MDC?

If the blank QC results fall outside the appropriate tolerance limits or if the net blank results are not less than the associated uncertainty, the following equation for normalized absolute difference (NAD) should be used in determining the effect of possible blank contamination on the sample results:

$$Normalized\ \ absolute\ difference_{\ MethodBlank} = \frac{|\ Sample\ -\ Blank\ |}{\sqrt{(U_{Sample}\ )^2 + (U_{Blank}\ )^2}}$$

Where:

U_{Sample} = uncertainty of the sample

U_{Blank} = uncertainty of the blank

Sample = concentration of isotope in sample

Blank = concentration of isotope in blank

Normalized Absolute Difference	Qualification
> 2.58	None
1.96 > x < 2.58	J
x < 1.96	J*

Note:
* = Minimally the result should be qualified as estimated, J; however, if other quality indicators are deficient the validator may determine the result should be qualified as rejected, R

Radium-226 and Radium-228 were detected in the method blanks, however, the activity was measured as less than the uncertainty and MDC. Hence, the blank results are considered non-detect and no qualification of the results was required.

3. Matrix Spike (MS)/Laboratory Duplicate Analysis

MS and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

3.1 MS Analysis

MS samples are not typically analyzed for gamma spectral content due to the inability of the laboratory to homogenize spike material with the sample.

If performed, the spike analysis must exhibit a percent recovery within the control limits of 70% to 130%. The MS recovery control limits do not apply for MS performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits.

In the event the recovery is outside of this limit, a numerical indicator to make assessments is calculated, with a limit of < ±3 sigma for either.

The numerical performance indicator for a matrix spike sample is calculated by:

$$Z_{MS} = \frac{x - x_0 - c}{\sqrt{u^2(x) + u^2(x_0) + u^2(c)}}$$

Where:

x = measured concentration of the spiked sample.

x_0 = measured concentration of the unspiked sample.

c = spike concentration added.

$u^2(x)$, $u^2(x0)$, $u^2(c)$ = the squares of the respective standard uncertainties of these values.

MS performance for all matrices is acceptable when the numerical performance indicator calculation yields a value between ±3 sigma. Warning limits have been established as ±2 sigma.

MS analysis was not performed using a sample from this SDG.

3.2 Laboratory Duplicate Analysis

Duplicate analyses are indicators of laboratory precision based on each sample matrix. For replicate analysis results to be considered in agreement the duplicate error ratio (DER) must be less than 2.13. In the event the DER is outside of the limit of 2.13, a numerical indicator to make assessments is calculated, with a limit of ±3 sigma or standard deviation.

The numerical performance indicator for laboratory duplicates is calculated by:

$$Z_{Dup} = \frac{x_1 - x_2}{\sqrt{u^2(x_1) + u^2(x_2)}}$$

Where:

x_1, x_2 = two measured activity concentrations.

$u^2(x_1)$, $u^2(x_2)$ = the combined standard uncertainty of each measurement squared.

Duplicate sample performance is acceptable when the numerical performance indicator calculation yields a value between ±3 sigma. Warning limits have been established as ±2 sigma.

Laboratory duplicate analysis was not performed using a sample from this SDG.

4. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. There are no specific review criteria for radiological field replicate analyses comparability. The degree of agreement between these replicates is to be used in conjunction with all of the remaining quality control results as an aid in the decision as to the overall quality of the data. Data are not to be qualified due to field replicates alone. To determine the level of agreement between the replicates, the following guidelines have been established:

Data should be considered in agreement if results are within a factor of four of each other. Data between a factor of four and five of each other should be considered as a minor discrepancy and data greater than a factor of five should be considered a major discrepancy.

The field duplicate sample results are summarized in the following table.

Sample ID/Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
YAT-YGWC-46A / YAT-AP1-FD-1	Radium-226	1.04 ± 0.380	0.709 ± 0.322	AC
	Radium-228	1.17 ± 0.621	2.12 ± 0.738	
	Total Radium	2.21 ± 1.00	2.83 ± 1.06	

Note:
AC = Acceptable

The differences in the results between the parent sample YAT-YGWC-46A and field duplicate sample YAT-AP1-FD-1 were acceptable.

5. Tracer or Carrier

Tracers and carriers are used in radiological separation methods to provide evaluation of chemical separation. Chemical yield is evaluated through the recovery of chemical species spiked into samples. Yield is evaluated radiometrically with a tracer and gravimetrically with a carrier. A control limit of 30% to 110% is applied to each sample spiked with either a carrier and/or a tracer.

The tracer and carrier analyses exhibited recoveries within the control limits.

6. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS/LCSD analysis must exhibit a percent recovery between the control limits of 60% to 135%. In the event the recovery is outside of this limit, a numerical indicator to make assessments is calculated, with a limit of +/- 3 sigma.

The numerical performance indicator for a laboratory control sample is calculated by:

$$Z_{LCS} = \frac{x - c}{\sqrt{u^2(x) + u^2(c)}}$$

Where:

x = Analytical result of the LCS

c = Known concentration of the LCS

$u^2(x)$ = combined standard uncertainty of the result squared.

$u^2(c)$ = combined standard uncertainty of the LCS value squared.

LCS performance is acceptable when the numerical performance indicator calculation yields a value between ±3 sigma. Warning limits have been established as ±2 sigma.

The LCS/LCSD analysis exhibited recoveries within the control limits.

7. Isotope Identification

For sample results to be considered “non-detect”, evaluate data based on the following two criteria. If either one of these criteria is true, the sample result is considered “non-detect”.

1. Sample result is less than the uncertainty and less than the MDC/MDA; or
2. Sample has an uncertainty greater than the result (or indistinguishable from background) or result falls between its uncertainty and its MDC/MDA.

Based on the above criteria sample results were qualified as “U” by the laboratory as applicable.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Radiologicals

Radiologicals: SW-846 9315/9320	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding Times		X		X	
Activity, +/- uncertainty, MDC/MDA		X		X	
Blanks					
A. Method Blanks		X		X	
B. Equipment/Field Blanks		X		X	
Carrier (Surrogate) %R		X		X	
Tracer (Surrogate) %R		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Laboratory Duplicate (RPD)	X				X
Field Duplicate (RPD)		X		X	

Notes:

%R Percent recovery

RPD Relative percent difference

VALIDATION PERFORMED BY: Jennifer Singer

SIGNATURE: 

DATE: October 3, 2025

PEER REVIEW: Dennis Capria

DATE: October 9, 2025

Chain of Custody / Data Qualifier Summary Table

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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

9281285

Scan QR Code for instructions

Company Name:	Southern Company	Contact/Report To:	Trey Singleton
Street Address:	241 Ralph McGill Blvd, Atlanta, GA 30308	Phone #:	205.346.3317
		E-Mail:	rosingle@southernco.com
		Cc E-Mail:	Arcadis contacts
Customer Project #	Task No. YAT-CCR-ASSMT-2025S2	Invoice To	
Project Name:	Georgia Power Yates	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable): YAT AP-1		Purchase Order # (if applicable):	GPC82474-0002
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[X] Level II [ ] Level III [ ] Level IV
[X] EQUIS
[ ] Other:

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other:

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [X] 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), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Specify Container Size **: 3 3 2 1
Identify Container Preservative Type***: 2 1 1 2
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 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	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	App III/IV Metals	Cl, F, SO4 (EPA 300.0)	TDS (SM 2540C)	RAD SW846 9315/9320	Sample Comment	Preservation non-conformance identified for sample.
YAT-YGWC-52	WG	G	8/12/25	1430				6		X	X	X	X	See Remarks 001	
YAT-YGWC-44	WG	G	8/12/25	1635				6		X	X	X	X	See Remarks 002	
YAT-YGWC-45	WG	G						6		X	X	X	X	See Remarks	
YAT-YGWC-46A	WG	G						6		X	X	X	X	See Remarks	
YAT-AP1-FD-1	WG	G						6		X	X	X	X	See Remarks	
YAT-AP1-EB-1	WG	G	8/12/25	1745				6		X	X	X	X	See Remarks 003	
YAT-AP1-FB-1	WG	G	8/12/25	1300				6		X	X	X	X	See Remarks 004	

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16561
Prelog / Bottle Ord. ID:

Customer Remarks / Special Conditions / Possible Hazards:
App III Metals: 6020B: B, Ca
App IV: Metals 6020B: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl; 7470A: Hg

Collected By:
Printed Name: (Arcadis) - Perry Studebaker
Signature: (Arcadis) -

Additional Instructions from Pace®:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C) Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Arcadis	8/13/25 1000		8/13 1000
	8/13/25 1245		8/13/25 1245

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: of

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/

Pace* Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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

92812850

Scan QR Code for instructions

Company Name:	Southern Company	Contact/Report To:	Trey Singleton
Street Address:	241 Ralph McGill Blvd, Atlanta, GA 30308	Phone #:	205.346.3317
		E-Mail:	rosingle@southernco.com
		Cc E-Mail:	Arcadis contacts
Customer Project #:	Task No. YAT-CCR-ASSMT-2025S2	Invoice To:	
Project Name:	Georgia Power Yates	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable): YAT AP-1		Purchase Order # (if applicable):	GPC8247 4-0002
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [X] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [X] No

Analysis:

Specify Container Size **: 3 3 2 1

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 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

* 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), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16561; Prelog / Bottle Ord. ID:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	App III/IV Metals	Cl, F, SO4 (EPA 300.0)	TDS (SM 2540C)	RAD SW846 9315/8320	Sample Comment	Preservation non-conformance identified for sample
YAT-YGWC-52	WG	G						6		X	X	X	X	See Remarks	
YAT-YGWC-44	WG	G						6		X	X	X	X	See Remarks	
YAT-YGWC-45	WG	G	8/13/25	0930				6		X	X	X	X	See Remarks	
YAT-YGWC-46A	WG	G	8/13/25	1115				6		X	X	X	X	See Remarks 005	
YAT-AP1-FD-1	WG	G	8/13/25					6		X	X	X	X	See Remarks 006	
YAT-AP1-EB-1	WG	G						6		X	X	X	X	See Remarks 007	
YAT-AP1-FB-1	WG	G						6		X	X	X	X	See Remarks	

Customer Remarks / Special Conditions / Possible Hazards:
App III Metals: 6020B: B, Ca
App IV: Metals 6020B: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl; 7470A: Hg

Collected By:
Printed Name: (Arcadis) - Perry Studebaker
Signature: (Arcadis) - Perry Studebaker

Additional Instructions from Pace®:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Perry Studebaker / Arcadis	8/14/25 0730	Lyon Williams / Arcadis	8/14/25 0730
Lyon Williams / Arcadis	8/14/25 0918	Lyon Williams / Pace	8/14/25 0918
Lyon Williams / Pace	8/14/25 1505	Chuck Hanks	8/14/25 1505
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

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ENV-FRM-CORQ-0019_v01_082123 ©

SDG	Sample ID	Method	Analyte	Result	Units	Validation Qualifier	Reason for Validation Qualifier
92812850	No qualifiers assigned						
92812851	No qualifiers assigned						

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 16, 2025

Trey Singleton
Southern Company
241 Ralp McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: YAT- AP-1
Pace Project No.: 92812850

Dear Trey Singleton:

Enclosed are the analytical results for sample(s) received by the laboratory between August 13, 2025 and August 14, 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 National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Bonnie Vang

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Geoffrey Gay, Arcadis-ATL
Laura Midkiff, Southern Company
Alex Simpson, Arcadis
Jessica Ware, Arcadis
Albert Zumbuhl, Arcadis

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: YAT- AP-1
Pace Project No.: 92812850

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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 West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: YAT- AP-1
Pace Project No.: 92812850

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92812850001	**YAT-YGWC-52**	Water	08/12/25 14:30	08/13/25 12:45
92812850002	**YAT-YGWC-44**	Water	08/12/25 16:35	08/13/25 12:45
92812850003	**YAT-AP1-EB-1**	Water	08/12/25 17:45	08/13/25 12:45
92812850004	**YAT-AP1-FB-1**	Water	08/12/25 13:00	08/13/25 12:45
92812850005	**YAT-YGWC-45**	Water	08/13/25 09:30	08/14/25 15:05
92812850006	**YAT-YGWC-46A**	Water	08/13/25 11:15	08/14/25 15:05
92812850007	**YAT-AP1-FD-1**	Water	08/13/25 00:00	08/14/25 15:05

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: YAT- AP-1
Pace Project No.: 92812850

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92812850001	**YAT-YGWC-52**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	MDW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812850002	**YAT-YGWC-44**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	MDW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW, JJM1	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812850003	**YAT-AP1-EB-1**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	MDW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812850004	**YAT-AP1-FB-1**	EPA 6020B	LD	1	PAN
		SM 2540C-2020	MDW	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6020B	BW	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812850005	**YAT-YGWC-45**	EPA 6020B	JDB	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812850006	**YAT-YGWC-46A**	EPA 6020B	JDB	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC
92812850007	**YAT-AP1-FD-1**	EPA 6020B	JDB	1	PAN
		SM 2540C-2020	CDM	1	PASI-A
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6020B	BW, CBP	13	PASI-WC
		EPA 7470A	KAJ1	1	PASI-WC

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville

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SAMPLE ANALYTE COUNT

Project: YAT- AP-1
Pace Project No.: 92812850

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PASI-WC = Pace Analytical Services - West Columbia

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SUMMARY OF DETECTION

Project: YAT- AP-1
Pace Project No.: 92812850

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92812850001	**YAT-YGWC-52**					
EPA 6020B	Lithium	0.00353	mg/L	0.00200	09/11/25 23:02	
SM 2540C-2020	Total Dissolved Solids	220	mg/L	25.0	08/18/25 22:05	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	08/15/25 05:05	
EPA 300.0 Rev 2.1 1993	Sulfate	97.6	mg/L	1.0	08/15/25 05:05	
EPA 6020B	Barium	0.021	mg/L	0.0050	08/22/25 21:54	1g
EPA 6020B	Boron	0.0088J	mg/L	0.040	08/22/25 21:54	1g
EPA 6020B	Calcium	33.0	mg/L	0.40	08/21/25 21:44	1g
EPA 6020B	Cobalt	0.0013J	mg/L	0.0050	08/22/25 21:54	1g
92812850002	**YAT-YGWC-44**					
EPA 6020B	Lithium	0.0127	mg/L	0.00200	09/11/25 23:24	
SM 2540C-2020	Total Dissolved Solids	315	mg/L	25.0	08/18/25 22:05	
EPA 300.0 Rev 2.1 1993	Chloride	12.0	mg/L	1.0	08/15/25 05:48	
EPA 300.0 Rev 2.1 1993	Sulfate	120	mg/L	3.0	08/15/25 15:22	M1
EPA 6020B	Barium	0.065	mg/L	0.0050	08/22/25 22:19	1g
EPA 6020B	Boron	0.66	mg/L	0.20	08/23/25 11:31	1g
EPA 6020B	Calcium	27.9	mg/L	0.40	08/21/25 21:48	1g
EPA 6020B	Cobalt	0.0013J	mg/L	0.0050	08/22/25 22:19	1g
92812850005	**YAT-YGWC-45**					
EPA 6020B	Lithium	0.0142	mg/L	0.00200	09/11/25 03:05	
SM 2540C-2020	Total Dissolved Solids	457	mg/L	25.0	08/20/25 13:03	
EPA 300.0 Rev 2.1 1993	Chloride	7.5	mg/L	1.0	08/16/25 17:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/16/25 17:29	
EPA 300.0 Rev 2.1 1993	Sulfate	165	mg/L	4.0	08/17/25 05:29	
EPA 6020B	Barium	0.051	mg/L	0.0050	08/28/25 08:34	
EPA 6020B	Boron	0.39	mg/L	0.20	08/28/25 19:40	
EPA 6020B	Calcium	63.3	mg/L	2.0	09/02/25 16:02	
92812850006	**YAT-YGWC-46A**					
EPA 6020B	Lithium	0.0151	mg/L	0.00200	09/11/25 03:23	
SM 2540C-2020	Total Dissolved Solids	1010	mg/L	50.0	08/20/25 13:03	
EPA 300.0 Rev 2.1 1993	Chloride	35.6	mg/L	1.0	08/16/25 17:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/16/25 17:43	
EPA 300.0 Rev 2.1 1993	Sulfate	455	mg/L	11.0	08/17/25 05:43	
EPA 6020B	Barium	0.043	mg/L	0.0050	08/28/25 08:43	
EPA 6020B	Boron	2.8	mg/L	0.40	08/28/25 19:49	
EPA 6020B	Calcium	130	mg/L	4.0	09/02/25 16:09	
EPA 6020B	Molybdenum	0.0027J	mg/L	0.010	08/28/25 08:43	
92812850007	**YAT-AP1-FD-1**					
EPA 6020B	Lithium	0.0151	mg/L	0.00200	09/11/25 03:27	
SM 2540C-2020	Total Dissolved Solids	994	mg/L	50.0	08/20/25 13:03	
EPA 300.0 Rev 2.1 1993	Chloride	35.5	mg/L	1.0	08/16/25 17:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	08/16/25 17:58	
EPA 300.0 Rev 2.1 1993	Sulfate	462	mg/L	11.0	08/17/25 05:58	
EPA 6020B	Barium	0.043	mg/L	0.0050	08/28/25 08:51	
EPA 6020B	Boron	2.8	mg/L	0.40	08/28/25 19:58	
EPA 6020B	Calcium	122	mg/L	4.0	09/02/25 16:16	

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SUMMARY OF DETECTION

Project: YAT- AP-1
Pace Project No.: 92812850

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92812850007	**YAT-AP1-FD-1**					
EPA 6020B	Molybdenum	0.0028J	mg/L	0.010	08/28/25 08:51	

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ANALYTICAL RESULTS

Project: YAT- AP-1
Pace Project No.: 92812850

Sample: YAT-YGWC-52 **Lab ID: 92812850001** Collected: 08/12/25 14:30 Received: 08/13/25 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.00353**	mg/L	0.00200	0.000600	1	08/21/25 13:40	09/11/25 23:02	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**220**	mg/L	25.0	25.0	1		08/18/25 22:05		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**3.1**	mg/L	1.0	0.60	1		08/15/25 05:05	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/15/25 05:05	16984-48-8	
Sulfate	**97.6**	mg/L	1.0	0.50	1		08/15/25 05:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/19/25 10:22	08/22/25 21:54	7440-36-0	1g
Arsenic	ND	mg/L	0.0020	0.0012	1	08/19/25 10:22	08/22/25 21:54	7440-38-2	1g
Barium	**0.021**	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 21:54	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	08/19/25 10:22	08/22/25 21:54	7440-41-7	1g
Boron	**0.0088J**	mg/L	0.040	0.0062	1	08/19/25 10:22	08/22/25 21:54	7440-42-8	1g
Cadmium	ND	mg/L	0.00050	0.00012	1	08/19/25 10:22	08/22/25 21:54	7440-43-9	1g
Calcium	**33.0**	mg/L	0.40	0.10	1	08/19/25 10:22	08/21/25 21:44	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 21:54	7440-47-3	1g
Cobalt	**0.0013J**	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 21:54	7440-48-4	1g
Lead	ND	mg/L	0.0010	0.00025	1	08/19/25 10:22	08/22/25 21:54	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/19/25 10:22	08/22/25 21:54	7439-98-7	1g
Selenium	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 21:54	7782-49-2	1g
Thallium	ND	mg/L	0.00050	0.00015	1	08/19/25 10:22	08/22/25 21:54	7440-28-0	1g
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/19/25 18:33	7439-97-6	

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ANALYTICAL RESULTS

Project: YAT- AP-1
Pace Project No.: 92812850

Sample: YAT-YGWC-44 **Lab ID: 92812850002** Collected: 08/12/25 16:35 Received: 08/13/25 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0127**	mg/L	0.00200	0.000600	1	08/21/25 13:40	09/11/25 23:24	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**315**	mg/L	25.0	25.0	1		08/18/25 22:05		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**12.0**	mg/L	1.0	0.60	1		08/15/25 05:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/15/25 05:48	16984-48-8	
Sulfate	**120**	mg/L	3.0	1.5	3		08/15/25 15:22	14808-79-8	M1
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/19/25 10:22	08/22/25 22:19	7440-36-0	1g
Arsenic	ND	mg/L	0.0020	0.0012	1	08/19/25 10:22	08/22/25 22:19	7440-38-2	1g
Barium	**0.065**	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:19	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	08/19/25 10:22	08/22/25 22:19	7440-41-7	1g
Boron	**0.66**	mg/L	0.20	0.031	5	08/19/25 10:22	08/23/25 11:31	7440-42-8	1g
Cadmium	ND	mg/L	0.00050	0.00012	1	08/19/25 10:22	08/22/25 22:19	7440-43-9	1g
Calcium	**27.9**	mg/L	0.40	0.10	1	08/19/25 10:22	08/21/25 21:48	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:19	7440-47-3	1g
Cobalt	**0.0013J**	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:19	7440-48-4	1g
Lead	ND	mg/L	0.0010	0.00025	1	08/19/25 10:22	08/22/25 22:19	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/19/25 10:22	08/22/25 22:19	7439-98-7	1g
Selenium	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:19	7782-49-2	1g
Thallium	ND	mg/L	0.00050	0.00015	1	08/19/25 10:22	08/22/25 22:19	7440-28-0	1g
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/19/25 18:35	7439-97-6	

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ANALYTICAL RESULTS

Project: YAT- AP-1
Pace Project No.: 92812850

Sample: YAT-AP1-EB-1 **Lab ID: 92812850003** Collected: 08/12/25 17:45 Received: 08/13/25 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/21/25 13:40	09/11/25 23:27	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/18/25 22:05		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/15/25 00:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/15/25 00:02	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/15/25 00:02	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/19/25 10:22	08/22/25 22:28	7440-36-0	1g
Arsenic	ND	mg/L	0.0020	0.0012	1	08/19/25 10:22	08/22/25 22:28	7440-38-2	1g
Barium	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:28	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	08/19/25 10:22	08/22/25 22:28	7440-41-7	1g
Boron	ND	mg/L	0.040	0.0062	1	08/19/25 10:22	08/22/25 22:28	7440-42-8	1g
Cadmium	ND	mg/L	0.00050	0.00012	1	08/19/25 10:22	08/22/25 22:28	7440-43-9	1g
Calcium	ND	mg/L	0.40	0.10	1	08/19/25 10:22	08/22/25 22:28	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:28	7440-47-3	1g
Cobalt	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:28	7440-48-4	1g
Lead	ND	mg/L	0.0010	0.00025	1	08/19/25 10:22	08/22/25 22:28	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/19/25 10:22	08/22/25 22:28	7439-98-7	1g
Selenium	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:28	7782-49-2	1g
Thallium	ND	mg/L	0.00050	0.00015	1	08/19/25 10:22	08/22/25 22:28	7440-28-0	1g
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/19/25 18:38	7439-97-6	

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ANALYTICAL RESULTS

Project: YAT- AP-1
Pace Project No.: 92812850

Sample: YAT-AP1-FB-1 **Lab ID: 92812850004** Collected: 08/12/25 13:00 Received: 08/13/25 12:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	ND	mg/L	0.00200	0.000600	1	08/21/25 13:40	09/11/25 23:30	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/18/25 22:05		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/15/25 00:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/15/25 00:17	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/15/25 00:17	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/19/25 10:22	08/22/25 22:37	7440-36-0	1g
Arsenic	ND	mg/L	0.0020	0.0012	1	08/19/25 10:22	08/22/25 22:37	7440-38-2	1g
Barium	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:37	7440-39-3	1g
Beryllium	ND	mg/L	0.00040	0.00015	1	08/19/25 10:22	08/22/25 22:37	7440-41-7	1g
Boron	ND	mg/L	0.040	0.0062	1	08/19/25 10:22	08/22/25 22:37	7440-42-8	1g
Cadmium	ND	mg/L	0.00050	0.00012	1	08/19/25 10:22	08/22/25 22:37	7440-43-9	1g
Calcium	ND	mg/L	0.40	0.10	1	08/19/25 10:22	08/22/25 22:37	7440-70-2	1g
Chromium	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:37	7440-47-3	1g
Cobalt	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:37	7440-48-4	1g
Lead	ND	mg/L	0.0010	0.00025	1	08/19/25 10:22	08/22/25 22:37	7439-92-1	1g
Molybdenum	ND	mg/L	0.010	0.0025	1	08/19/25 10:22	08/22/25 22:37	7439-98-7	1g
Selenium	ND	mg/L	0.0050	0.0012	1	08/19/25 10:22	08/22/25 22:37	7782-49-2	1g
Thallium	ND	mg/L	0.00050	0.00015	1	08/19/25 10:22	08/22/25 22:37	7440-28-0	1g
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/16/25 14:06	08/19/25 18:40	7439-97-6	

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ANALYTICAL RESULTS

Project: YAT- AP-1
Pace Project No.: 92812850

Sample: YAT-YGWC-45 **Lab ID: 92812850005** Collected: 08/13/25 09:30 Received: 08/14/25 15:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0142**	mg/L	0.00200	0.000600	1	08/23/25 19:12	09/11/25 03:05	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**457**	mg/L	25.0	25.0	1		08/20/25 13:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**7.5**	mg/L	1.0	0.60	1		08/16/25 17:29	16887-00-6	
Fluoride	**0.11**	mg/L	0.10	0.050	1		08/16/25 17:29	16984-48-8	
Sulfate	**165**	mg/L	4.0	2.0	4		08/17/25 05:29	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/19/25 11:09	08/28/25 08:34	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/19/25 11:09	08/28/25 08:34	7440-38-2	
Barium	**0.051**	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:34	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/19/25 11:09	08/28/25 08:34	7440-41-7	
Boron	**0.39**	mg/L	0.20	0.031	5	08/19/25 11:09	08/28/25 19:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/19/25 11:09	08/28/25 08:34	7440-43-9	
Calcium	**63.3**	mg/L	2.0	0.50	5	08/19/25 11:09	09/02/25 16:02	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/19/25 11:09	08/28/25 08:34	7439-92-1	
Molybdenum	ND	mg/L	0.010	0.0025	1	08/19/25 11:09	08/28/25 08:34	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:34	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/19/25 11:09	08/28/25 08:34	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/19/25 19:23	08/19/25 23:01	7439-97-6	

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ANALYTICAL RESULTS

Project: YAT- AP-1
Pace Project No.: 92812850

Sample: YAT-YGWC-46A **Lab ID: 92812850006** Collected: 08/13/25 11:15 Received: 08/14/25 15:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0151**	mg/L	0.00200	0.000600	1	08/23/25 19:12	09/11/25 03:23	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**1010**	mg/L	50.0	50.0	1		08/20/25 13:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**35.6**	mg/L	1.0	0.60	1		08/16/25 17:43	16887-00-6	
Fluoride	**0.11**	mg/L	0.10	0.050	1		08/16/25 17:43	16984-48-8	
Sulfate	**455**	mg/L	11.0	5.5	11		08/17/25 05:43	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/19/25 11:09	08/28/25 08:43	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/19/25 11:09	08/28/25 08:43	7440-38-2	
Barium	**0.043**	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:43	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/19/25 11:09	08/28/25 08:43	7440-41-7	
Boron	**2.8**	mg/L	0.40	0.062	10	08/19/25 11:09	08/28/25 19:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/19/25 11:09	08/28/25 08:43	7440-43-9	
Calcium	**130**	mg/L	4.0	1.0	10	08/19/25 11:09	09/02/25 16:09	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:43	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/19/25 11:09	08/28/25 08:43	7439-92-1	
Molybdenum	**0.0027J**	mg/L	0.010	0.0025	1	08/19/25 11:09	08/28/25 08:43	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:43	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/19/25 11:09	08/28/25 08:43	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/19/25 19:23	08/19/25 23:03	7439-97-6	

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ANALYTICAL RESULTS

Project: YAT- AP-1
Pace Project No.: 92812850

Sample: YAT-AP1-FD-1 **Lab ID: 92812850007** Collected: 08/13/25 00:00 Received: 08/14/25 15:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Metals (ICPMS) 6020B	Analytical Method: EPA 6020B Preparation Method: 3015 Pace National - Mt. Juliet								
Lithium	**0.0151**	mg/L	0.00200	0.000600	1	08/23/25 19:12	09/11/25 03:27	7439-93-2	
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville								
Total Dissolved Solids	**994**	mg/L	50.0	50.0	1		08/20/25 13:03		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	**35.5**	mg/L	1.0	0.60	1		08/16/25 17:58	16887-00-6	
Fluoride	**0.12**	mg/L	0.10	0.050	1		08/16/25 17:58	16984-48-8	
Sulfate	**462**	mg/L	11.0	5.5	11		08/17/25 05:58	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia								
Antimony	ND	mg/L	0.0020	0.00050	1	08/19/25 11:09	08/28/25 08:51	7440-36-0	
Arsenic	ND	mg/L	0.0020	0.0012	1	08/19/25 11:09	08/28/25 08:51	7440-38-2	
Barium	**0.043**	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:51	7440-39-3	
Beryllium	ND	mg/L	0.00040	0.00015	1	08/19/25 11:09	08/28/25 08:51	7440-41-7	
Boron	**2.8**	mg/L	0.40	0.062	10	08/19/25 11:09	08/28/25 19:58	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	08/19/25 11:09	08/28/25 08:51	7440-43-9	
Calcium	**122**	mg/L	4.0	1.0	10	08/19/25 11:09	09/02/25 16:16	7440-70-2	
Chromium	ND	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00025	1	08/19/25 11:09	08/28/25 08:51	7439-92-1	
Molybdenum	**0.0028J**	mg/L	0.010	0.0025	1	08/19/25 11:09	08/28/25 08:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0012	1	08/19/25 11:09	08/28/25 08:51	7782-49-2	
Thallium	ND	mg/L	0.00050	0.00015	1	08/19/25 11:09	08/28/25 08:51	7440-28-0	
WCOL 7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - West Columbia								
Mercury	ND	mg/L	0.00020	0.000091	1	08/19/25 19:23	08/19/25 23:06	7439-97-6	

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

QC Batch: 2582282
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92812850001, 92812850002, 92812850003, 92812850004

METHOD BLANK: R4271625-1 Matrix: Water
Associated Lab Samples: 92812850001, 92812850002, 92812850003, 92812850004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	09/10/25 19:07	

LABORATORY CONTROL SAMPLE: R4271625-4

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0494	98.8	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4271625-6 R4271625-7

Parameter	Units	L1888551-03 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.403	0.0500	0.0500	0.449	0.462	90.6	117	75.0-125	2.91	20	

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

QC Batch: 2583662
QC Batch Method: 3015
Analysis Method: EPA 6020B
Analysis Description: Metals (ICPMS) 6020B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92812850005, 92812850006, 92812850007

METHOD BLANK: R4271812-1 Matrix: Water
Associated Lab Samples: 92812850005, 92812850006, 92812850007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lithium	mg/L	ND	0.00200	0.000600	09/11/25 02:59	

LABORATORY CONTROL SAMPLE: R4271812-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lithium	mg/L	0.0500	0.0529	106	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4271812-4 R4271812-5

Parameter	Units	92812850005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lithium	mg/L	0.0142	0.0500	0.0500	0.0651	0.0633	102	98.3	75.0-125	2.81	20	

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

QC Batch: 954726 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812850001, 92812850002, 92812850003, 92812850004

METHOD BLANK: 4906870 Matrix: Water
Associated Lab Samples: 92812850001, 92812850002, 92812850003, 92812850004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/18/25 22:04	

LABORATORY CONTROL SAMPLE: 4906871

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	254	102	90-110	

SAMPLE DUPLICATE: 4906872

Parameter	Units	92812839001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1010	1090	8	25	

SAMPLE DUPLICATE: 4906873

Parameter	Units	92812853003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	113	118	4	25	

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

QC Batch: 955196 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812850005, 92812850006, 92812850007

METHOD BLANK: 4909334 Matrix: Water
Associated Lab Samples: 92812850005, 92812850006, 92812850007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/20/25 12:58	

LABORATORY CONTROL SAMPLE: 4909335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	254	102	90-110	

SAMPLE DUPLICATE: 4909336

Parameter	Units	92812774001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1010	1060	5	25	

SAMPLE DUPLICATE: 4909337

Parameter	Units	92812935003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1050	1090	4	25	

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

QC Batch: 954138
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812850001, 92812850002, 92812850003, 92812850004

METHOD BLANK: 4904040 Matrix: Water
Associated Lab Samples: 92812850001, 92812850002, 92812850003, 92812850004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/14/25 21:03	
Fluoride	mg/L	ND	0.10	0.050	08/14/25 21:03	
Sulfate	mg/L	ND	1.0	0.50	08/14/25 21:03	

LABORATORY CONTROL SAMPLE: 4904041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.8	104	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	51.5	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4904042 4904043

Parameter	Units	92812769001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	242	50	50	286	288	89	92	90-110	1	10	M1
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	97	101	90-110	4	10	
Sulfate	mg/L	8.6	50	50	59.5	61.0	102	105	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4904044 4904045

Parameter	Units	92812850002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	12.0	50	50	63.1	64.9	102	106	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	99	103	90-110	4	10	
Sulfate	mg/L	120	50	50	165	167	89	94	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

QC Batch: 954528
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92812850005, 92812850006, 92812850007

METHOD BLANK: 4906205 Matrix: Water
Associated Lab Samples: 92812850005, 92812850006, 92812850007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/16/25 13:23	
Fluoride	mg/L	ND	0.10	0.050	08/16/25 13:23	
Sulfate	mg/L	ND	1.0	0.50	08/16/25 13:23	

LABORATORY CONTROL SAMPLE: 4906206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.6	101	90-110	
Fluoride	mg/L	2.5	2.7	107	90-110	
Sulfate	mg/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906207 4906208

Parameter	Units	92813440001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	392	50	50	427	429	70	74	90-110	0	10	M1
Fluoride	mg/L	16.2	2.5	2.5	17.0	16.6	30	18	90-110	2	10	M1
Sulfate	mg/L	52.8	50	50	98.8	86.5	92	67	90-110	13	10	M1,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906209 4906210

Parameter	Units	92812845005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.9	50	50	52.0	54.8	96	102	90-110	5	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.8	107	112	90-110	5	10	M1
Sulfate	mg/L	329	50	50	353	360	48	62	90-110	2	10	M1

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

QC Batch: 954862
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92812850001, 92812850002, 92812850003, 92812850004

METHOD BLANK: 4907619 Matrix: Water
Associated Lab Samples: 92812850001, 92812850002, 92812850003, 92812850004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/22/25 18:53	1g
Arsenic	mg/L	ND	0.0020	0.0012	08/22/25 18:53	1g
Barium	mg/L	ND	0.0050	0.0012	08/22/25 18:53	1g
Beryllium	mg/L	ND	0.00040	0.00015	08/22/25 18:53	1g
Boron	mg/L	ND	0.040	0.0062	08/22/25 18:53	1g
Cadmium	mg/L	ND	0.00050	0.00012	08/22/25 18:53	1g
Calcium	mg/L	ND	0.40	0.10	08/22/25 18:53	1g
Chromium	mg/L	ND	0.0050	0.0012	08/22/25 18:53	1g
Cobalt	mg/L	ND	0.0050	0.0012	08/22/25 18:53	1g
Lead	mg/L	ND	0.0010	0.00025	08/22/25 18:53	1g
Molybdenum	mg/L	ND	0.010	0.0025	08/22/25 18:53	1g
Selenium	mg/L	ND	0.0050	0.0012	08/22/25 18:53	1g
Thallium	mg/L	ND	0.00050	0.00015	08/22/25 18:53	1g

LABORATORY CONTROL SAMPLE: 4907620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.095	95	80-120	1g
Arsenic	mg/L	0.1	0.090	90	80-120	1g
Barium	mg/L	0.1	0.095	95	80-120	1g
Beryllium	mg/L	0.1	0.090	90	80-120	1g
Boron	mg/L	0.1	0.092	92	80-120	1g
Cadmium	mg/L	0.1	0.090	90	80-120	1g
Calcium	mg/L	1	0.92	92	80-120	1g
Chromium	mg/L	0.1	0.098	98	80-120	1g
Cobalt	mg/L	0.1	0.099	99	80-120	1g
Lead	mg/L	0.1	0.10	102	80-120	1g
Molybdenum	mg/L	0.1	0.098	98	80-120	1g
Selenium	mg/L	0.1	0.087	87	80-120	1g
Thallium	mg/L	0.1	0.099	99	80-120	1g

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4907621 4907622

Parameter	Units	92812718010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.1	0.1	0.098	0.096	98	96	75-125	2	20	1g
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	1g

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4907621 4907622

Parameter	Units	92812718010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	ND	0.1	0.1	0.096	0.094	96	94	75-125	2	20	1g
Beryllium	mg/L	ND	0.1	0.1	0.095	0.093	95	93	75-125	2	20	1g
Boron	mg/L	ND	0.1	0.1	0.093	0.094	92	94	75-125	1	20	1g
Cadmium	mg/L	ND	0.1	0.1	0.097	0.095	97	95	75-125	1	20	1g
Calcium	mg/L	ND	1	1	0.97	0.95	96	94	75-125	1	20	1g
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	0	20	1g
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20	1g
Lead	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20	1g
Molybdenum	mg/L	ND	0.1	0.1	0.096	0.098	96	98	75-125	2	20	1g
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	2	20	1g
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	1g

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

QC Batch: 954876
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92812850005, 92812850006, 92812850007

METHOD BLANK: 4907671 Matrix: Water
Associated Lab Samples: 92812850005, 92812850006, 92812850007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0020	0.00050	08/28/25 04:50	
Arsenic	mg/L	ND	0.0020	0.0012	08/28/25 04:50	
Barium	mg/L	ND	0.0050	0.0012	08/28/25 04:50	
Beryllium	mg/L	ND	0.00040	0.00015	08/28/25 04:50	
Boron	mg/L	ND	0.040	0.0062	08/28/25 04:50	
Cadmium	mg/L	ND	0.00050	0.00012	08/28/25 04:50	
Calcium	mg/L	ND	0.40	0.10	09/02/25 15:47	
Chromium	mg/L	ND	0.0050	0.0012	08/28/25 04:50	
Cobalt	mg/L	ND	0.0050	0.0012	08/28/25 04:50	
Lead	mg/L	ND	0.0010	0.00025	08/28/25 04:50	
Molybdenum	mg/L	ND	0.010	0.0025	08/28/25 04:50	
Selenium	mg/L	ND	0.0050	0.0012	08/28/25 04:50	
Thallium	mg/L	ND	0.00050	0.00015	08/28/25 04:50	

LABORATORY CONTROL SAMPLE: 4907672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.10	100	80-120	
Barium	mg/L	0.1	0.11	107	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	0.1	0.10	102	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Calcium	mg/L	1	1.1	105	80-120	
Chromium	mg/L	0.1	0.11	110	80-120	
Cobalt	mg/L	0.1	0.11	110	80-120	
Lead	mg/L	0.1	0.11	110	80-120	
Molybdenum	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.091	91	80-120	
Thallium	mg/L	0.1	0.11	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4907673 4907674

Parameter	Units	92813496001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	<6.0 ug/L	0.1	0.1	0.10	0.10	102	100	75-125	2	20	
Arsenic	mg/L	<10.0 ug/L	0.1	0.1	0.10	0.10	103	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4907673 4907674

Parameter	Units	92813496001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/L	<20.0 ug/L	0.1	0.1	0.12	0.11	103	99	75-125	3	20	
Beryllium	mg/L	<4.0 ug/L	0.1	0.1	0.10	0.10	102	100	75-125	2	20	
Boron	mg/L	<40.0 ug/L	0.1	0.1	0.11	0.11	104	105	75-125	1	20	
Cadmium	mg/L	<5.0 ug/L	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Calcium	mg/L	11600 ug/L	1	1	12.4	12.0	78	40	75-125	3	20	M1
Chromium	mg/L	<20.0 ug/L	0.1	0.1	0.11	0.10	104	103	75-125	1	20	
Cobalt	mg/L	<6.0 ug/L	0.1	0.1	0.11	0.11	104	103	75-125	1	20	
Lead	mg/L	<10.0 ug/L	0.1	0.1	0.11	0.10	106	104	75-125	1	20	
Molybdenum	mg/L	<10.0 ug/L	0.1	0.1	0.096	0.096	95	95	75-125	0	20	
Selenium	mg/L	<50.0 ug/L	0.1	0.1	0.10	0.098	99	98	75-125	1	20	
Thallium	mg/L	<2.0 ug/L	0.1	0.1	0.11	0.11	108	105	75-125	2	20	

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

QC Batch: 954513 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92812850001, 92812850002, 92812850003, 92812850004

METHOD BLANK: 4906173 Matrix: Water
Associated Lab Samples: 92812850001, 92812850002, 92812850003, 92812850004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/19/25 18:25	

LABORATORY CONTROL SAMPLE: 4906174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0018	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4906175 4906176

Parameter	Units	92812935007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.81 ug/L	0.002	0.002	0.0025	0.0026	85	87	80-120	2	20	

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QUALITY CONTROL DATA

Project: YAT- AP-1
Pace Project No.: 92812850

QC Batch: 954991
QC Batch Method: EPA 7470A
Analysis Method: EPA 7470A
Analysis Description: WCOL 7470 Mercury
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92812850005, 92812850006, 92812850007

METHOD BLANK: 4908281 Matrix: Water
Associated Lab Samples: 92812850005, 92812850006, 92812850007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000091	08/19/25 22:48	

LABORATORY CONTROL SAMPLE: 4908282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4908283 4908284

Parameter	Units	92812845004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.002	0.002	0.0019	0.0020	96	97	80-120	1	20	

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QUALIFIERS

Project: YAT- AP-1
Pace Project No.: 92812850

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.

WORKORDER QUALIFIERS

WO: 92812850

[1]	ARCADIS
[2]	DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

BATCH QUALIFIERS

Batch: 955785

[1]	The parent sample used for the MS/MSD was a field blank.

ANALYTE QUALIFIERS

1g	The parent sample used for the MS/MSD was a field blank.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: YAT- AP-1
Pace Project No.: 92812850

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92812850001	**YAT-YGWC-52**	3015	2582282	EPA 6020B	2582282
92812850002	**YAT-YGWC-44**	3015	2582282	EPA 6020B	2582282
92812850003	**YAT-AP1-EB-1**	3015	2582282	EPA 6020B	2582282
92812850004	**YAT-AP1-FB-1**	3015	2582282	EPA 6020B	2582282
92812850005	**YAT-YGWC-45**	3015	2583662	EPA 6020B	2583662
92812850006	**YAT-YGWC-46A**	3015	2583662	EPA 6020B	2583662
92812850007	**YAT-AP1-FD-1**	3015	2583662	EPA 6020B	2583662
92812850001	**YAT-YGWC-52**	SM 2540C-2020	954726		
92812850002	**YAT-YGWC-44**	SM 2540C-2020	954726		
92812850003	**YAT-AP1-EB-1**	SM 2540C-2020	954726		
92812850004	**YAT-AP1-FB-1**	SM 2540C-2020	954726		
92812850005	**YAT-YGWC-45**	SM 2540C-2020	955196		
92812850006	**YAT-YGWC-46A**	SM 2540C-2020	955196		
92812850007	**YAT-AP1-FD-1**	SM 2540C-2020	955196		
92812850001	**YAT-YGWC-52**	EPA 300.0 Rev 2.1 1993	954138		
92812850002	**YAT-YGWC-44**	EPA 300.0 Rev 2.1 1993	954138		
92812850003	**YAT-AP1-EB-1**	EPA 300.0 Rev 2.1 1993	954138		
92812850004	**YAT-AP1-FB-1**	EPA 300.0 Rev 2.1 1993	954138		
92812850005	**YAT-YGWC-45**	EPA 300.0 Rev 2.1 1993	954528		
92812850006	**YAT-YGWC-46A**	EPA 300.0 Rev 2.1 1993	954528		
92812850007	**YAT-AP1-FD-1**	EPA 300.0 Rev 2.1 1993	954528		
92812850001	**YAT-YGWC-52**	EPA 3005A	954862	EPA 6020B	955785
92812850002	**YAT-YGWC-44**	EPA 3005A	954862	EPA 6020B	955785
92812850003	**YAT-AP1-EB-1**	EPA 3005A	954862	EPA 6020B	955785
92812850004	**YAT-AP1-FB-1**	EPA 3005A	954862	EPA 6020B	955785
92812850005	**YAT-YGWC-45**	EPA 3005A	954876	EPA 6020B	957447
92812850006	**YAT-YGWC-46A**	EPA 3005A	954876	EPA 6020B	957447
92812850007	**YAT-AP1-FD-1**	EPA 3005A	954876	EPA 6020B	957447
92812850001	**YAT-YGWC-52**	EPA 7470A	954513	EPA 7470A	955344
92812850002	**YAT-YGWC-44**	EPA 7470A	954513	EPA 7470A	955344
92812850003	**YAT-AP1-EB-1**	EPA 7470A	954513	EPA 7470A	955344
92812850004	**YAT-AP1-FB-1**	EPA 7470A	954513	EPA 7470A	955344
92812850005	**YAT-YGWC-45**	EPA 7470A	954991	EPA 7470A	955358
92812850006	**YAT-YGWC-46A**	EPA 7470A	954991	EPA 7470A	955358
92812850007	**YAT-AP1-FD-1**	EPA 7470A	954991	EPA 7470A	955358

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Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: CA Power

Project #:

WO# : 92812850

92812850

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☑ Client

Custody Seal Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 5/22/25 aw

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:

☐ IR Gun ID: 214 **Type of Ice:** ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.5 **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): 4.5

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?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WG WQ				
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# : 92812850

PM: BV Due Date: 08/27/25
CLIENT: 92-GP-Yates

*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 GA Power 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)	BP1N	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)	DG84-40 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		1	1		2		2																							
2		1	1		2		2																							
3		1	1		2		2																							
4		1	1		2		2																							
5		1	1		2		2																							
6		1	1		2		2																							
7		1	1		2		2																							
8		1	1		2		2																							
9		1	1		2		2																							
10		1	1		2		2																							
11		1	1		2		2																							
12		1	1		2		2																							

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.

WO#: 92812850
PM: BV Due Date: 08/27/25
CLIENT: 92-GP-Yates

*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_____ 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)	BPN	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)	DG9A-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		1	1		2		2																							
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11		1	1		2		2																							
12		1	1		2		2																							

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.

WO# : 92812850

PM: BV **Due Date: 08/27/25**

CLIENT: 92-GP-Yates

*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_____ 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)	BAV	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)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)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		1	1		2		2 1																							
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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.

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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

9281285

Scan QR Code for instructions

Company Name:	Southern Company	Contact/Report To:	Trey Singleton
Street Address:	241 Ralph McGill Blvd, Atlanta, GA 30308	Phone #:	205.346.3317
		E-Mail:	rosingle@southernco.com
		Cc E-Mail:	Arcadis contacts
Customer Project #:	Task No. YAT-CCR-ASSMT-2025S2	Invoice To:	
Project Name:	Georgia Power Yates	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable): YAT AP-1		Purchase Order # (if applicable):	GPC82474-0002
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	Georgia
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [X] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	
		Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other	
		Date Results Requested:	
		DW PWSID # or WW Permit # as applicable:	
		Field Filtered (if applicable): [ ] Yes [X] 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), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

	Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	App III/IV Metals	Cl, F, SO4 (EPA 300.0)	TDS (SM 2540C)	RAD SW846 9315/9320	Sample Comment	Preservation non-conformance identified for sample
	Specify Container Size **										3	3	2	1		
	Identify Container Preservative Type***										2	1	1	2		
9	YAT-YGWC-52	WG	G	8/12/25	1430				6		X	X	X	X	See Remarks 001	
10	YAT-YGWC-44	WG	G	8/12/25	1635				6		X	X	X	X	See Remarks 002	
	YAT-YGWC-45	WG	G						6		X	X	X	X	See Remarks	
	YAT-YGWC-46A	WG	G						6		X	X	X	X	See Remarks	
	YAT-AP1-FD-1	WG	G						6		X	X	X	X	See Remarks	
11	YAT-AP1-EB-1	WG	G	8/12/25	1745				6		X	X	X	X	See Remarks 003	
12	YAT-AP1-FB-1	WG	G	8/12/25	1300				6		X	X	X	X	See Remarks 004	

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 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: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16561
Prelog / Bottle Ord. ID:

Customer Remarks / Special Conditions / Possible Hazards:
App III Metals: 6020B: B, Ca
App IV: Metals 6020B: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl; 7470A: Hg

Collected By:
Printed Name: (Arcadis) - Perry Studebaker
Signature: (Arcadis) -

Additional Instructions from Pace®:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C) Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Arcadis	8/13/25 1000		8/13 1000	
	8/13/25 1245		8/13/25 1245	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
				Page: of

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/

ENV-FRM-CORQ-0019_v01_082123 ©

Pace	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: GA Power

Project #:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/14/25 CAC

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 073

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.1 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 2.1

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

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?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
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:** _____

*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_____ 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)	12pH	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)
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12		1	1			2	2																							

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.

*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_____ 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)	BP1N	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		1	1		2*		2*																							
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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.

Pace* Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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

92812850

Scan QR Code for instructions

Company Name:	Southern Company	Contact/Report To:	Trey Singleton
Street Address:	241 Ralph McGill Blvd, Atlanta, GA 30308	Phone #:	205.346.3317
		E-Mail:	rosingle@southernco.com
		Cc E-Mail:	Arcadis contacts
Customer Project #:	Task No. YAT-CCR-ASSMT-2025S2	Invoice To:	
Project Name:	Georgia Power Yates	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable): YAT AP-1		Purchase Order # (if applicable):	GPC8247 4-0002
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [X] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [X] No

Analysis:

Specify Container Size **: 3 3 2 1

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 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

* 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), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Lab Use Only: Proj. Mgr: Bonnie Vang; AcctNum / Client ID:; Table #:; Profile / Template: 16561; Prelog / Bottle Ord. ID:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	App III/IV Metals	Cl, F, SO4 (EPA 300.0)	TDS (SM 2540C)	RAD SW846 9315/8320	Sample Comment	Preservation non-conformance identified for sample
YAT-YGWC-52	WG	G						6		X	X	X	X	See Remarks	
YAT-YGWC-44	WG	G						6		X	X	X	X	See Remarks	
YAT-YGWC-45	WG	G	8/13/25	0930				6		X	X	X	X	See Remarks	
YAT-YGWC-46A	WG	G	8/13/25	1115				6		X	X	X	X	See Remarks 005	
YAT-AP1-FD-1	WG	G	8/13/25					6		X	X	X	X	See Remarks 006	
YAT-AP1-EB-1	WG	G						6		X	X	X	X	See Remarks 007	
YAT-AP1-FB-1	WG	G						6		X	X	X	X	See Remarks	

Customer Remarks / Special Conditions / Possible Hazards:
App III Metals: 6020B: B, Ca
App IV: Metals 6020B: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl; 7470A: Hg

Collected By:
Printed Name: (Arcadis) - Perry Studebaker
Signature: (Arcadis) - Perry Studebaker

Additional Instructions from Pace®:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Perry Studebaker / Arcadis	8/14/25 0730	Lyon Williams / Arcadis	8/14/25 0730
Lyon Williams / Arcadis	8/14/25 0918	Lyon Williams / Pace	8/14/25 0918
Lyon Williams / Pace	8/14/25 1505	Chuck Hanks	8/14/25 1505
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: of

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/

ENV-FRM-CORQ-0019_v01_082123 ©

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 10, 2025

Trey Singleton
Southern Company
241 Ralp McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Dear Trey Singleton:

Enclosed are the analytical results for sample(s) received by the laboratory between August 13, 2025 and August 14, 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 - Greensburg

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Geoffrey Gay, Arcadis-ATL
Laura Midkiff, Southern Company
Alex Simpson, Arcadis
Jessica Ware, Arcadis
Albert Zumbuhl, Arcadis

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without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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SAMPLE SUMMARY

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92812851001	**YAT-YGWC-52**	Water	08/12/25 14:30	08/13/25 12:45
92812851002	**YAT-YGWC-44**	Water	08/12/25 16:35	08/13/25 12:45
92812851003	**YAT-AP1-EB-1**	Water	08/12/25 17:45	08/13/25 12:45
92812851004	**YAT-AP1-FB-1**	Water	08/12/25 13:00	08/13/25 12:45
92812851005	**YAT-YGWC-45**	Water	08/13/25 09:30	08/14/25 15:05
92812851006	**YAT-YGWC-46A**	Water	08/13/25 11:15	08/14/25 15:05
92812851007	**YAT-AP1-FD-1**	Water	08/13/25 00:00	08/14/25 15:05

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SAMPLE ANALYTE COUNT

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92812851001	**YAT-YGWC-52**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92812851002	**YAT-YGWC-44**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92812851003	**YAT-AP1-EB-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92812851004	**YAT-AP1-FB-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92812851005	**YAT-YGWC-45**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92812851006	**YAT-YGWC-46A**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92812851007	**YAT-AP1-FD-1**	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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SUMMARY OF DETECTION

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92812851001	**YAT-YGWC-52**					
EPA 9315	Radium-226	0.0554U ± 0.164 (0.398) C:80% T:NA	pCi/L		09/08/25 08:02	
EPA 9320	Radium-228	0.575U ± 0.405 (0.775) C:69% T:88%	pCi/L		09/08/25 17:03	
Total Radium Calculation	Total Radium	0.630U ± 0.569 (1.17)	pCi/L		09/09/25 17:11	
92812851002	**YAT-YGWC-44**					
EPA 9315	Radium-226	-0.00249U ± 0.165 (0.432) C:85% T:NA	pCi/L		09/08/25 08:03	
EPA 9320	Radium-228	0.140U ± 0.314 (0.700) C:68% T:91%	pCi/L		09/08/25 17:03	
Total Radium Calculation	Total Radium	0.140U ± 0.479 (1.13)	pCi/L		09/09/25 17:11	
92812851003	**YAT-AP1-EB-1**					
EPA 9315	Radium-226	0.129U ± 0.211 (0.472) C:69% T:NA	pCi/L		09/08/25 08:05	
EPA 9320	Radium-228	0.399U ± 0.438 (0.914) C:64% T:86%	pCi/L		09/08/25 17:04	
Total Radium Calculation	Total Radium	0.528U ± 0.649 (1.39)	pCi/L		09/09/25 17:11	
92812851004	**YAT-AP1-FB-1**					
EPA 9315	Radium-226	0.0365U ± 0.223 (0.552) C:78% T:NA	pCi/L		09/08/25 08:05	
EPA 9320	Radium-228	0.463U ± 0.439 (0.895) C:64% T:85%	pCi/L		09/08/25 17:04	
Total Radium Calculation	Total Radium	0.500U ± 0.662 (1.45)	pCi/L		09/09/25 17:11	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92812851005	**YAT-YGWC-45**					
EPA 9315	Radium-226	0.927 ± 0.353 (0.445) C:84% T:NA	pCi/L		09/08/25 08:05	
EPA 9320	Radium-228	0.425U ± 0.436 (0.897) C:58% T:89%	pCi/L		09/08/25 17:04	
Total Radium Calculation	Total Radium	1.35 ± 0.789 (1.34)	pCi/L		09/09/25 17:11	
92812851006	**YAT-YGWC-46A**					
EPA 9315	Radium-226	1.04 ± 0.380 (0.451) C:77% T:NA	pCi/L		09/08/25 08:05	
EPA 9320	Radium-228	1.17 ± 0.621 (1.15) C:68% T:89%	pCi/L		09/08/25 17:04	
Total Radium Calculation	Total Radium	2.21 ± 1.00 (1.60)	pCi/L		09/09/25 17:11	
92812851007	**YAT-AP1-FD-1**					
EPA 9315	Radium-226	0.709 ± 0.322 (0.428) C:70% T:NA	pCi/L		09/08/25 08:37	
EPA 9320	Radium-228	2.12 ± 0.738 (1.09) C:62% T:92%	pCi/L		09/08/25 17:04	
Total Radium Calculation	Total Radium	2.83 ± 1.06 (1.52)	pCi/L		09/09/25 17:11	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Sample: YAT-YGWC-52 **Lab ID: 92812851001** Collected: 08/12/25 14:30 Received: 08/13/25 12:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0554U ± 0.164 (0.398) C:80% T:NA**	pCi/L	09/08/25 08:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.575U ± 0.405 (0.775) C:69% T:88%**	pCi/L	09/08/25 17:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.630U ± 0.569 (1.17)**	pCi/L	09/09/25 17:11	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Sample: YAT-YGWC-44 **Lab ID: 92812851002** Collected: 08/12/25 16:35 Received: 08/13/25 12:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**-0.00249U ± 0.165 (0.432) C:85% T:NA**	pCi/L	09/08/25 08:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.140U ± 0.314 (0.700) C:68% T:91%**	pCi/L	09/08/25 17:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.140U ± 0.479 (1.13)**	pCi/L	09/09/25 17:11	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Sample: YAT-AP1-EB-1 **Lab ID: 92812851003** Collected: 08/12/25 17:45 Received: 08/13/25 12:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.129U ± 0.211 (0.472) C:69% T:NA**	pCi/L	09/08/25 08:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.399U ± 0.438 (0.914) C:64% T:86%**	pCi/L	09/08/25 17:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.528U ± 0.649 (1.39)**	pCi/L	09/09/25 17:11	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Sample: YAT-AP1-FB-1 **Lab ID: 92812851004** Collected: 08/12/25 13:00 Received: 08/13/25 12:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.0365U ± 0.223 (0.552) C:78% T:NA**	pCi/L	09/08/25 08:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.463U ± 0.439 (0.895) C:64% T:85%**	pCi/L	09/08/25 17:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.500U ± 0.662 (1.45)**	pCi/L	09/09/25 17:11	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Sample: YAT-YGWC-45 **Lab ID: 92812851005** Collected: 08/13/25 09:30 Received: 08/14/25 15:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.927 ± 0.353 (0.445) C:84% T:NA**	pCi/L	09/08/25 08:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**0.425U ± 0.436 (0.897) C:58% T:89%**	pCi/L	09/08/25 17:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.35 ± 0.789 (1.34)**	pCi/L	09/09/25 17:11	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Sample: YAT-YGWC-46A **Lab ID: 92812851006** Collected: 08/13/25 11:15 Received: 08/14/25 15:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**1.04 ± 0.380 (0.451) C:77% T:NA**	pCi/L	09/08/25 08:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**1.17 ± 0.621 (1.15) C:68% T:89%**	pCi/L	09/08/25 17:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.21 ± 1.00 (1.60)**	pCi/L	09/09/25 17:11	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Sample: YAT-AP1-FD-1 **Lab ID: 92812851007** Collected: 08/13/25 00:00 Received: 08/14/25 15:05 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	**0.709 ± 0.322 (0.428) C:70% T:NA**	pCi/L	09/08/25 08:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	**2.12 ± 0.738 (1.09) C:62% T:92%**	pCi/L	09/08/25 17:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.83 ± 1.06 (1.52)**	pCi/L	09/09/25 17:11	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

QC Batch: 766770 Analysis Method: EPA 9320
QC Batch Method: EPA 9320 Analysis Description: 9320 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92812851001, 92812851002, 92812851003, 92812851004, 92812851005, 92812851006, 92812851007

METHOD BLANK: 3737590 Matrix: Water
Associated Lab Samples: 92812851001, 92812851002, 92812851003, 92812851004, 92812851005, 92812851006, 92812851007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.364 ± 0.399 (0.828) C:66% T:83%	pCi/L	09/08/25 17:02	

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.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

QC Batch: 766769 Analysis Method: EPA 9315
QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 92812851001, 92812851002, 92812851003, 92812851004, 92812851005, 92812851006, 92812851007

METHOD BLANK: 3737589 Matrix: Water
Associated Lab Samples: 92812851001, 92812851002, 92812851003, 92812851004, 92812851005, 92812851006, 92812851007

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0319 ± 0.129 (0.375) C:81% T:NA	pCi/L	09/08/25 08:02	

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QUALIFIERS

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

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.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92812851

[1] ARCADIS

[2] DO NOT DILUTE. MUST MEET REPORTING LIMITS. LET PM KNOW FIRST IF THERE ARE ISSUES.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: YAT- AP-1-RADs
Pace Project No.: 92812851

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92812851001	**YAT-YGWC-52**	EPA 9315	766769		
92812851002	**YAT-YGWC-44**	EPA 9315	766769		
92812851003	**YAT-AP1-EB-1**	EPA 9315	766769		
92812851004	**YAT-AP1-FB-1**	EPA 9315	766769		
92812851005	**YAT-YGWC-45**	EPA 9315	766769		
92812851006	**YAT-YGWC-46A**	EPA 9315	766769		
92812851007	**YAT-AP1-FD-1**	EPA 9315	766769		
92812851001	**YAT-YGWC-52**	EPA 9320	766770		
92812851002	**YAT-YGWC-44**	EPA 9320	766770		
92812851003	**YAT-AP1-EB-1**	EPA 9320	766770		
92812851004	**YAT-AP1-FB-1**	EPA 9320	766770		
92812851005	**YAT-YGWC-45**	EPA 9320	766770		
92812851006	**YAT-YGWC-46A**	EPA 9320	766770		
92812851007	**YAT-AP1-FD-1**	EPA 9320	766770		
92812851001	**YAT-YGWC-52**	Total Radium Calculation	769719		
92812851002	**YAT-YGWC-44**	Total Radium Calculation	769719		
92812851003	**YAT-AP1-EB-1**	Total Radium Calculation	769719		
92812851004	**YAT-AP1-FB-1**	Total Radium Calculation	769719		
92812851005	**YAT-YGWC-45**	Total Radium Calculation	769719		
92812851006	**YAT-YGWC-46A**	Total Radium Calculation	769719		
92812851007	**YAT-AP1-FD-1**	Total Radium Calculation	769719		

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Pace	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: CA Power

Project #:

WO# : 92812851

92812851

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☑ Client

Custody Seal Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 5/23/25 aw

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:
☐ IR Gun ID: 214 **Type of Ice:** ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.5 **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): 4.5

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?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WG WQ				
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#: 92812851

PM: BV Due Date: 09/04/25

CLIENT: 92-GP-Yates

*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 GA Power 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)	BP1N	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)	DG9B-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)
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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.

WO#: 92812851
PM: BV Due Date: 09/04/25
CLIENT: 92-GP-Yates

*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
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Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

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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 #

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WO# : 92812851

PM: BV Due Date: 09/04/25
CLIENT: 92-GP-Yates

*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_____ 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)	BPN	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)
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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.

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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

Scan QR Code for instructions

Company Name:	Southern Company	Contact/Report To:	Trey Singleton
Street Address:	241 Ralph McGill Blvd, Atlanta, GA 30308	Phone #:	205.346.3317
		E-Mail:	rosingle@southernco.com
		Cc E-Mail:	Arcadis contacts
Customer Project #:	Task No. YAT-CCR-ASSMT-2025S2	Invoice To:	
Project Name:	Georgia Power Yates	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable): YAT AP-1		Purchase Order # (if applicable):	GPC82474-0002
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): Georgia

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [X] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [X] 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), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Specify Container Size **: 3 3 2 1

Identify Container Preservative Type***: 2 1 1 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 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	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	App III/IV Metals	Cl, F, SO4 (EPA 300.0)	TDS (SM 2540C)	RAD SW846 9315/8320	Sample Comment	Preservation non-conformance identified for sample.
YAT-YGWC-52	WG	G	8/12/25	1430				6		X	X	X	X	See Remarks 001	
YAT-YGWC-44	WG	G	8/12/25	1635				6		X	X	X	X	See Remarks 002	
YAT-YGWC-45	WG	G						6		X	X	X	X	See Remarks	
YAT-YGWC-46A	WG	G						6		X	X	X	X	See Remarks	
YAT-AP1-FD-1	WG	G						6		X	X	X	X	See Remarks	
YAT-AP1-EB-1	WG	G	8/12/25	1745				6		X	X	X	X	See Remarks 003	
YAT-AP1-FB-1	WG	G	8/12/25	1300				6		X	X	X	X	See Remarks 004	

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16561
Prelog / Bottle Ord. ID

Customer Remarks / Special Conditions / Possible Hazards:
App III Metals: 6020B: B, Ca
App IV: Metals 6020B: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl; 7470A: Hg

Collected By:
Printed Name: (Arcadis) - Perry Studebaker
Signature (Arcadis) -

Additional Instructions from Pace®:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C) Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Arcadis	8/13/25 1000		8/13 1000
Relinquished by/Company: (Signature)	Date/Time: 8/13/25 1245	Received by/Company: (Signature)	Date/Time: 8/13/25 1245
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: of

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/

ENV-FRM-CORQ-0019_v01_082123 ©

Pace Analytical	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: GA Power

Project #:

Courier: ☐ ~~Fed Ex~~ ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☒ ~~No~~ **Seals Intact?** ☐ Yes ☐ No ☒ ~~N/A~~

Date/Initials Person Examining Contents: 8/14/25 CaJC

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ ~~None~~ ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☒ ~~N/A~~

Thermometer: ☒ ~~IR Gun ID:~~ 073

Type of Ice: ☒ ~~Wet~~ ☐ Blue ☐ None

Cooler Temp: 2.1 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 2.1

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

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?	☒ ~~Yes~~	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
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:** _____

*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_____ 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)	VOA	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)	DG9A-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 (NH4)2SO4 (9.3-9.7)	AGGU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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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 #

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Pace* Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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

92812851

Scan QR Code for instructions

Company Name:	Southern Company	Contact/Report To:	Trey Singleton
Street Address:	241 Ralph McGill Blvd, Atlanta, GA 30308	Phone #:	205.346.3317
		E-Mail:	rosingle@southernco.com
		Cc E-Mail:	Arcadis contacts
Customer Project #:	Task No. YAT-CCR-A5SMT-2025S2	Invoice To:	
Project Name:	Georgia Power Yates	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable): YAT AP-1		Purchase Order # (if applicable):	GPC82474-0002
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	Georgia

Data Deliverables:
[X] Level II [ ] Level III [ ] Level IV
[X] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____
Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [X] 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), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 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	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. CL2	Number & Type of Containers Plastic	Number & Type of Containers Glass	App III/IV Metals	Cl, F, SO4 (EPA 300.0)	TDS (SM 2540C)	RAD SW846 9315/8320	Sample Comment	Preservation non-conformance identified for sample
								Specify Container Size **		3	3	2	1		
								Identify Container Preservative Type***		2	1	1	2		
								Analysis Requested							
YAT-YGWC-52	WG	G						6		X	X	X	X	See Remarks	
YAT-YGWC-44	WG	G						6		X	X	X	X	See Remarks	
YAT-YGWC-45	WG	G	8/13/25	0930	—	—	—	6		X	X	X	X	See Remarks 005	
YAT-YGWC-46A	WG	G	8/13/25	1115	—	—	—	6		X	X	X	X	See Remarks 006	
YAT-AP1-FD-1	WG	G	8/13/25	—	—	—	—	6		X	X	X	X	See Remarks 007	
YAT-AP1-EB-1	WG	G						6		X	X	X	X	See Remarks	
YAT-AP1-FB-1	WG	G						6		X	X	X	X	See Remarks	

Lab Use Only
Proj. Mgr: Bonnie Vang
AcctNum / Client ID:
Table #:
Profile / Template: 16561
Prelog / Bottle Ord. ID:

Customer Remarks / Special Conditions / Possible Hazards:
App III Metals: 6020B: B, Ca
App IV: Metals 6020B: Sb, As, Ba, Be, Cd, Cr, Co, Pb, Li, Mo, Se, Tl; 7470A: Hg

Collected By:
Printed Name: (Arcadis) - Perry Studebaker
Signature: (Arcadis) - Perry Studebaker

Additional Instructions from Pace®:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C)

	Date/Time		Date/Time
Relinquished by/Company: (Signature) Perry Studebaker / Arcadis	8/14/25 0730	Received by/Company: (Signature) Lauren Jones / Arcadis	8/14/25 0730
Relinquished by/Company: (Signature) Lauren Jones / Arcadis	8/14/25 0918	Received by/Company: (Signature) Tyler Williams / Pace	8/14/25 0918
Relinquished by/Company: (Signature) Tyler Williams / Pace	8/14/25 1505	Received by/Company: (Signature) Emma Hanks	8/14/25 1505
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier
[ ] FedEx [ ] UPS [ ] Other

Page: of

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/

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Ra-228
Analyst:	ZPC
Date:	9/2/2025
Worklist:	86787
Matrix:	WT

Method Blank Assessment	
MB Sample ID	3737590
MB concentration:	0.364
M/B 2 Sigma CSU:	0.399
MB MDC:	0.828
MB Numerical Performance Indicator:	1.79
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86787	LCSD86787
Count Date:	9/8/2025	9/8/2025
Spike I.D.:	23-043	23-043
Decay Corrected Spike Concentration (pCi/mL):	31.350	31.350
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.824	0.818
Target Conc. (pCi/L, g, F):	3.804	3.833
Uncertainty (Calculated):	0.186	0.188
Result (pCi/L, g, F):	4.050	2.826
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	1.059	0.790
Numerical Performance Indicator:	0.45	-2.43
Percent Recovery:	106.48%	73.73%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	135%	135%
Lower % Recovery Limits:	60%	60%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86787	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD86787	
Sample Result (pCi/L, g, F):	4.050	
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.059	
Sample Duplicate Result (pCi/L, g, F):	2.826	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.790	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	1.816	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	36.34%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Fail***	
% RPD Limit:	36%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

9/9/25

Quality Control Sample Performance Assessment

Pace Analytical
www.pacelabs.com

Test:	Ra-226
Analyst:	SLC
Date:	9/5/2025
Worklist:	86786
Matrix:	W

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	3737589
MB concentration:	-0.032
M/B 2 Sigma CSU:	0.129
MB MDC:	0.375
MB Numerical Performance Indicator:	-0.49
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	N/A

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS86786	LCSD86786
Count Date:	9/8/2025	9/8/2025
Spike I.D.:	23-014	23-014
Decay Corrected Spike Concentration (pCi/mL):	25.009	25.009
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.510	0.509
Target Conc. (pCi/L, g, F):	4.906	4.912
Uncertainty (Calculated):	0.231	0.231
Result (pCi/L, g, F):	4.359	4.992
LCS/LCSD 2 Sigma CSU (pCi/L, g, F):	0.885	0.972
Numerical Performance Indicator:	-1.17	0.16
Percent Recovery:	88.85%	101.63%
Status vs Numerical Indicator:	Pass	Pass
Status vs Recovery:	N/A	N/A
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date:		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Spike I.D.:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc.(pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result:		
Sample Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limits:		
MS/MSD Lower % Recovery Limits:		

Duplicate Sample Assessment		
Sample I.D.:	LCS86786	92813230005
Duplicate Sample I.D.	LCSD86786	92813230005DUP
Sample Result (pCi/L, g, F):	4.359	0.138
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.885	0.188
Sample Duplicate Result (pCi/L, g, F):	4.992	0.066
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	0.972	0.145
Are sample and/or duplicate results below RL?	NO	See Below ##
Duplicate Numerical Performance Indicator:	-0.943	0.595
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	13.42%	70.79%
Duplicate Status vs Numerical Indicator:	Pass	Pass
Duplicate Status vs RPD:	N/A	N/A
% RPD Limit:	25%	25%

Matrix Spike/Matrix Spike Duplicate Sample Assessment		
Sample I.D.		
Sample MS I.D.		
Sample MSD I.D.		
Sample Matrix Spike Result:		
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):		
Sample Matrix Spike Duplicate Result:		
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
(Based on the Percent Recoveries) MS/ MSD Duplicate RPD:		
MS/ MSD Duplicate Status vs Numerical Indicator:		
MS/ MSD Duplicate Status vs RPD:		
% RPD Limit:		

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

VMM 9/8/25

ET 9-8-25

Appendix B

Field Sampling Reports

Gauging Log

Client:	Georgia Power	**Date(s):**	8/11/2025
Facility:	Plant Yates	**Work Order(s):**	Semiannual GWM August 2025 - AP-1
Facility Location:	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-1
Equipment:	Water Level Meter		
Field Technician:	Perry Studebaker		

								Well Head Readings						
Location	**Area**	**Date**	**Time**	**Scope of Work Completed?**	**Depth to Water (ft bmp)**	**Total Depth (ft bmp)**	**Depth to Product (ft bmp)**	**CH^4 (ppmv)**	**FID (ppmv)**	**H_2S (ppmv)**	**O_2 (ppmv)**	**OVM (ppmv)**	**PID (ppmv)**	**Comments**
PZ-09I	AP-1	08-11-2025	10:45	Yes	19.33	--	--	--	--	--	--	--	--	
PZ-09S	AP-1	08-11-2025	10:42	Yes	19.06	--	--	--	--	--	--	--	--	
PZ-10I	AP-1	08-11-2025	11:51	Yes	13.37	--	--	--	--	--	--	--	--	
PZ-10S	AP-1	08-11-2025	11:46	Yes	8.01	--	--	--	--	--	--	--	--	
PZ-53	AP-1	08-11-2025	11:28	Yes	39.16	--	--	--	--	--	--	--	--	
YGWC-44	AP-1	08-11-2025	10:29	Yes	49.83	--	--	--	--	--	--	--	--	
YGWC-45	AP-1	08-11-2025	14:45	Yes	22.70	--	--	--	--	--	--	--	--	
YGWC-46A	AP-1	08-11-2025	11:34	Yes	39.27	--	--	--	--	--	--	--	--	
YGWC-52	AP-1	08-11-2025	10:17	Yes	37.42	--	--	--	--	--	--	--	--	

ft-bmp = feet below measuring point
ppmV = parts per million by volume
-- = Not applicable based on fields selected as \"None\"

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/12/2025

Calibrated By: Jessica Ware

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	867232
Turbidity Meter	HACH 2100Q	1708CC060127

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 7:10		**Time Finish: 8:00**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.32	± 0.1	GWMP
pH (SU)	7.00	7.00	24.84	± 0.1	GWMP
pH (SU)	10.00	10.00	25.37	± 0.1	GWMP
D.O. (%)	N/A	100.00	25.46	± 10%	NA
ORP (mV)	240.0	240.0	24.96	± 10	EPA 2024

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.6	± 10% of standard	EPA 2023
	100	94.0		
	800	744		
	10	9.38		

Calibration Check					
Time Start: 12:24		**Time Finish: 12:50**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	28.57	± 0.1	GWMP
pH (SU)	7.00	7.00	28.02	± 0.1	GWMP
pH (SU)	10.00	10.00	26.80	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.7	± 10% of standard	EPA 2023
	100	96.0		
	800	809		
	10	9.85		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/12/2025

Calibrated By: Perry Studebaker

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	872584
Turbidity Meter	HACH 2100Q	214048

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 7:00		**Time Finish: 7:30**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	25.09	± 0.1	GWMP
pH (SU)	7.00	7.00	25.04	± 0.1	GWMP
pH (SU)	10.00	10.00	25.27	± 0.1	GWMP
D.O. (%)	N/A	100.00	23.99	± 10%	NA
ORP (mV)	240.0	240	25.02	± 10	EPA 2024

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	99.0		
	800	799		
	10	9.91		

Calibration Check					
Time Start: 13:40		**Time Finish: 14:10**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	27.78	± 0.1	GWMP
pH (SU)	7.00	6.99	28.98	± 0.1	GWMP
pH (SU)	10.00	9.95	28.40	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.2	± 10% of standard	EPA 2023
	100	102		
	800	805		
	10	10.1		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/12/2025

Calibrated By: David Prouty

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	663620
Turbidity Meter	HACH 2100Q	1909C079586

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 7:00			**Time Finish: 7:50**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.99	± 0.1	GWMP
pH (SU)	7.00	7.00	25.10	± 0.1	GWMP
pH (SU)	10.00	10.00	25.23	± 0.1	GWMP
D.O. (%)	N/A	100.00	23.63	± 10%	NA
ORP (mV)	240.0	240.0	25.11	± 10	EPA 2024

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	100		
	800	801		
	10	9.90		

Calibration Check					
Time Start: 12:40			**Time Finish: 13:00**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	28.87	± 0.1	GWMP
pH (SU)	7.00	7.00	29.13	± 0.1	GWMP
pH (SU)	10.00	10.00	28.44	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	100		
	800	799		
	10	10.0		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/12/2025

Calibrated By: Jake Swanson

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	606688
Turbidity Meter	HACH 2100Q	214059

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 7:10		**Time Finish: 7:20**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.86	± 0.1	GWMP
pH (SU)	7.00	7.00	25.20	± 0.1	GWMP
pH (SU)	10.00	10.00	24.89	± 0.1	GWMP
D.O. (%)	N/A	100.00	28.44	± 10%	NA
ORP (mV)	240.0	240.0	25.14	± 10	EPA 2024

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.7	± 10% of standard	EPA 2023
	100	99.7		
	800	800		
	10	10.1		

Calibration Check					
Time Start: 13:00		**Time Finish: 13:15**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.86	± 0.1	GWMP
pH (SU)	7.00	7.00	25.20	± 0.1	GWMP
pH (SU)	10.00	10.00	24.89	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	99.6		
	800	797		
	10	10.1		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/13/2025

Calibrated By: Perry Studebaker

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	872584
Turbidity Meter	HACH 2100Q	214048

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 7:05		**Time Finish: 7:30**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.05	± 0.1	GWMP
pH (SU)	7.00	7.00	24.04	± 0.1	GWMP
pH (SU)	10.00	10.00	24.06	± 0.1	GWMP
D.O. (%)	N/A	100.00	24.03	± 10%	NA
ORP (mV)	240.0	240.0	24.07	± 10	EPA 2024

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	99.7		
	800	806		
	10	9.81		

Calibration Check					
Time Start: 12:45		**Time Finish: 13:15**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	26.69	± 0.1	GWMP
pH (SU)	7.00	7.00	26.10	± 0.1	GWMP
pH (SU)	10.00	10.00	25.78	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.8	± 10% of standard	EPA 2023
	100	103		
	800	800		
	10	10.1		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/13/2025

Calibrated By: Jake Swanson

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	606688
Turbidity Meter	HACH 2100Q	214059

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 7:00		**Time Finish: 7:28**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.98	± 0.1	GWMP
pH (SU)	7.00	7.00	24.14	± 0.1	GWMP
pH (SU)	10.00	10.00	24.22	± 0.1	GWMP
D.O. (%)	N/A	100.00	26.18	± 10%	NA
ORP (mV)	240.0	240.0	24.62	± 10	EPA 2024

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.4	± 10% of standard	EPA 2023
	100	101		
	800	808		
	10	9.94		

Calibration Check					
Time Start: 14:00		**Time Finish: 14:35**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	23.21	± 0.1	GWMP
pH (SU)	7.00	7.00	22.57	± 0.1	GWMP
pH (SU)	10.00	10.00	22.59	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.7	± 10% of standard	EPA 2023
	100	102		
	800	797		
	10	9.99		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/13/2025

Calibrated By: David Prouty

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	663620
Turbidity Meter	HACH 2100Q	1909C079586

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 5:30			**Time Finish: 6:10**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	21.55	± 0.1	GWMP
pH (SU)	7.00	7.00	21.63	± 0.1	GWMP
pH (SU)	10.00	10.00	21.74	± 0.1	GWMP
D.O. (%)	N/A	100.00	21.36	± 10%	NA
ORP (mV)	240.0	240.0	21.74	± 10	EPA 2024

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	100		
	800	798		
	10	10.0		

Calibration Check					
Time Start:			**Time Finish:**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	N/A	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	N/A	± 0.1	GWMP
pH (SU)	7.00	7.00	N/A	± 0.1	GWMP
pH (SU)	10.00	10.00	N/A	± 0.1	GWMP

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

Notes:
Aquatroll 600 was unable to be calibrated at 14:43. No further samples collected.

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/13/2025

Calibrated By: Jessica Ware

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	867232
Turbidity Meter	HACH 2100Q	1708CC060127

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 7:05		**Time Finish: 7:28**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	25.25	± 0.1	GWMP
pH (SU)	7.00	7.00	25.26	± 0.1	GWMP
pH (SU)	10.00	10.00	25.53	± 0.1	GWMP
D.O. (%)	N/A	100.00	25.50	± 10%	NA
ORP (mV)	240.0	240.0	24.97	± 10	EPA 2024

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.4	± 10% of standard	EPA 2023
	100	104		
	800	824		
	10	9.65		

Calibration Check					
Time Start: 12:58		**Time Finish: 13:10**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	27.82	± 0.1	GWMP
pH (SU)	7.00	7.00	27.52	± 0.1	GWMP
pH (SU)	10.00	10.00	27.71	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.4	± 10% of standard	EPA 2023
	100	97.8		
	800	793		
	10	9.92		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/14/2025

Calibrated By: Perry Studebaker

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	872584
Turbidity Meter	HACH 2100Q	214048

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 7:00		**Time Finish: 8:00**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	24.27	± 0.1	GWMP
pH (SU)	7.00	7.00	24.23	± 0.1	GWMP
pH (SU)	10.00	10.00	24.18	± 0.1	GWMP
D.O. (%)	N/A	100.00	23.39	± 10%	NA
ORP (mV)	240.0	240.0	24.08	± 10	EPA 2024

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.5	± 10% of standard	EPA 2023
	100	101		
	800	794		
	10	9.87		

Calibration Check					
Time Start: 12:30		**Time Finish: 12:55**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	26.66	± 0.1	GWMP
pH (SU)	7.00	7.00	26.00	± 0.1	GWMP
pH (SU)	10.00	10.00	25.75	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.8	± 10% of standard	EPA 2023
	100	98.7		
	800	804		
	10	10.1		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/14/2025

Calibrated By: Jessica Ware

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	867232
Turbidity Meter	HACH 2100Q	1708CC060127

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 7:15			**Time Finish: 7:55**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	25.87	± 0.1	GWMP
pH (SU)	7.00	7.00	25.75	± 0.1	GWMP
pH (SU)	10.00	10.00	25.52	± 0.1	GWMP
D.O. (%)	N/A	100.00	25.44	± 10%	NA
ORP (mV)	240.0	240.0	25.48	± 10	EPA 2024

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	95.1		
	800	800		
	10	9.93		

Calibration Check					
Time Start: 13:50			**Time Finish: 14:08**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	27.81	± 0.1	GWMP
pH (SU)	7.00	7.00	28.04	± 0.1	GWMP
pH (SU)	10.00	10.00	28.12	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	97.2		
	800	803		
	10	9.79		

Notes:

Field Instrumentation Calibration Form

Site Name: Plant Yates

Date: 8/14/2025

Calibrated By: David Prouty

Field Conditions: Partly Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 600	606688
Turbidity Meter	HACH 2100Q	1909C079586

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	1,413	5GA0308	Jan-26	PINE
pH (SU)	4.00	5GA0865	Jan-27	PINE
pH (SU)	7.00	4GL1064	Dec-26	PINE
pH (SU)	10.00	4GG1192	Jul-26	PINE
D.O. (%)	N/A	N/A	N/A	N/A
ORP (mV)	240.0	5GE0627	Feb-26	PINE

Calibration					
Time Start: 5:30			**Time Finish: 6:15**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	21.87	± 0.1	GWMP
pH (SU)	7.00	7.00	21.93	± 0.1	GWMP
pH (SU)	10.00	10.00	22.21	± 0.1	GWMP
D.O. (%)	N/A	100.00	21.69	± 10%	NA
ORP (mV)	240.0	232.5	22.44	± 10	EPA 2024

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	101		
	800	799		
	10	10.1		

Calibration Check					
Time Start: 13:15			**Time Finish: 13:45**		
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	1,413	1,413	25.00	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	26.81	± 0.1	GWMP
pH (SU)	7.00	7.00	27.48	± 0.1	GWMP
pH (SU)	10.00	10.00	26.97	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	101		
	800	798		
	10	10.0		

Notes:

Groundwater Sampling Form

Location ID:	YGWC-46A	**Date(s):**	2025-08-13	**Work Order(s):**		Semiannual GWM August 2025 - AP-1	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-1
Weather:	CLOUDS, T:77.86 °F, rH:95%, Clouds: 96%, Wind:6.35mph E			**Field Technician:**		Perry Studebaker	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	58-68	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	39.27	**Total Depth (ft-bmp):**	70.79	**Water Column(ft):**	31.52	**Liters in Well:**	19.47
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	74	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	10:40	**Total Volume Purged (liters):**	5.25	**Sample ID:**	YAT-YGWC-46A	**Sample Time:**	11:15
Purge End Time:	11:15	**Well Volumes Purged (total):**	0.27	**Replicate Type / Replicate**	**Duplicate** / YAT-AP1-FD-1	**Water Quality Meter/ ID:**	Hach 2100-Q / 872584 and 214048
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
10:40	0	150	mL/min	39.39	6.84	1251.85	1.32	3.48	22.98	0.55
10:45	5	150	mL/min	40.83	7.32	1427.73	1.81	0.86	22.02	-40.44
10:50	10	150	mL/min	41.31	7.39	1458.94	0.82	0.45	21.89	-77.37
10:55	15	150	mL/min	41.71	7.34	1436.24	1.30	0.29	21.81	-80.27
11:00	20	150	mL/min	42.08	7.22	1398.63	0.57	0.31	21.85	-66.47
11:05	25	150	mL/min	42.35	7.14	1364.67	1.07	0.31	21.81	-55.92
11:10	30	150	mL/min	42.43	7.1	1349.19	0.56	0.36	22.51	-52.7
11:15	35	150	mL/min	42.43	7.05	1317.65	0.41	0.24	22.69	-47.59

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	2	250 mL	None
GenChem (SM2540C)	HDPE Plastic	2	500 mL	None
Metals (SW6020)	HDPE Plastic	4	250 mL	HNO3
Radio (Other)	HDPE Plastic	4	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Groundwater Sampling Form

Location ID:	YGWC-45	**Date(s):**	2025-08-13	**Work Order(s):**		Semiannual GWM August 2025 - AP-1	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-1
Weather:	CLOUDS, T:76.15 °F, rH:97%, Clouds: 100%, Wind:6.62mph E			**Field Technician:**		Perry Studebaker	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	62.86-72.86	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	22.7	**Total Depth (ft-bmp):**	73.8	**Water Column(ft):**	51.1	**Liters in Well:**	31.57
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	69	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	08:50	**Total Volume Purged (liters):**	8	**Sample ID:**	YAT-YGWC-45	**Sample Time:**	09:30
Purge End Time:	09:30	**Well Volumes Purged (total):**	0.25	**Replicate Type / Replicate**	N/A	**Water Quality Meter/ ID:**	Hach 2100-Q / 872584 and 214048
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
8:50	0	200	mL/min	22.73	6.97	597.93	4.24	4.94	21.96	109.17
8:55	5	200	mL/min	24.28	6.46	564.24	34.9	0.68	20.63	41.56
9:00	10	200	mL/min	24.69	6.53	580.18	27.6	0.49	20.48	52.11
9:05	15	200	mL/min	25.10	6.62	594.04	11.9	0.45	20.42	53.66
9:10	20	200	mL/min	25.42	6.66	602.26	6.86	0.40	20.46	50.83
9:15	25	200	mL/min	25.63	6.71	610.21	5.66	0.37	20.39	49.78
9:20	30	200	mL/min	25.79	6.73	614.85	4.32	0.33	20.39	46.75
9:25	35	200	mL/min	25.90	6.75	619.93	2.89	0.35	20.5	43.48
9:30	40	200	mL/min	25.98	6.77	629.2	3.26	0.32	20.52	41.37

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: Large wasp nest in well lid, Southern company sprayed and Arcadis removed

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments: Well shroud completely full of wasp, killed with spray and removed nest

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWC-44	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 - AP-1	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-1
Weather:	CLOUDS, T:75.29 °F, rH:98%, Clouds: 100%, Wind:6.22mph E-NE			**Field Technician:**		Perry Studebaker	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	78.35-88.35	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	49.83	**Total Depth (ft-bmp):**	88.35	**Water Column(ft):**	38.52	**Liters in Well:**	23.8
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	83	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	15:50	**Total Volume Purged (liters):**	6.75	**Sample ID:**	YAT-YGWC-44	**Sample Time:**	16:35
Purge End Time:	16:35	**Well Volumes Purged (total):**	0.28	**Replicate Type / Replicate**	**Equipment Blank** / YAT-AP1-EB-1	**Water Quality Meter/ ID:**	Hach 2100-Q / 872584 and 214048
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
15:50	0	150	mL/min	49.83	6.92	445.47	2.81	6.86	32.42	110.53
15:55	5	150	mL/min	51.18	6.00	417.81	1.09	1.67	24.26	7.57
16:00	10	150	mL/min	51.96	5.96	419.43	0.97	0.60	23.59	35.73
16:05	15	150	mL/min	52.53	5.96	419.56	0.45	0.44	23.53	52.71
16:10	20	150	mL/min	53.01	5.96	418.64	0.42	0.32	22.89	62.67
16:15	25	150	mL/min	53.37	5.95	418.35	0.73	0.29	22.6	67.46
16:20	30	150	mL/min	53.67	5.94	419.03	0.59	0.28	22.56	71.43
16:25	35	150	mL/min	53.88	5.93	418.22	0.45	0.30	22.57	75.56
16:30	40	150	mL/min	54.03	5.94	419.43	0.36	0.29	22.37	77.89
16:35	45	150	mL/min	54.16	5.94	418.26	0.53	0.29	22.25	84.03

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Groundwater Sampling Form

Location ID:	YGWC-52	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 - AP-1	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-1
Weather:	CLOUDS, T:75.29 °F, rH:98%, Clouds: 100%, Wind:6.22mph E-NE			**Field Technician:**		Perry Studebaker	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	66.26-76.26	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	37.42	**Total Depth (ft-bmp):**	79.22	**Water Column(ft):**	41.8	**Liters in Well:**	25.82
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	65	**Purge Method:**	Low Flow	**Purging Equipment:**	Bladder Pump
Purge Start Time:	14:00	**Total Volume Purged (liters):**	6	**Sample ID:**	YAT-YGWC-52	**Sample Time:**	14:30
Purge End Time:	14:30	**Well Volumes Purged (total):**	0.23	**Replicate Type / Replicate**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 872584 and 214048
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
14:00	0	200	mL/min	37.51	6.02	0.05	1.61	6.64	35.17	136.33
14:05	5	200	mL/min	37.97	5.62	0	1.13	7.6	27.35	145.3
14:10	10	200	mL/min	37.97	5.58	0	0.44	7.86	25.09	148.19
14:15	15	200	mL/min	37.97	5.65	0	0.66	8.09	24.1	150.22
14:20	20	200	mL/min	37.97	6.05	300.39	0.81	2.44	20.94	119.91
14:25	25	200	mL/min	37.97	6.04	304.57	0.38	2.38	20.51	116.06
14:30	30	200	mL/min	37.97	6.06	305.02	0.42	2.43	20.29	112.64

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: Issue with aqua troll set up interfered with first few parameter readings.

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

August 2025 Well Inspection Results
AP-1 Well Locations
Plant Yates

Well ID	Location/Identification				Protective Casing				
	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
PZ-10S	Y	Y	N	Y	Y	Y	Y	Y	Y
PZ-10I	Y	Y	N	Y	Y	Y	Y	Y	Y
PZ-9S	Y	Y	N	Y	Y	Y	Y	Y	Y
PZ-9I	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWC-45	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWC-46A	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWC-44	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWC-52	Y	Y	N	Y	Y	Y	Y	Y	Y
PZ-53	Y	Y	N	Y	Y	Y	Y	Y	Y

August 2025 Well Inspection Results
AP-1 Well Locations
Plant Yates

Well ID	Surface Pad			Internal Casing			Observation / Corrective actions as needed, by date:
	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	
PZ-10S	Y	Y	Y	Y	Y	Y	
PZ-10I	Y	Y	Y	Y	Y	Y	
PZ-9S	Y	Y	Y	Y	Y	Y	
PZ-9I	Y	Y	Y	Y	Y	Y	
YGWC-45	Y	Y	Y	Y	Y	Y	Wasp nest inside cap
YGWC-46A	Y	Y	Y	Y	Y	Y	
YGWC-44	Y	Y	Y	Y	Y	Y	
YGWC-52	Y	Y	Y	Y	Y	Y	
PZ-53	Y	Y	Y	Y	Y	Y	

Upgradient Wells

Gauging Log

Client:	Georgia Power	**Date(s):**	8/11/2025
Facility:	Plant Yates	**Work Order(s):**	Semiannual GWM August 2025 AP-2
Facility Location:	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-2
Equipment:	Water Level Meter		
Field Technician:	Jessica Ware, Perry Studebaker		

								Well Head Readings						
Location	**Area**	**Date**	**Time**	**Scope of Work Completed?**	**Depth to Water (ft bmp)**	**Total Depth (ft bmp)**	**Depth to Product (ft bmp)**	**CH^4 (ppmv)**	**FID (ppmv)**	**H_2S (ppmv)**	**O_2 (ppmv)**	**OVM (ppmv)**	**PID (ppmv)**	**Comments**
YGWA-1D	AP-2	08-11-2025	13:59	Yes	49.38	--	--	--	--	--	--	--	--	
YGWA-1I	AP-2	08-11-2025	14:04	Yes	37.14	--	--	--	--	--	--	--	--	
YGWA-2I	AP-2	08-11-2025	13:54	Yes	44.80	--	--	--	--	--	--	--	--	
YGWA-3D	AP-2	08-11-2025	09:51	Yes	32.00	--	--	--	--	--	--	--	--	
YGWA-3I	AP-2	08-11-2025	09:50	Yes	52.54	--	--	--	--	--	--	--	--	
YGWA-4I	AMA AP-3, A, B and B	08-11-2025	11:39	Yes	23.63	--	--	--	--	--	--	--	--	
YGWA-5D	AMA AP-3, A, B and B	08-11-2025	11:30	Yes	20.40	--	--	--	--	--	--	--	--	
YGWA-5I	AMA AP-3, A, B and B	08-11-2025	11:29	Yes	19.75	--	--	--	--	--	--	--	--	
YGWA-14S	AP-2	08-11-2025	13:27	Yes	15.77	--	--	--	--	--	--	--	--	
YGWA-17S	AMA AP-3, A, B and B	08-11-2025	12:44	Yes	14.09	--	--	--	--	--	--	--	--	
YGWA-18I	AMA AP-3, A, B and B	08-11-2025	12:51	Yes	24.87	--	--	--	--	--	--	--	--	
YGWA-18S	AMA AP-3, A, B and B	08-11-2025	12:49	Yes	21.53	--	--	--	--	--	--	--	--	
YGWA-20S	AMA AP-3, A, B and B	08-11-2025	12:03	Yes	12.06	--	--	--	--	--	--	--	--	
YGWA-21I	AMA AP-3, A, B and B	08-11-2025	12:13	Yes	32.62	--	--	--	--	--	--	--	--	
YGWA-30I	AP-2	08-11-2025	13:42	Yes	40.62	--	--	--	--	--	--	--	--	
YGWA-39	AMA R6 CCR Landfill	08-11-2025	13:26	Yes	21.15	--	--	--	--	--	--	--	--	
YGWA-40	AMA R6 CCR Landfill	08-11-2025	13:48	Yes	25.82	--	--	--	--	--	--	--	--	
YGWA-47	AP-1	08-11-2025	09:55	Yes	33.73	--	--	--	--	--	--	--	--	

ft-bmp = feet below measuring point
ppmV = parts per million by volume
-- = Not applicable based on fields selected as \"None\"

Groundwater Sampling Form

Location ID:	YGWA-18S	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AMA and AMA R6	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AMA AP-3, A, B and B
Weather:	CLOUDS, T:79.54 °F, rH:90%, Clouds: 95%, Wind:7.56mph E			**Field Technician:**		Jake Swanson	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	26.7-36.7	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	21.53	**Total Depth (ft-bmp):**	39.97	**Water Column(ft):**	18.44	**Liters in Well:**	11.39
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	35	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	09:52	**Total Volume Purged (liters):**	5	**Sample ID:**	YAT-YGWA-18S	**Sample Time:**	10:25
Purge End Time:	10:17	**Well Volumes Purged (total):**	0.44	**Replicate Type / Replicate ID:**	**Duplicate** / YAT-UGRD-FD-2	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 606688, 214059
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
9:52	0	200	mL/min	21.56	6.03	53.61	6.42	7.69	21.33	142.68
9:57	5	200	mL/min	22.98	5.12	54.48	1.47	3.68	18.12	165.77
10:02	10	200	mL/min	23.24	5.10	54.25	0.99	3.15	18.00	171.88
10:07	15	200	mL/min	23.33	5.14	54.02	1.18	3.10	17.83	173.66
10:12	20	200	mL/min	23.38	5.18	54.18	0.88	3.14	17.86	175.59
10:17	25	200	mL/min	23.42	5.21	54.44	0.91	3.18	17.82	177.23

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	2	250 mL	None
GenChem (SM2540C)	HDPE Plastic	2	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	4	250 mL	HNO3
Radio (Other)	HDPE Plastic	4	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-1I	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AP-2	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-2
Weather:	CLOUDS, T:82.35 °F, rH:81%, Clouds: 95%, Wind:7.81mph E			**Field Technician:**		Perry Studebaker	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	41.3-51.3	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	37.14	**Total Depth (ft-bmp):**	53.6	**Water Column(ft):**	16.46	**Liters in Well:**	10.17
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	49	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	09:15	**Total Volume Purged (liters):**	5	**Sample ID:**	YAT-YGWA-1I	**Sample Time:**	10:05
Purge End Time:	10:05	**Well Volumes Purged (total):**	0.49	**Replicate Type / Replicate ID:**	**Duplicate** / YAT-UGRD-FD-1 **Equipment Blank** / YAT-UGRD-EB-1	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 872584 and 214048
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
9:15	0	100	mL/min	38.37	6.4	71.16	2.03	3.18	20.05	72.15
9:20	5	100	mL/min	38.70	6.24	64.93	3.24	2.59	19.78	86.12
9:25	10	100	mL/min	38.91	6.27	62.43	2.94	2.73	20.04	96.51
9:30	15	100	mL/min	39.21	6.26	59.28	2.22	2.23	19.67	101.8
9:35	20	100	mL/min	39.47	6.24	55.4	1.72	2.66	19.59	99.45
9:40	25	100	mL/min	39.67	6.22	51.44	1.85	3.56	19.55	102.69
9:45	30	100	mL/min	39.86	6.22	49.24	1.23	4.20	19.46	103.06
9:50	35	100	mL/min	40.02	6.2	47.47	1.27	4.68	19.5	102.76
9:55	40	100	mL/min	40.14	6.19	46.03	1.03	5.03	19.52	101.4
10:00	45	100	mL/min	40.27	6.18	45.22	1.28	5.31	19.53	102.08
10:05	50	100	mL/min	40.39	6.17	44.77	1.13	5.50	19.41	102.04

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	2	250 mL	None
GenChem (SM2540C)	HDPE Plastic	2	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	4	250 mL	HNO3
Radio (Other)	HDPE Plastic	4	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-2I	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AP-2	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-2
Weather:	CLOUDS, T:82.33 °F, rH:80%, Clouds: 95%, Wind:7.81mph E			**Field Technician:**		David Prouty	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	53.45-802.8	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	44.8	**Total Depth (ft-bmp):**	63.75	**Water Column(ft):**	16.7	**Liters in Well:**	10.32
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	60	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	13:05	**Total Volume Purged (liters):**	2.5	**Sample ID:**	YAT-YGWA-2I	**Sample Time:**	13:40
Purge End Time:	14:37	**Well Volumes Purged (total):**	0.24	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 663620/19090C079586
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
13:05	0	100	mL/min	45.06	7.37	221.27	2.88	8.47	23.76	200.44
13:10	5	100	mL/min	45.44	7.05	215.01	1.74	4.13	20.98	71.61
13:15	10	100	mL/min	46.11	7.02	219.86	1.37	1.45	20.33	3.71
13:20	15	100	mL/min	46.67	6.98	222.11	1.54	1.01	20.65	-13.4
13:25	20	100	mL/min	47.44	6.96	219.19	1.79	0.99	19.86	-10.7
13:30	25	100	mL/min	47.92	6.93	215.64	2.04	1.20	19.76	-1.30

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-3I	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AP-2	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-2
Weather:	MIST, T:74.62 °F, rH:96%, Clouds: 100%, Wind:5.75mph E			**Field Technician:**		David Prouty	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	48.85-737.7	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	52.54	**Total Depth (ft-bmp):**	59.05	**Water Column(ft):**	3.96	**Liters in Well:**	2.45
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	54	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	15:25	**Total Volume Purged (liters):**	2	**Sample ID:**	YAT-YGWA-3I	**Sample Time:**	15:50
Purge End Time:	16:28	**Well Volumes Purged (total):**	0.82	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q /
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
15:25	0	100	mL/min	52.78	7.57	189.23	1.48	8.44	24.76	69.14
15:30	5	100	mL/min	52.81	7.52	242.55	1.21	4.43	22.13	74.81
15:35	10	100	mL/min	52.85	7.49	265.19	0.83	2.44	21.67	77.39
15:40	15	100	mL/min	52.85	7.47	264.08	0.88	2.26	21.53	76.17
15:45	20	100	mL/min	52.85	7.46	259.31	0.64	1.96	21.64	58.76

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-5I	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AMA and AMA R6	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AMA AP-3, A, B and B
Weather:	CLOUDS, T:77.2 °F, rH:92%, Clouds: 100%, Wind:8.05mph SE			**Field Technician:**		Jessica Ware	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	46.2-56.2	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	19.75	**Total Depth (ft-bmp):**	58.94	**Water Column(ft):**	39.19	**Liters in Well:**	24.21
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	53	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	09:11	**Total Volume Purged (liters):**	4	**Sample ID:**	YAT-YGWA-5I	**Sample Time:**	09:32
Purge End Time:	09:31	**Well Volumes Purged (total):**	0.17	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 867232/1708CC060127
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
9:11	0	200	mL/min	20.04	6.55	169.33	1.01	7.19	25.67	210.20
9:16	5	200	mL/min	20.18	5.41	93.54	0.35	5.66	18.87	228.96
9:21	10	200	mL/min	20.21	5.38	93.94	0.53	5.62	18.57	231.04
9:26	15	200	mL/min	20.15	5.44	93.94	0.51	5.58	18.51	227.81
9:31	20	200	mL/min	20.19	5.39	94.01	0.49	5.52	18.62	230.63

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-5D	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AMA and AMA R6	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AMA AP-3, A, B and B
Weather:	CLOUDS, T:77.2 °F, rH:92%, Clouds: 100%, Wind:8.05mph SE			**Field Technician:**		Jessica Ware	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	76.2-126.2	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	20.4	**Total Depth (ft-bmp):**	129.13	**Water Column(ft):**	108.73	**Liters in Well:**	67.17
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	124	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	09:57	**Total Volume Purged (liters):**	5	**Sample ID:**	YAT-YGWA-5D	**Sample Time:**	10:19
Purge End Time:	10:18	**Well Volumes Purged (total):**	0.07	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 867232/1708CC060127
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
9:57	0	250	mL/min	21.06	6.47	214.85	4.40	8.05	22.42	211.50
10:02	5	250	mL/min	21.33	7.20	214.82	1.30	0.48	18.74	-65.31
10:07	10	250	mL/min	21.25	7.35	221.79	2.05	0.28	18.86	-97.83
10:12	15	250	mL/min	21.22	7.43	218.53	0.71	0.22	18.85	-115.39
10:17	20	250	mL/min	21.26	7.40	215.98	0.89	0.20	18.82	-122.70

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-40	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AMA and AMA R6	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AMA R6 CCR Landfill
Weather:	CLOUDS, T:81.25 °F, rH:80%, Clouds: 100%, Wind:6.91mph E-SE			**Field Technician:**		Jessica Ware	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	35.5-45.5	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	25.82	**Total Depth (ft-bmp):**	48.23	**Water Column(ft):**	22.41	**Liters in Well:**	13.84
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	42	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	13:55	**Total Volume Purged (liters):**	5	**Sample ID:**	YAT-YGWA-40	**Sample Time:**	14:20
Purge End Time:	14:19	**Well Volumes Purged (total):**	0.36	**Replicate Type / Replicate ID:**	**Equipment Blank** / YAT-UGRD-EB-2	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 867232/1708CC060127
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
13:51	0	200	mL/min	26.68	5.37	107.72	2.20	5.21	24.01	146.77
13:56	5	200	mL/min	26.68	5.07	88.21	1.81	0.13	19.63	204.82
14:01	10	200	mL/min	26.77	5.05	87.10	0.54	0.09	19.27	330.39
14:06	15	200	mL/min	26.80	5.04	86.98	0.42	0.07	19.06	443.32
14:11	20	200	mL/min	26.82	5.03	87.32	0.24	0.06	19.08	518.2
14:16	25	200	mL/min	26.85	4.97	87.31	0.22	0.05	18.93	561.19

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-47	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 - AP-1	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-1
Weather:	CLOUDS, T:74.84 °F, rH:96%, Clouds: 100%, Wind:6.22mph E-NE			**Field Technician:**		Perry Studebaker	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	46-56	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	33.73	**Total Depth (ft-bmp):**	59.19	**Water Column(ft):**	25.46	**Liters in Well:**	15.73
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	54	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	11:45	**Total Volume Purged (liters):**	4	**Sample ID:**	YAT-YGWA-47	**Sample Time:**	12:05
Purge End Time:	12:05	**Well Volumes Purged (total):**	0.25	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Hach 2100-Q / 872584 and 214048
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
11:45	0	200	mL/min	34.31	5.72	203.55	2.11	3.65	20.85	128.38
11:50	5	200	mL/min	34.34	5.70	205.27	1.62	2.90	20.13	123.9
11:55	10	200	mL/min	34.34	5.68	206.25	1.26	2.59	20.11	121.52
12:00	15	200	mL/min	34.34	5.67	206.76	0.86	2.47	20.11	120.16
12:05	20	200	mL/min	34.34	5.66	206.74	1.23	2.39	20.01	119.21

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: Took field blank (YAT-AP1-FB-1) at 1300 after well was sampled.

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments: Good condition

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-21I	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AMA and AMA R6	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AMA AP-3, A, B and B
Weather:	CLOUDS, T:78.93 °F, rH:90%, Clouds: 100%, Wind:8.05mph SE			**Field Technician:**		Jake Swanson	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	66.7-76.7	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	32.62	**Total Depth (ft-bmp):**	79.9	**Water Column(ft):**	47.28	**Liters in Well:**	29.21
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	75	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	13:36	**Total Volume Purged (liters):**	7	**Sample ID:**	YAT-YGWA-21I	**Sample Time:**	14:45
Purge End Time:	14:31	**Well Volumes Purged (total):**	0.24	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 606688,214059
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
13:36	0	200	mL/min	32.65	7.26	130.77	3.13	7.73	23.45	185.24
13:41	5	200	mL/min	36.07	6.57	158.55	1.24	0.42	19.38	-56.74
13:46	10	150	mL/min	37.80	6.35	137.16	0.86	0.18	19.04	-52.91
13:51	15	150	mL/min	39.07	6.30	132.73	0.77	0.13	19.53	-64.31
13:56	20	100	mL/min	40.21	6.31	130.85	0.79	0.12	19.77	-77.94
14:01	25	100	mL/min	40.82	6.34	129.76	0.84	0.14	20.73	-91.47
14:06	30	100	mL/min	41.61	6.48	130.22	0.75	0.14	20.93	-107.12
14:11	35	100	mL/min	41.78	6.60	133.84	0.85	0.18	22.32	-110.40
14:16	40	100	mL/min	41.88	6.63	132.91	0.80	0.19	22.13	-116.12
14:21	45	100	mL/min	41.99	6.67	137.86	0.82	0.20	21.99	-116.26
14:26	50	100	mL/min	42.18	6.71	140.41	0.76	0.23	21.87	-113.29
14:31	55	100	mL/min	42.26	6.71	139.79	0.92	0.24	21.79	-110.92

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-17S	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AMA and AMA R6	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AMA AP-3, A, B and B
Weather:	CLOUDS, T:79.45 °F, rH:88%, Clouds: 95%, Wind:1.01mph E-SE			**Field Technician:**		Jake Swanson	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	27-37	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	14.09	**Total Depth (ft-bmp):**	39.85	**Water Column(ft):**	25.76	**Liters in Well:**	15.91
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	35	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	08:45	**Total Volume Purged (liters):**	3.75	**Sample ID:**	YAT-YGWA-17S	**Sample Time:**	09:20
Purge End Time:	09:10	**Well Volumes Purged (total):**	0.24	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 606688 ,241059
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
8:45	0	150	mL/min	14.11	5.63	110.66	1.82	4.86	19.79	184.93
8:50	5	150	mL/min	14.65	5.29	101.80	0.73	2.60	18.68	184.03
8:55	10	150	mL/min	14.67	5.26	102.30	0.65	2.31	18.54	181.84
9:00	15	150	mL/min	14.67	5.27	102.20	0.88	2.26	18.53	180.77
9:05	20	150	mL/min	14.67	5.31	102.40	0.81	2.26	18.62	177.15
9:10	25	150	mL/min	14.67	5.36	102.78	1.35	2.27	18.6	170.83

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-30I	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AP-2	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-2
Weather:	CLOUDS, T:81.43 °F, rH:81%, Clouds: 94%, Wind:7.83mph E			**Field Technician:**		David Prouty	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	49.18-703.4	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	40.62	**Total Depth (ft-bmp):**	59.48	**Water Column(ft):**	16.38	**Liters in Well:**	10.12
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	55	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	11:07	**Total Volume Purged (liters):**	2	**Sample ID:**	YAT-YGWA-30I	**Sample Time:**	11:30
Purge End Time:	12:03	**Well Volumes Purged (total):**	0.20	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 663620/19090C079586
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
11:07	0	100	mL/min	40.67	6.68	51.44	0.63	8.18	25.60	34.95
11:12	5	100	mL/min	40.68	5.81	45.72	0.51	7.81	23.43	78.39
11:17	10	100	mL/min	40.68	5.63	45.49	0.46	7.57	22.71	96.73
11:22	15	100	mL/min	40.68	5.62	45.40	0.28	7.45	22.69	101.91
11:27	20	100	mL/min	40.68	5.68	45.39	0.31	7.39	23.04	105.10

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-3D	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AP-2	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-2
Weather:	MIST, T:74.62 °F, rH:96%, Clouds: 100%, Wind:5.75mph E			**Field Technician:**		David Prouty	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	83.88-662.9	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	32	**Total Depth (ft-bmp):**	134.18	**Water Column(ft):**	99.5	**Liters in Well:**	61.47
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	113	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	04:33	**Total Volume Purged (liters):**	4.4	**Sample ID:**	YAT-YGWA-3D	**Sample Time:**	17:20
Purge End Time:	18:19	**Well Volumes Purged (total):**	0.07	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 663620/19090C079586
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
16:33	0	110	mL/min	32.12	7.8	223.31	0.76	8.22	29.06	93.86
16:38	5	110	mL/min	32.12	6.94	219.33	0.60	3.17	25.20	1.10
16:43	10	110	mL/min	32.12	6.99	218.67	0.61	1.08	23.39	-54.85
16:48	15	110	mL/min	32.12	7.17	219.22	0.46	0.62	22.67	-69.48
16:53	20	110	mL/min	32.12	7.40	219.26	0.57	0.41	22.15	-79.15
16:58	25	110	mL/min	32.12	7.51	218.94	0.33	0.34	22.03	-84.20
17:03	30	110	mL/min	32.12	7.58	218.95	0.21	0.28	21.73	-88.09
17:08	35	110	mL/min	32.12	7.62	218.74	0.58	0.24	21.04	-91.67
17:13	40	110	mL/min	32.12	7.64	218.89	0.96	0.23	20.70	-95.40

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-39	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AMA and AMA R6	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AMA R6 CCR Landfill
Weather:	CLOUDS, T:81.86 °F, rH:80%, Clouds: 75%, Wind:8.05mph SE			**Field Technician:**		Jessica Ware	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	55.5-65.5	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	21.15	**Total Depth (ft-bmp):**	68.59	**Water Column(ft):**	47.44	**Liters in Well:**	29.31
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	63	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	12:55	**Total Volume Purged (liters):**	4	**Sample ID:**	YAT-YGWA-39	**Sample Time:**	13:18
Purge End Time:	13:17	**Well Volumes Purged (total):**	0.14	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 867232/1708CC060127
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
12:55	0	200	mL/min	21.48	7.16	348.88	1.33	6.28	29.62	151.09
13:00	5	200	mL/min	21.64	5.88	358.68	1.03	0.53	20.79	87.44
13:05	10	200	mL/min	21.69	5.85	363.74	1.14	0.20	20.21	73.08
13:10	15	200	mL/min	21.74	5.81	363.62	0.45	0.15	20.07	66.92
13:15	20	200	mL/min	21.76	5.79	359.32	0.72	0.14	20.24	65.70

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-20S	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AMA and AMA R6	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AMA AP-3, A, B and B
Weather:	CLOUDS, T:78.26 °F, rH:91%, Clouds: 100%, Wind:8.05mph SE			**Field Technician:**		Jake Swanson	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	16.7-26.7	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	12.06	**Total Depth (ft-bmp):**	29.52	**Water Column(ft):**	17.46	**Liters in Well:**	10.79
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	24.5	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	15:59	**Total Volume Purged (liters):**	4	**Sample ID:**	YAT-YGWA-20S	**Sample Time:**	16:35
Purge End Time:	16:24	**Well Volumes Purged (total):**	0.37	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 606688,214059
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
15:59	0	200	mL/min	12.06	6.35	56.67	14.9	6.43	21.54	43.71
16:04	5	150	mL/min	12.82	5.58	56.38	8.10	7.16	19.94	113.86
16:09	10	150	mL/min	12.85	5.56	56.3	5.73	7.19	19.39	129.32
16:14	15	150	mL/min	12.85	5.58	56.32	4.16	7.20	19.41	136.41
16:19	20	150	mL/min	12.85	5.58	56.33	3.02	7.21	19.34	142.78
16:24	25	150	mL/min	12.87	5.57	56.24	2.60	7.22	19.1	151.52

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: YAT-UGRD-FB-2 @ 1645

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-18I	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AMA and AMA R6	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AMA AP-3, A, B and B
Weather:	CLOUDS, T:79.54 °F, rH:90%, Clouds: 95%, Wind:7.56mph E			**Field Technician:**		Jake Swanson	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	67-77	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	24.87	**Total Depth (ft-bmp):**	79.97	**Water Column(ft):**	55.1	**Liters in Well:**	34.04
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	75	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	11:39	**Total Volume Purged (liters):**	6.336	**Sample ID:**	YAT-YGWA-18I	**Sample Time:**	12:25
Purge End Time:	12:12	**Well Volumes Purged (total):**	0.19	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 606688,214059
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
11:39	0	200	mL/min	24.90	6.70	107.45	2.87	7.02	20.36	139.27
11:44	5	200	mL/min	25.23	5.95	109.55	7.81	4.29	18.46	161.08
11:49	10	200	mL/min	25.31	5.91	109.54	8.33	4.28	18.11	165.73
11:51	11	200	mL/min	25.31	5.90	109.69	8.33	4.25	18.10	247.75
11:56	16	200	mL/min	25.35	5.90	109.15	6.69	4.21	17.88	200.26
12:01	21	200	mL/min	25.40	5.94	108.98	2.30	4.29	17.73	190.91
12:06	26	200	mL/min	25.44	5.98	109.11	2.64	4.38	17.75	185.36
12:11	31	200	mL/min	25.47	6.01	109.19	2.49	4.36	17.63	181.27

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
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mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-14S	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AP-2	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-2
Weather:	CLOUDS, T:82.06 °F, rH:81%, Clouds: 94%, Wind:7.49mph E			**Field Technician:**		David Prouty	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	24.66-714.1	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	15.77	**Total Depth (ft-bmp):**	34.96	**Water Column(ft):**	17.23	**Liters in Well:**	10.64
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	30	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	09:13	**Total Volume Purged (liters):**	2	**Sample ID:**	YAT-YGWA-14S	**Sample Time:**	09:37
Purge End Time:	10:42	**Well Volumes Purged (total):**	0.19	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 663620/19090C079586
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
9:13	0	100	mL/min	16.03	5.13	68.55	1.02	7.83	22.1	177.33
9:18	5	100	mL/min	16.03	5.25	67.72	0.46	7.87	21.75	165.67
9:23	10	100	mL/min	16.03	5.30	67.30	0.31	7.90	21.65	161.42
9:28	15	100	mL/min	16.03	5.33	67.25	0.35	7.86	21.69	160.22
9:33	20	100	mL/min	16.03	5.34	67.13	0.37	7.80	21.67	159.78

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
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NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-1D	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AP-2	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AP-2
Weather:	CLOUDS, T:82.35 °F, rH:81%, Clouds: 95%, Wind:7.81mph E			**Field Technician:**		Jessica Ware	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	76.5-126.5	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	49.38	**Total Depth (ft-bmp):**	128.85	**Water Column(ft):**	79.47	**Liters in Well:**	49.09
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	108	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	15:13	**Total Volume Purged (liters):**	7	**Sample ID:**	YAT-YGWA-1D	**Sample Time:**	15:52
Purge End Time:	15:51	**Well Volumes Purged (total):**	0.14	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 867232/1708CC060127
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
15:13	0	200	mL/min	49.42	6.36	143.43	6.39	7.53	21.07	242.08
15:18	5	200	mL/min	49.56	6.76	162.32	4.73	0.51	18.33	-39.65
15:23	10	200	mL/min	49.57	7.07	162.77	3.47	0.28	20.17	-71.5
15:28	15	200	mL/min	49.73	6.83	152.92	2.88	0.13	17.78	-59.56
15:33	20	200	mL/min	49.76	6.77	146.93	2.48	0.12	17.59	-41.98
15:38	25	200	mL/min	49.74	6.97	143.52	2.54	0.13	17.54	-39.09
15:43	30	200	mL/min	49.84	7.03	139.64	2.49	0.13	17.77	-38.65
15:48	35	200	mL/min	49.86	7.02	136.84	2.5	0.15	17.8	-44.75

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

Location ID:	YGWA-4I	**Date(s):**	2025-08-12	**Work Order(s):**		Semiannual GWM August 2025 AMA and AMA R6	
Client:	Georgia Power	**Facility:**	Plant Yates	**Facility Location:**	708 Dyer Rd, Newnan, GA, 30263, US	**Area:**	AMA AP-3, A, B and B
Weather:	CLOUDS, T:77.86 °F, rH:91%, Clouds: 100%, Wind:8.05mph SE			**Field Technician:**		Jessica Ware	
Measuring Pt. Description:	Top of Inner Casing	**Screen Setting (ft-bgs):**	36.2-46.2	**Casing Diameter (in):**	2	**Well Casing Material:**	PVC
Static Water Level (ft-bmp):	23.63	**Total Depth (ft-bmp):**	48.81	**Water Column(ft):**	25.18	**Liters in Well:**	15.56
Depth to Product (ft-bmp):	--	**Pump Intake Depth(ft-bmp):**	45	**Purge Method:**	Low Flow	**Purging Equipment:**	Dedicated Bladder
Purge Start Time:	11:00	**Total Volume Purged (liters):**	5.25	**Sample ID:**	YAT-YGWA-4I	**Sample Time:**	11:28
Purge End Time:	11:27	**Well Volumes Purged (total):**	0.34	**Replicate Type / Replicate ID:**	N/A	**Water Quality Meter/ ID:**	Aqua Troll 600 Sonde,Hach 2100-Q / 867232/1708CC060127
Scope of work completed?	Yes						

Time	Total Elapsed (min)	Flow Rate	Flow Rate Unit	Depth to Water (ft)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)
11:00	0	250	mL/min	23.86	6.44	138.29	0.30	5.58	18.66	121.73
11:05	5	200	mL/min	25.31	6.07	150.97	0.30	1.68	18.10	134.62
11:10	10	200	mL/min	25.58	6.06	151.09	0.28	1.60	17.93	139.17
11:15	15	200	mL/min	25.63	6.10	147.54	0.29	2.71	18.05	141.61
11:20	20	200	mL/min	25.67	6.01	146.95	0.31	2.60	17.93	150.24
11:25	25	200	mL/min	25.63	6.02	146.59	0.34	2.64	18.12	152.57

Constituent Sampled	Container	Number	Volume	Preservative
Anions (E300.0)	HDPE Plastic	1	250 mL	None
GenChem (SM2540C)	HDPE Plastic	1	500 mL	None
Metals (SW7470A),Metals (SW6020)	HDPE Plastic	2	250 mL	HNO3
Radio (Other)	HDPE Plastic	2	1 L	HNO3

Comments: None

Well Information:

Well Labeled Properly: yes

Is Well in Good Condition? good

Issues:

Well Inspection Comments:

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
uS/cm = microSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
S.U = standard units
mS/cm = milli

August 2025 Well Inspection Results
Upgradient Well Locations
Plant Yates

Well ID	Location/Identification				Protective Casing				
	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
YGWA-3I	Y	Y	Y	Y	Y	Y	Y	Y	Y
YGWA-3D	Y	Y	Y	Y	Y	Y	Y	Y	Y
YGWA-4I	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-5I	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-5D	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-21I	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-20S	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-17S	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-18I	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-18S	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-40	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-2I	Y	Y	N	Y	Y	Y	N	Y	Y
YGWA-1D	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-1I	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-30I	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-47	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-39	Y	Y	N	Y	Y	Y	Y	Y	Y
YGWA-14S	Y	Y	N	Y	Y	Y	Y	Y	Y

August 2025 Well Inspection Results
Upgradient Well Locations
Plant Yates

Well ID	Surface Pad			Internal Casing			Corrective actions as needed, by date:
	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	
YGWA-3I	Y	Y	Y	Y	Y	Y	Near logging activities.
YGWA-3D	Y	Y	Y	Y	Y	Y	Near logging activities.
YGWA-4I	Y	Y	Y	Y	Y	Y	
YGWA-5I	Y	Y	Y	Y	Y	Y	
YGWA-5D	Y	Y	Y	Y	Y	Y	
YGWA-21I	Y	Y	Y	Y	Y	Y	
YGWA-20S	Y	Y	Y	Y	Y	Y	
YGWA-17S	Y	Y	Y	Y	Y	Y	
YGWA-18I	Y	Y	Y	Y	Y	Y	
YGWA-18S	Y	Y	Y	Y	Y	Y	
YGWA-40	Y	Y	Y	Y	Y	Y	
YGWA-2I	Y	Y	Y	Y	Y	Y	
YGWA-1D	Y	Y	Y	Y	Y	Y	
YGWA-1I	Y	Y	Y	Y	Y	Y	
YGWA-30I	Y	Y	Y	Y	Y	Y	
YGWA-47	Y	Y	Y	Y	Y	Y	
YGWA-39	Y	Y	Y	Y	Y	Y	
YGWA-14S	Y	Y	Y	Y	Y	Y	

Appendix C

Statistical Analysis

Appendix III Statistically Significant Increase Summary (August 2025)

Appendix III Parameter	Monitoring Wells
Boron	YGWC-44, YGWC-45, YGWC-46A
Calcium	YGWC-45, YGWC-46A
Chloride	YGWC-46A
Sulfate	YGWC-45, YGWC-46A
Total Dissolved Solids	YGWC-45, YGWC-46A

GROUNDWATER STATS CONSULTING

February 27, 2026

Southern Company Services
Attn: Mr. Trey Singleton
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Yates Ash Pond 1 (AP-1)
August 2025 Sample Event Analysis

Dear Mr. Singleton,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the August 2025 semi-annual Groundwater Detection and Assessment Monitoring statistical analysis for Georgia Power Company's Plant Yates AP-1. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), 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).

Sampling for the Appendix III parameters began in 2016 at most wells. Semi-annual sampling of the majority of constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:**
  - **AP-1:** YGWA-47
  - **AP-2:** YGWA-1D, YGWA-1I, YGWA-2I, YGWA-3D, YGWA-3I, YGWA-14S and, YGWA-30I
  - **Gypsum Landfill:** GWA-2

    - **AMA-R6:** YGWA-17S, YGWA-18I, YGWA-18S, YGWA-20S, YGWA-21I, YGWA-39, YGWA-40, YGWA-4I, YGWA-5D, and YGWA-5I
  - **Downgradient wells:** YGWC-44, YGWC-45, YGWC-46A, and YGWC-52

Note that downgradient well YGWC-52 was installed in June 2020, and baseline sampling began in August 2020. Downgradient well YGWC-46 was abandoned in June 2020, and baseline sampling began at downgradient well YGWC-46A in July 2020 to supplement existing data in downgradient well YGWC-46. In the current analysis, reported observations from the August 2025 sample event at all downgradient wells are compared to interwell prediction limits for Appendix III constituents. Data from downgradient wells YGWC-46 and YGWC-46A were combined and are plotted under well YGWC-46A.

Confidence intervals have been used to evaluate the combined data from wells YGWC-46 and YGWC-46A for the Appendix IV constituents. When a minimum of 8 samples were collected from new well YGWC-46A, the Mann-Whitney test of medians was used to evaluate whether the medians of both wells were statistically different for Appendix IV constituents. In cases where statistically significant differences were identified at the 99% confidence level, the historical record was truncated so that only data from new well YGWC-46A, which may be more representative of present-day groundwater quality, are evaluated with confidence interval comparisons to respective Groundwater Protection Standards (GWPS). This process is described below.

All data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Senior Statistician and Founder of Groundwater Stats Consulting.

The CCR program consists of the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

  - **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
  - **Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix IV downgradient well/constituent pairs with 100% non-detects follows this letter. For all constituents, a substitution of the most recent reporting limit is used for non-detect data and this generally gives the most conservative limit in each case. For interwell prediction and

tolerance limits, a single reporting limit substitution is used across upgradient wells for a given parameter.

Combined upgradient well data from all units at Plant Yates are utilized to construct statistical limits for Appendix III and IV parameters. Although upgradient well GWA-2 is no longer sampled, data from this well represent groundwater quality upgradient of the facility and are, therefore, plotted on time series and box plots and used to construct interwell prediction limits and upper tolerance limits.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (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).

Summary of Statistical Methods – Appendix III and IV Parameters

Based on the April 2019 evaluation and state and federal regulatory requirements described below, the following methods were selected for Appendix III and IV constituents:

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- Appendix IV: Confidence intervals for antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

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 the parametric prediction limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric prediction 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 is 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 – Appendix III and IV Constituents - Conducted in April 2019

Outlier Analysis

For the original well network which consisted of upgradient well YGWA-47 and downgradient wells YGWC-44, YGWC-45, and YGWC-46, 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. All other upgradient well data from neighboring units were previously screened for outliers with their respective reports. Suspected outliers at all wells for Appendix III and IV 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. Tukey's test results followed the screening.

Using the Tukey box plot method, outliers were identified. 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.

The reported non-detect value of 0.01 mg/L for cobalt at well YGWC-45 and the detected value of 6.3 s.u. for pH at well YGWA-47 were flagged as outliers because the measurements were higher during a single event compared to all other values at neighboring wells. The high non-detect value for cobalt does not provide any useful information. 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 will display the flagged value in a lighter font as well.

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 Test Evaluation

While trends can be identified by visual inspection, a quantification of the trend and its statistical significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at upgradient well YGWA-47 and downgradient wells YGWC-44, YGWC-45, and YGWC-46 to identify whether statistically significant increasing or decreasing trends were present. The trend analyses showed a statistically significant increasing trend for lithium in well YGWC-46, but no adjustments were required.

The reports were submitted with the background screening analysis, and all other upgradient wells at neighboring units were evaluated for trends with their respective reports. 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 trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. While no records required adjustment at the time of the screening, if that is necessary in the future, a summary report will be provided to show the date ranges used in construction of the statistical limits.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) is typically used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach (interwell or intrawell). However, only one upgradient well was present at the time of the screening and the ANOVA requires a minimum of two wells. Therefore, the ANOVA was not utilized in the background screening.

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 would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. While data were further tested for intrawell eligibility during the screening, interwell methods will be used for all Appendix III constituents in accordance with Georgia EPD requirements.

Summary of Background Update Conducted in 2024

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 for Appendix III and Appendix IV 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. When the most recent value is identified as an outlier, values are not flagged in the database at this time as the measurements may represent a possible trend. 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.

Using the Tukey's box plot method, several outliers were identified and both Tukey's test and visual screening confirmed values flagged from previous analyses. An exception is for one detected value of 6.3 s.u. for pH at upgradient well YGWA-47 that was previously flagged as an outlier because it was high during a single event compared to all other

values at neighboring wells. However, when compared among pooled upgradient well data, this value is no longer spurious and was unflagged. Although not identified by Tukey's test due to the high percentage of non-detects, elevated concentrations for cobalt at upgradient well GWA-2 remain flagged to reduce variation in the record and maintain statistical limits that are conservative (i.e., lower) from a regulatory perspective.

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 will 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. When the reporting limit was higher than the CCR-rule specified levels discussed below, non-detects were substituted with one half the reporting limit.

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 Test Evaluation

While trends can be identified by visual inspection, a quantification of the trend and its statistical significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each upgradient well to identify statistically significant increasing or decreasing trends. 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 trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different than 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.

The results of the trend analyses showed several statistically significant decreasing and increasing trends for the Appendix III and IV parameters. However, the trends noted were relatively low in magnitude compared to average pooled upgradient concentrations and, therefore, no adjustments were made to the data sets at this time. If the observed

decreasing or increasing trends persist over a longer time frame and influence resulting statistical limits, some records may need to be truncated.

Statistical Analysis of Appendix III Parameters – August 2025

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. No additional values were flagged during this analysis and a summary of flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical pooled upgradient well data through August 2025 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The August 2025 sample from each downgradient well is compared to the background limit 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 (SSI) 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. A summary table of the interwell prediction limits follows this letter. Prediction limit exceedances were noted for the following Appendix III well/constituent pairs:

- Boron: YGWC-44, YGWC-45, and YGWC-46A
- Calcium: YGWC-45 and YGWC-46A
- Chloride: YGWC-46A
- Sulfate: YGWC-45 and YGWC-46A
- TDS: YGWC-45 and YGWC-46A

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 at the 99% confidence level to

determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient wells 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 spatial variability in groundwater quality that is unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this report. The following statistically significant trends were identified:

Increasing

- Boron: YGWA-39 (upgradient) and YGWC-46A
- Calcium: GWA-2, YGWA-1D, YGWA-5I, YGWA-17S, YGWA-30I, YGWA-39 (all upgradient), and YGWC-46A
- Chloride: GWA-2, YGWA-4I, YGWA-17S, YGWA-18I, and YGWA-20S (all upgradient)
- Sulfate: GWA-2, YGWA-1D, YGWA-2I, YGWA-3D, YGWA-3I, and YGWA-5I (upgradient)
- TDS: YGWA-21I and YGWA-39 (both upgradient)

Decreasing

- Boron: YGWA-40 (upgradient)
- Calcium: YGWA-1I, YGWA-18S, and YGWA-47 (all upgradient)
- Chloride: YGWA-3D, YGWA-5D, YGWA-30I, and YGWA-47 (all upgradient)
- Sulfate: YGWA-5D, YGWA-18S, YGWA-30I, YGWA-39, YGWA-40, YGWA-47 (all upgradient), and YGWC-45
- TDS: YGWA-47 (upgradient)

Statistical Analysis of Appendix IV Parameters – August 2025

For analysis of Appendix IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding GWPS. Downgradient well/constituent pairs that have 100% non-detects do not require analysis. Data from all wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional values were flagged during this analysis.

The reported measurements of cobalt from August 2020 through August 2022 in upgradient well GWA-2 were previously flagged as outliers as these measurements were substantially higher than remaining measurements at this well. This step results in statistical limits that are conservative (i.e., lower) from a regulatory perspective. If further studies indicate these measurements represent variation in groundwater quality, the

values will be re-evaluated for construction of interwell tolerance limits. Note that more recent concentrations for cobalt at upgradient well YGWA-21I have been increasing and the February 2025 observation was flagged during a previous analysis as an outlier in order to maintain statistical limits that are capable of readily detecting changes in groundwater quality. All upgradient concentrations will be re-evaluated in future analyses and if future observations are similar to this measurement, then this observation may be unflagged as an outlier.

Data among downgradient wells were also re-evaluated during this analysis, and no additional values were flagged as outliers. A summary of flagged outliers follows this report (Figure C).

Mann-Whitney Test of Medians

During previous analyses, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of observations sampled before July 2020 at abandoned downgradient well YGWC-46 to the medians of the 8 most recent observations sampled at well YGWC-46A, when available, for each Appendix IV parameter. When no variation was present between historical data and compliance samples, which was the case for beryllium, chromium, and selenium, the Mann-Whitney test was not performed. When the populations of the two groups were statistically significantly different at the 99% confidence level (such as barium, cobalt, and lithium), the historical data sampled from abandoned well YGWC-46 were truncated to only use data from well YGWC-46A to construct confidence intervals. The earlier data are shown on the time series as disconnected point and in a lighter font on the data pages. A list of the constituents using truncated records follows this report.

Interwell Upper Tolerance Limits

Interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through August 2025 for Appendix IV constituents (Figure F). Parametric tolerance limits are calculated, with a target of 95% confidence and 95% coverage, 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, non-parametric tolerance limits were constructed using the highest background measurement. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

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 IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals using data through August 2025 were constructed for each of the Appendix IV constituents in each downgradient well with 8 or more samples (Figure H). Beryllium and selenium were 100% non-detects at all downgradient wells.

The Sanitas software was used to calculate the confidence intervals. These intervals were constructed as either parametric or nonparametric confidence intervals 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 of samples available.

Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Summaries of the confidence interval results, along with graphical comparison against GWPS follow this letter. No exceedances were 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. 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. Since no exceedances were identified, no trend tests were required.

Summary

Observations from the August 2025 sample event at Yates AP-1 were compared to established interwell prediction limits for all Appendix III constituents. Exceedances were identified for the following well/constituent pairs:

- Boron: YGWC-44, YGWC-45, and YGWC-46A
- Calcium: YGWC-45 and YGWC-46A
- Chloride: YGWC-46A
- Sulfate: YGWC-45 and YGWC-46A
- TDS: YGWC-45 and YGWC-46A

When confidence intervals were constructed on downgradient wells for Appendix IV constituents and compared to respective GWPS, no exceedances were identified.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Yates AP-1. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

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Summary Tables

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Date Ranges

Date: 10/13/2025 1:01 PM

Plant Yates Client: Southern Company Data: Yates AP-1

Barium (mg/L)
YGWC-46A overall:7/6/2020-8/13/2025
Cobalt (mg/L)
YGWC-46A overall:7/6/2020-8/13/2025
Lithium (mg/L)
YGWC-46A overall:7/6/2020-8/13/2025

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100% Non-Detects: Appendix IV Downgradient

Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

Antimony (mg/L)
YGWC-52

Beryllium (mg/L)
YGWC-44, YGWC-45, YGWC-46A, YGWC-52

Cadmium (mg/L)
YGWC-44, YGWC-45, YGWC-52

Chromium (mg/L)
YGWC-46A

Lead (mg/L)
YGWC-44

Mercury (mg/L)
YGWC-52

Selenium (mg/L)
YGWC-44, YGWC-45, YGWC-46A, YGWC-52

Thallium (mg/L)
YGWC-45, YGWC-52

Appendix III Interwell Prediction Limits - Significant Results

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 2/10/2026, 10:47 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)	**YGWC-44**	**0.16**	**n/a**	**8/12/2025**	**0.66**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**YGWC-45**	**0.16**	**n/a**	**8/13/2025**	**0.39**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**YGWC-46A**	**0.16**	**n/a**	**8/13/2025**	**2.8**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**YGWC-45**	**37**	**n/a**	**8/13/2025**	**63.3**	**Yes**	**467**	**n/a**	**n/a**	**0.6424**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**YGWC-46A**	**37**	**n/a**	**8/13/2025**	**130**	**Yes**	**467**	**n/a**	**n/a**	**0.6424**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**YGWC-46A**	**12.7**	**n/a**	**8/13/2025**	**35.6**	**Yes**	**466**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**YGWC-45**	**160**	**n/a**	**8/13/2025**	**165**	**Yes**	**467**	**n/a**	**n/a**	**4.497**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**YGWC-46A**	**160**	**n/a**	**8/13/2025**	**455**	**Yes**	**467**	**n/a**	**n/a**	**4.497**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**YGWC-45**	**319**	**n/a**	**8/13/2025**	**457**	**Yes**	**460**	**n/a**	**n/a**	**0.4348**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**YGWC-46A**	**319**	**n/a**	**8/13/2025**	**1010**	**Yes**	**460**	**n/a**	**n/a**	**0.4348**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 2/10/2026, 10:47 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)	**YGWC-44**	**0.16**	**n/a**	**8/12/2025**	**0.66**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**YGWC-45**	**0.16**	**n/a**	**8/13/2025**	**0.39**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**YGWC-46A**	**0.16**	**n/a**	**8/13/2025**	**2.8**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	YGWC-52	0.16	n/a	8/12/2025	0.0088J	No	461	n/a	n/a	51.84	n/a	n/a	0.00004922	NP Inter (NDs) 1 of 2
Calcium (mg/L)	YGWC-44	37	n/a	8/12/2025	27.9	No	467	n/a	n/a	0.6424	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Calcium (mg/L)	**YGWC-45**	**37**	**n/a**	**8/13/2025**	**63.3**	**Yes**	**467**	**n/a**	**n/a**	**0.6424**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**YGWC-46A**	**37**	**n/a**	**8/13/2025**	**130**	**Yes**	**467**	**n/a**	**n/a**	**0.6424**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	YGWC-52	37	n/a	8/12/2025	33	No	467	n/a	n/a	0.6424	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Chloride (mg/L)	YGWC-44	12.7	n/a	8/12/2025	12	No	466	n/a	n/a	0	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Chloride (mg/L)	YGWC-45	12.7	n/a	8/13/2025	7.5	No	466	n/a	n/a	0	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Chloride (mg/L)	**YGWC-46A**	**12.7**	**n/a**	**8/13/2025**	**35.6**	**Yes**	**466**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	YGWC-52	12.7	n/a	8/12/2025	3.1	No	466	n/a	n/a	0	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Fluoride (mg/L)	YGWC-44	1.1	n/a	8/12/2025	0.1ND	No	536	n/a	n/a	54.66	n/a	n/a	0.00004922	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	YGWC-45	1.1	n/a	8/13/2025	0.11	No	536	n/a	n/a	54.66	n/a	n/a	0.00004922	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	YGWC-46A	1.1	n/a	8/13/2025	0.11	No	536	n/a	n/a	54.66	n/a	n/a	0.00004922	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	YGWC-52	1.1	n/a	8/12/2025	0.1ND	No	536	n/a	n/a	54.66	n/a	n/a	0.00004922	NP Inter (NDs) 1 of 2
pH, Field (SU)	YGWC-44	8.39	4.4	8/12/2025	5.94	No	545	n/a	n/a	0	n/a	n/a	0.00009844	NP Inter (normality) 1 of 2
pH, Field (SU)	YGWC-45	8.39	4.4	8/13/2025	6.77	No	545	n/a	n/a	0	n/a	n/a	0.00009844	NP Inter (normality) 1 of 2
pH, Field (SU)	YGWC-46A	8.39	4.4	8/13/2025	7.05	No	545	n/a	n/a	0	n/a	n/a	0.00009844	NP Inter (normality) 1 of 2
pH, Field (SU)	YGWC-52	8.39	4.4	8/13/2025	6.06	No	545	n/a	n/a	0	n/a	n/a	0.00009844	NP Inter (normality) 1 of 2
Sulfate (mg/L)	YGWC-44	160	n/a	8/12/2025	120	No	467	n/a	n/a	4.497	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**YGWC-45**	**160**	**n/a**	**8/13/2025**	**165**	**Yes**	**467**	**n/a**	**n/a**	**4.497**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**YGWC-46A**	**160**	**n/a**	**8/13/2025**	**455**	**Yes**	**467**	**n/a**	**n/a**	**4.497**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	YGWC-52	160	n/a	8/12/2025	97.6	No	467	n/a	n/a	4.497	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	YGWC-44	319	n/a	8/12/2025	315	No	460	n/a	n/a	0.4348	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**YGWC-45**	**319**	**n/a**	**8/13/2025**	**457**	**Yes**	**460**	**n/a**	**n/a**	**0.4348**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**YGWC-46A**	**319**	**n/a**	**8/13/2025**	**1010**	**Yes**	**460**	**n/a**	**n/a**	**0.4348**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	YGWC-52	319	n/a	8/12/2025	220	No	460	n/a	n/a	0.4348	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 10/13/2025, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	GWA-2 (bg)	0	26	81	No	20	65	n/a	0.01	NP
Boron (mg/L)	YGWA-1D (bg)	0.001404	98	111	No	25	48	n/a	0.01	NP
Boron (mg/L)	YGWA-1I (bg)	0	-1	-111	No	25	72	n/a	0.01	NP
Boron (mg/L)	YGWA-2I (bg)	0	18	111	No	25	84	n/a	0.01	NP
Boron (mg/L)	YGWA-3D (bg)	0	48	111	No	25	68	n/a	0.01	NP
Boron (mg/L)	YGWA-3I (bg)	0	9	111	No	25	88	n/a	0.01	NP
Boron (mg/L)	YGWA-4I (bg)	0	37	111	No	25	76	n/a	0.01	NP
Boron (mg/L)	YGWA-5D (bg)	0.0005665	100	111	No	25	24	n/a	0.01	NP
Boron (mg/L)	YGWA-5I (bg)	0	-6	-111	No	25	68	n/a	0.01	NP
Boron (mg/L)	YGWA-14S (bg)	-0.00003102	-16	-111	No	25	4	n/a	0.01	NP
Boron (mg/L)	YGWA-17S (bg)	0.0004886	102	111	No	25	16	n/a	0.01	NP
Boron (mg/L)	YGWA-18I (bg)	0	2	111	No	25	84	n/a	0.01	NP
Boron (mg/L)	YGWA-18S (bg)	0.001007	88	111	No	25	28	n/a	0.01	NP
Boron (mg/L)	YGWA-20S (bg)	0	3	111	No	25	92	n/a	0.01	NP
Boron (mg/L)	YGWA-21I (bg)	0	-32	-111	No	25	52	n/a	0.01	NP
Boron (mg/L)	YGWA-30I (bg)	0	-1	-111	No	25	88	n/a	0.01	NP
Boron (mg/L)	**YGWA-39 (bg)**	**0.01615**	**141**	**92**	**Yes**	**22**	**4.545**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**YGWA-40 (bg)**	**-0.01006**	**-148**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	YGWA-47 (bg)	0	-1	-92	No	22	9.091	n/a	0.01	NP
Boron (mg/L)	YGWC-44	-0.01408	-86	-92	No	22	0	n/a	0.01	NP
Boron (mg/L)	YGWC-45	0.001448	24	92	No	22	0	n/a	0.01	NP
Boron (mg/L)	**YGWC-46A**	**0.1185**	**164**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-2 (bg)**	**2.258**	**92**	**81**	**Yes**	**20**	**5**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**YGWA-1D (bg)**	**0.4718**	**166**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**YGWA-1I (bg)**	**-0.07631**	**-169**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWA-2I (bg)	0.1311	31	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-3D (bg)	0.1421	54	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-3I (bg)	0.3732	102	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-4I (bg)	0.06164	40	118	No	26	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-5D (bg)	-0.8124	-115	-118	No	26	0	n/a	0.01	NP
Calcium (mg/L)	**YGWA-5I (bg)**	**0.06854**	**199**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWA-14S (bg)	0.009033	59	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	**YGWA-17S (bg)**	**0.1354**	**245**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWA-18I (bg)	0.05126	67	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	**YGWA-18S (bg)**	**-0.05817**	**-209**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWA-20S (bg)	0.03614	115	118	No	26	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-21I (bg)	0.3319	85	118	No	26	0	n/a	0.01	NP
Calcium (mg/L)	**YGWA-30I (bg)**	**0.02565**	**125**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**YGWA-39 (bg)**	**2.384**	**158**	**92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWA-40 (bg)	-0.2173	-79	-92	No	22	4.545	n/a	0.01	NP
Calcium (mg/L)	**YGWA-47 (bg)**	**-0.631**	**-143**	**-92**	**Yes**	**22**	**4.545**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWC-45	0.3243	33	92	No	22	0	n/a	0.01	NP
Calcium (mg/L)	**YGWC-46A**	**5.124**	**194**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**GWA-2 (bg)**	**0.2946**	**117**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWA-1D (bg)	0	-57	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-1I (bg)	-0.01371	-62	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-2I (bg)	-0.01876	-80	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-3D (bg)**	**-0.03226**	**-141**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWA-3I (bg)	-0.02211	-110	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-4I (bg)**	**0.09213**	**130**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**YGWA-5D (bg)**	**-0.4959**	**-241**	**-118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWA-5I (bg)	0.03191	60	118	No	26	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-14S (bg)	0.06174	63	111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-17S (bg)**	**0.8992**	**264**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**YGWA-18I (bg)**	**0.08948**	**145**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 10/13/2025, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Chloride (mg/L)	YGWA-18S (bg)	0.06624	81	111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-20S (bg)**	**0.07961**	**177**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWA-21I (bg)	-0.05014	-80	-118	No	26	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-30I (bg)**	**-0.03179**	**-114**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWA-39 (bg)	0.3629	89	92	No	22	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-40 (bg)	0.1586	85	92	No	22	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-47 (bg)**	**-0.2858**	**-155**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWC-46A	0.7941	64	118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	**GWA-2 (bg)**	**9.755**	**89**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-1D (bg)**	**0.8085**	**219**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	YGWA-1I (bg)	-0.1096	-61	-111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	**YGWA-2I (bg)**	**1.162**	**151**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-3D (bg)**	**0.2153**	**145**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-3I (bg)**	**0.8199**	**150**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	YGWA-4I (bg)	0	8	118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	**YGWA-5D (bg)**	**-1.91**	**-231**	**-118**	**Yes**	**26**	**3.846**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-5I (bg)**	**0.06851**	**194**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	YGWA-14S (bg)	0.01475	16	111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-17S (bg)	-0.06194	-78	-118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-18I (bg)	-0.07882	-111	-111	No	25	16	n/a	0.01	NP
Sulfate (mg/L)	**YGWA-18S (bg)**	**-0.1141**	**-187**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	YGWA-20S (bg)	0	117	118	No	26	61.54	n/a	0.01	NP
Sulfate (mg/L)	YGWA-21I (bg)	-0.152	-101	-118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	**YGWA-30I (bg)**	**-0.05578**	**-115**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-39 (bg)**	**-2.287**	**-182**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-40 (bg)**	**-4.774**	**-178**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-47 (bg)**	**-8.917**	**-166**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWC-45**	**-3.49**	**-108**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	YGWC-46A	-12.62	-62	-118	No	26	3.846	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-2 (bg)	12.15	73	81	No	20	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-1D (bg)	2.421	97	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-1I (bg)	-0.05818	-4	-111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-2I (bg)	0.1619	13	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-3D (bg)	2.218	64	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-3I (bg)	2.103	59	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-4I (bg)	2.069	59	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-5D (bg)	-5.02	-62	-105	No	24	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-5I (bg)	0.4612	30	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-14S (bg)	1.35	71	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-17S (bg)	2.454	91	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-18I (bg)	-0.2098	-6	-111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-18S (bg)	1.112	42	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-20S (bg)	2.445	80	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**YGWA-21I (bg)**	**7.481**	**112**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	YGWA-30I (bg)	1.957	89	111	No	25	8	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**YGWA-39 (bg)**	**22.45**	**137**	**92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	YGWA-40 (bg)	-3.372	-69	-92	No	22	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**YGWA-47 (bg)**	**-7.486**	**-117**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	YGWC-45	4.101	63	92	No	22	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWC-46A	2.98	12	118	No	26	0	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 10/13/2025, 1:25 PM

Constituent	Upper Lim.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0047	n/a	485	n/a	n/a	87.84	n/a	n/a	NaN	NP Inter(NDs)
Arsenic (mg/L)	0.0046	n/a	533	n/a	n/a	75.42	n/a	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	0.21	n/a	533	n/a	n/a	2.064	n/a	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	0.0011	n/a	517	n/a	n/a	80.66	n/a	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	0.00063	n/a	517	n/a	n/a	94.97	n/a	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	0.0093	n/a	485	n/a	n/a	80.82	n/a	n/a	NaN	NP Inter(NDs)
Cobalt (mg/L)	0.035	n/a	526	n/a	n/a	69.96	n/a	n/a	NaN	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	6.92	n/a	511	n/a	n/a	0	n/a	n/a	NaN	NP Inter(normality)
Fluoride (mg/L)	1.1	n/a	536	n/a	n/a	54.66	n/a	n/a	NaN	NP Inter(NDs)
Lead (mg/L)	0.0013	n/a	487	n/a	n/a	88.3	n/a	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	0.026	n/a	511	n/a	n/a	26.81	n/a	n/a	NaN	NP Inter(normality)
Mercury (mg/L)	0.00064	n/a	441	n/a	n/a	87.53	n/a	n/a	NaN	NP Inter(NDs)
Molybdenum (mg/L)	0.03	n/a	475	n/a	n/a	61.68	n/a	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	515	n/a	n/a	93.01	n/a	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	0.00053	n/a	449	n/a	n/a	97.33	n/a	n/a	NaN	NP Inter(NDs)

YATES ASH POND 1 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0047	0.006
Arsenic, Total (mg/L)	0.01		0.0046	0.01
Barium, Total (mg/L)	2		0.21	2
Beryllium, Total (mg/L)	0.004		0.0011	0.004
Cadmium, Total (mg/L)	0.005		0.00063	0.005
Chromium, Total (mg/L)	0.1		0.0093	0.1
Cobalt, Total (mg/L)		0.006	0.035	0.035
Combined Radium, Total (pCi/L)	5		6.92	6.92
Fluoride, Total (mg/L)	4		1.1	4
Lead, Total (mg/L)		0.015	0.0013	0.015
Lithium, Total (mg/L)		0.04	0.026	0.04
Mercury, Total (mg/L)	0.002		0.00064	0.002
Molybdenum, Total (mg/L)		0.1	0.03	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.00053	0.002

**Gray cell indicates Background Limit is higher than MCL or CCR Rule Specified Level*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

Appendix IV Confidence Intervals - All Results (No Significant)

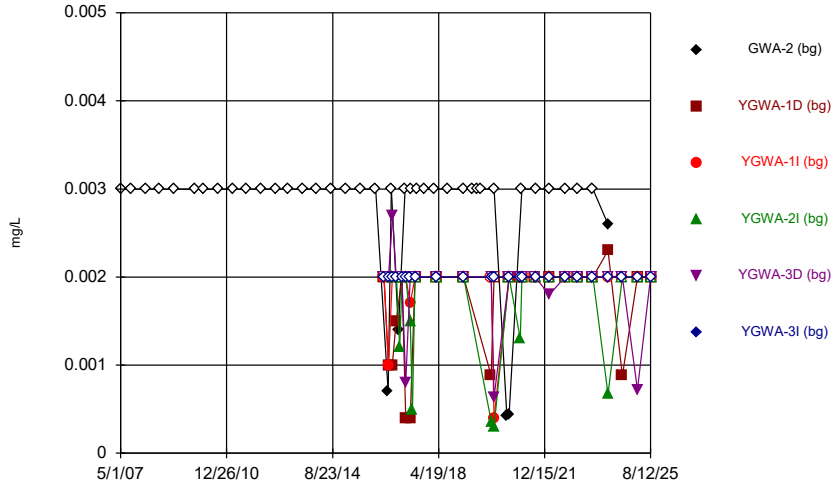
Plant Yates Client: Southern Company Data: Yates AP-1 Printed 10/13/2025, 1:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	YGWC-44	0.0023	0.002	0.006	No	21	0.002014	0.00006547	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	YGWC-45	0.002	0.0017	0.006	No	21	0.001986	0.00006547	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	YGWC-46A	0.002	0.00029	0.006	No	24	0.001929	0.0003491	95.83	None	No	0.01	NP (NDs)
Arsenic (mg/L)	YGWC-44	0.0041	0.00097	0.01	No	23	0.001914	0.0008993	69.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	YGWC-45	0.002	0.00078	0.01	No	23	0.001805	0.0005552	78.26	None	No	0.01	NP (NDs)
Arsenic (mg/L)	YGWC-46A	0.002	0.0011	0.01	No	26	0.001597	0.0005368	42.31	None	No	0.01	NP (normality)
Arsenic (mg/L)	YGWC-52	0.0044	0.002	0.01	No	14	0.002171	0.0006414	92.86	None	No	0.01	NP (NDs)
Barium (mg/L)	YGWC-44	0.1051	0.08468	2	No	23	0.09487	0.01949	0	None	No	0.01	Param.
Barium (mg/L)	YGWC-45	0.06546	0.05449	2	No	23	0.05998	0.01049	0	None	No	0.01	Param.
Barium (mg/L)	YGWC-46A	0.04599	0.04121	2	No	15	0.0436	0.003521	0	None	No	0.01	Param.
Barium (mg/L)	YGWC-52	0.01983	0.01774	2	No	14	0.01879	0.001477	0	None	No	0.01	Param.
Cadmium (mg/L)	YGWC-46A	0.0005	0.00012	0.005	No	23	0.0004496	0.0001332	86.96	None	No	0.01	NP (NDs)
Chromium (mg/L)	YGWC-44	0.005	0.0021	0.1	No	21	0.004862	0.0006328	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	YGWC-45	0.0061	0.0006	0.1	No	21	0.004632	0.001365	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	YGWC-52	0.005	0.00094	0.1	No	14	0.003631	0.001931	64.29	None	No	0.01	NP (NDs)
Cobalt (mg/L)	YGWC-44	0.003274	0.001524	0.035	No	23	0.002716	0.002442	4.348	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	YGWC-45	0.0009	0.00055	0.035	No	23	0.0009391	0.0006355	13.04	None	No	0.01	NP (normality)
Cobalt (mg/L)	YGWC-46A	0.002271	0.0009578	0.035	No	15	0.001687	0.001089	13.33	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	YGWC-52	0.001842	0.0009539	0.035	No	14	0.001398	0.0006267	7.143	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	YGWC-44	0.8217	0.3081	6.92	No	23	0.642	0.5693	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	YGWC-45	1.429	1.006	6.92	No	23	1.218	0.4047	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	YGWC-46A	1.882	1.173	6.92	No	27	1.528	0.7435	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	YGWC-52	0.9198	0.4432	6.92	No	14	0.6815	0.3364	0	None	No	0.01	Param.
Fluoride (mg/L)	YGWC-44	0.1	0.07	4	No	24	0.09363	0.01793	79.17	None	No	0.01	NP (NDs)
Fluoride (mg/L)	YGWC-45	0.22	0.075	4	No	24	0.1748	0.1504	16.67	None	No	0.01	NP (normality)
Fluoride (mg/L)	YGWC-46A	0.17	0.1	4	No	27	0.1486	0.09318	18.52	None	No	0.01	NP (normality)
Fluoride (mg/L)	YGWC-52	0.1	0.063	4	No	14	0.09114	0.01769	78.57	None	No	0.01	NP (NDs)
Lead (mg/L)	YGWC-45	0.001	0.0001	0.015	No	21	0.0009571	0.0001964	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	YGWC-46A	0.001	0.000044	0.015	No	24	0.0009602	0.0001951	95.83	None	No	0.01	NP (NDs)
Lead (mg/L)	YGWC-52	0.001	0.000087	0.015	No	14	0.0007359	0.0004334	71.43	None	No	0.01	NP (NDs)
Lithium (mg/L)	YGWC-44	0.01343	0.01247	0.04	No	23	0.01295	0.000913	0	None	No	0.01	Param.
Lithium (mg/L)	YGWC-45	0.01367	0.01204	0.04	No	23	0.01289	0.001594	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	YGWC-46A	0.01438	0.01174	0.04	No	15	0.01306	0.001953	0	None	No	0.01	Param.
Lithium (mg/L)	YGWC-52	0.004322	0.00366	0.04	No	14	0.003991	0.0004673	0	None	No	0.01	Param.
Mercury (mg/L)	YGWC-44	0.0002	0.00006	0.002	No	19	0.0001926	0.00003212	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	YGWC-45	0.0002	0.000071	0.002	No	19	0.0001932	0.00002959	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	YGWC-46A	0.0002	0.00007	0.002	No	21	0.0001938	0.00002837	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	YGWC-44	0.01	0.0005	0.1	No	23	0.009587	0.001981	95.65	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	YGWC-45	0.0024	0.0011	0.1	No	23	0.003207	0.003674	21.74	None	No	0.01	NP (normality)
Molybdenum (mg/L)	YGWC-46A	0.002555	0.001698	0.1	No	26	0.003488	0.002928	15.38	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	YGWC-52	0.01	0.00083	0.1	No	14	0.009345	0.002451	92.86	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	YGWC-44	0.0005	0.00008	0.002	No	21	0.00048	0.00009165	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	YGWC-46A	0.0005	0.000073	0.002	No	23	0.0004814	0.00008904	95.65	None	No	0.01	NP (NDs)

FIGURE A.

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Hollow symbols indicate censored values.

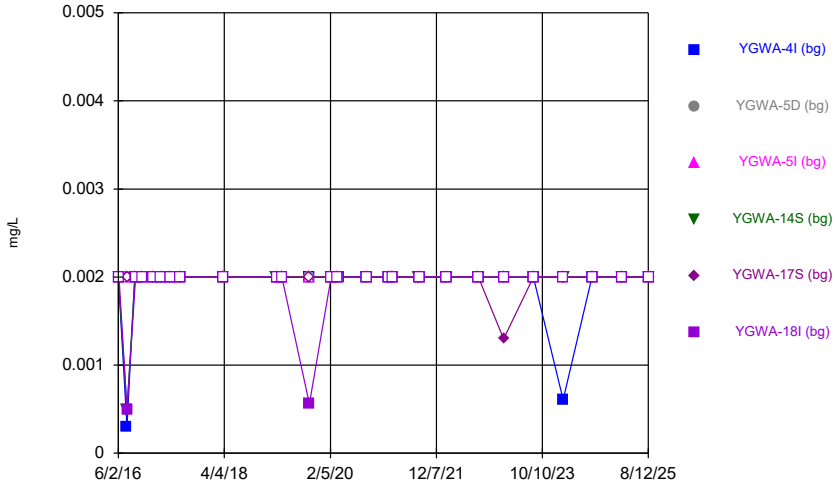
Time Series



Constituent: Antimony Analysis Run 2/10/2026 10:36 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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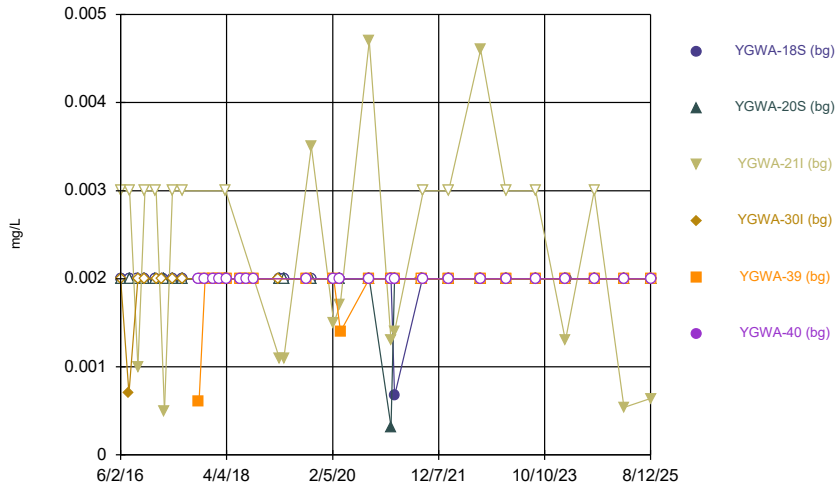
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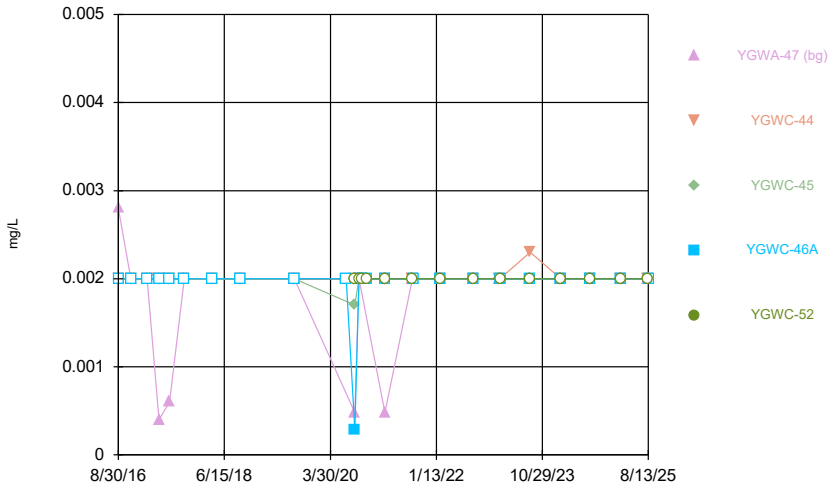
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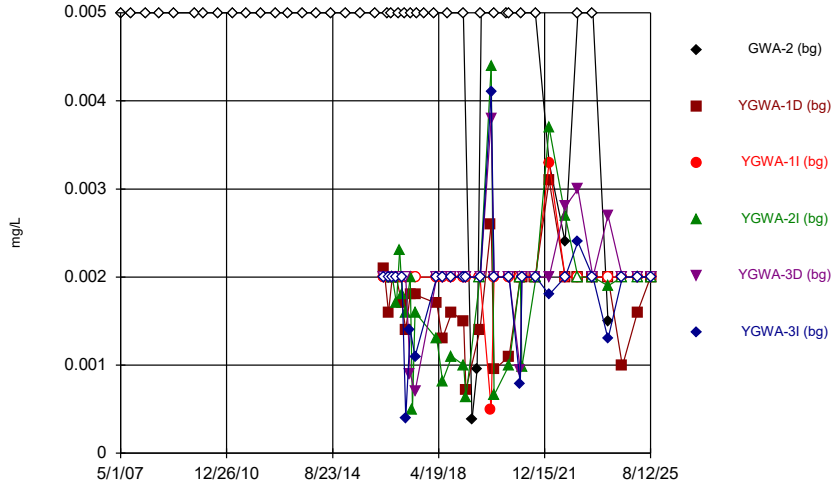
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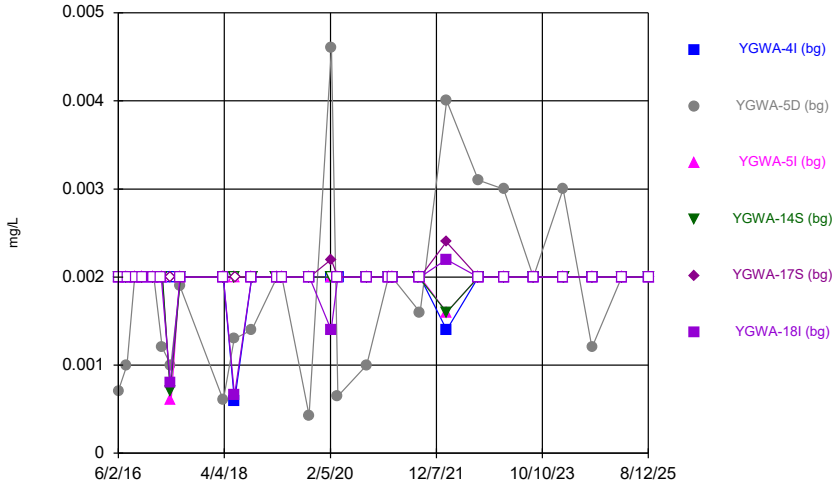
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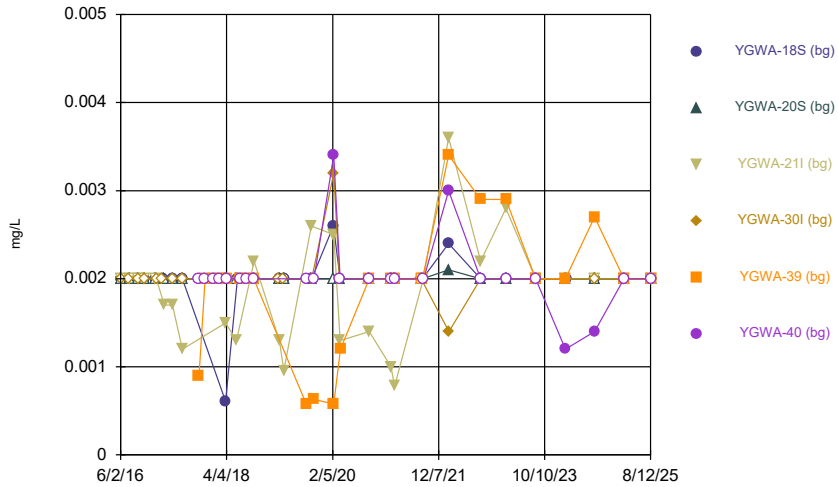
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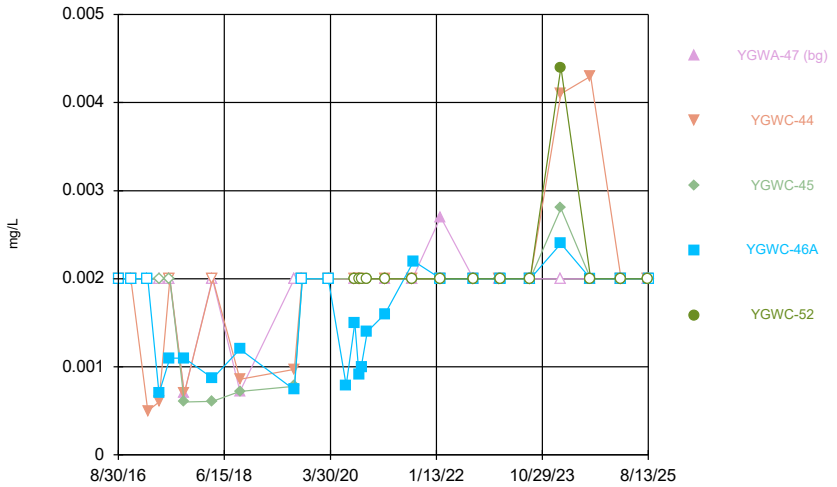
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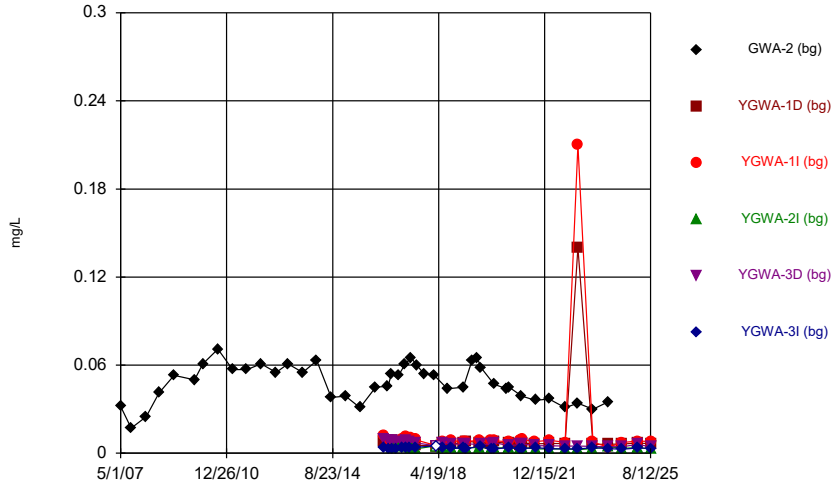
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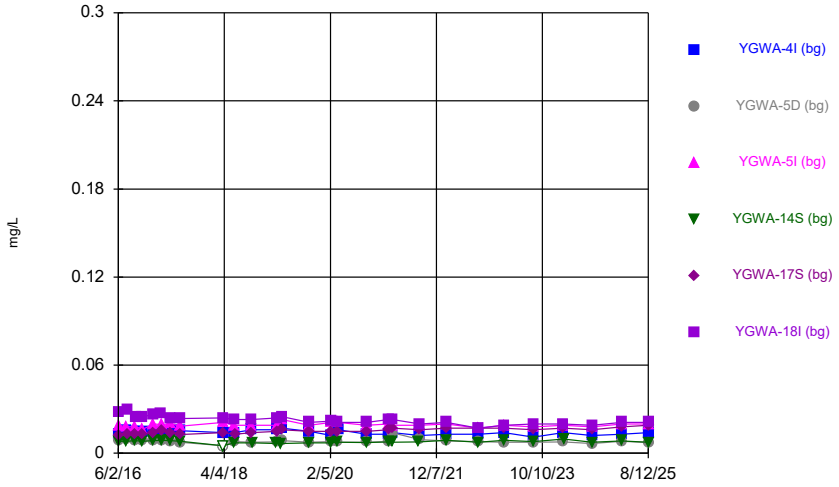
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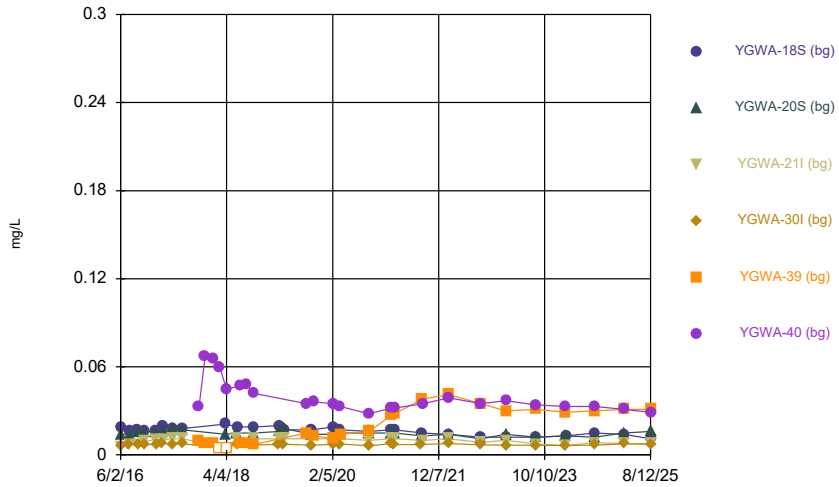
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Plant Yates Client: Southern Company Data: Yates AP-1

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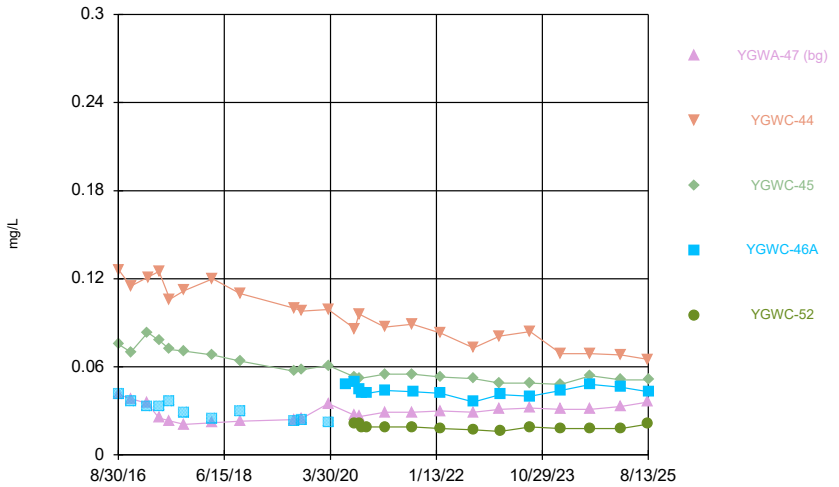
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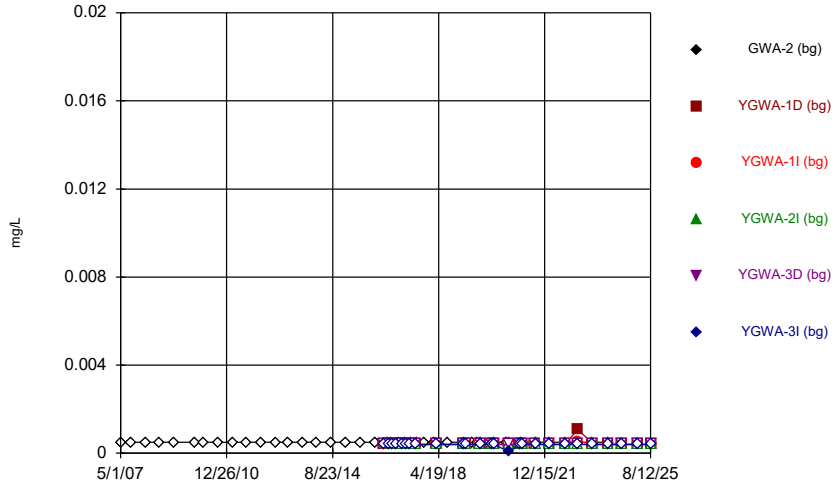
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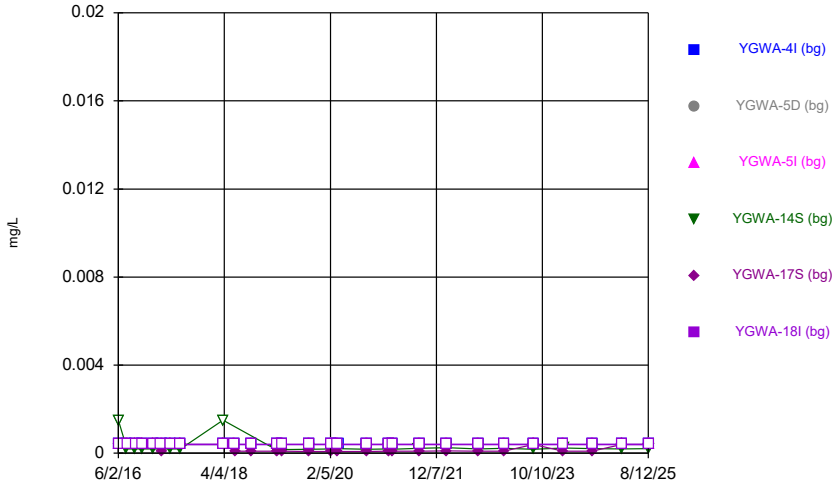
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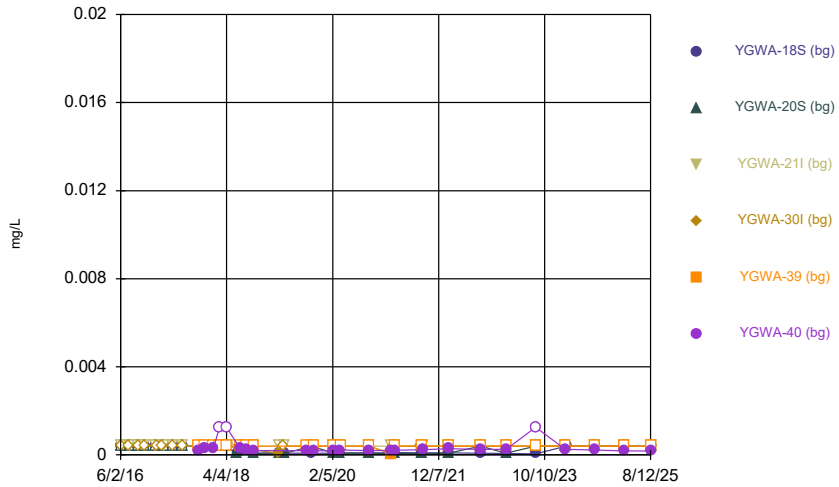
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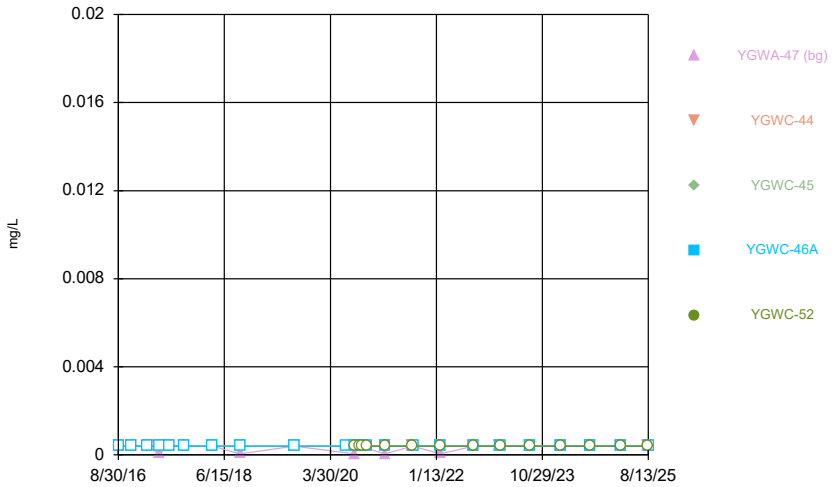
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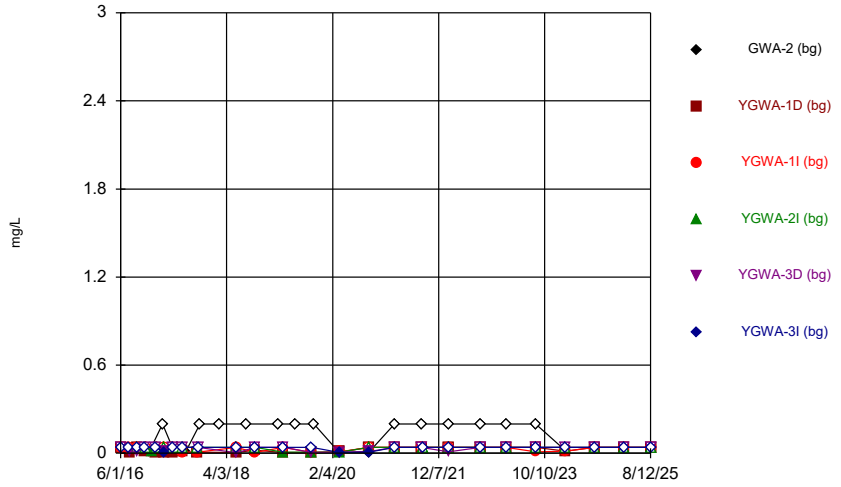
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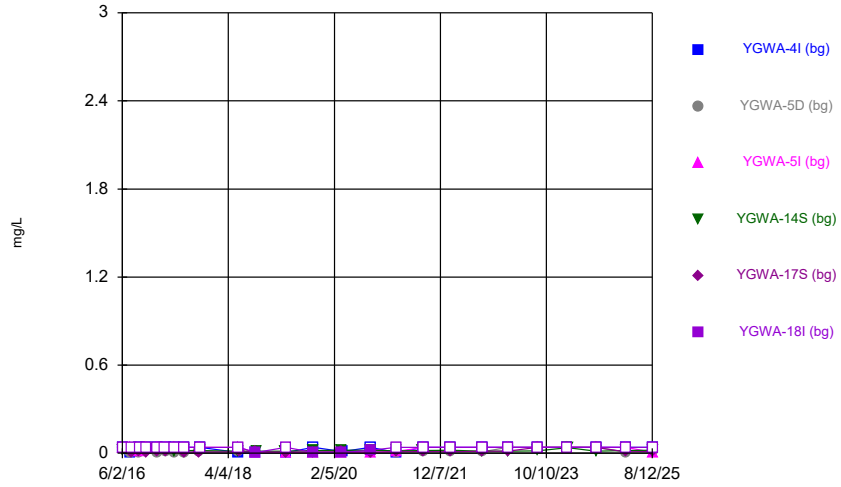
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Constituent: Boron Analysis Run 2/10/2026 10:36 AM
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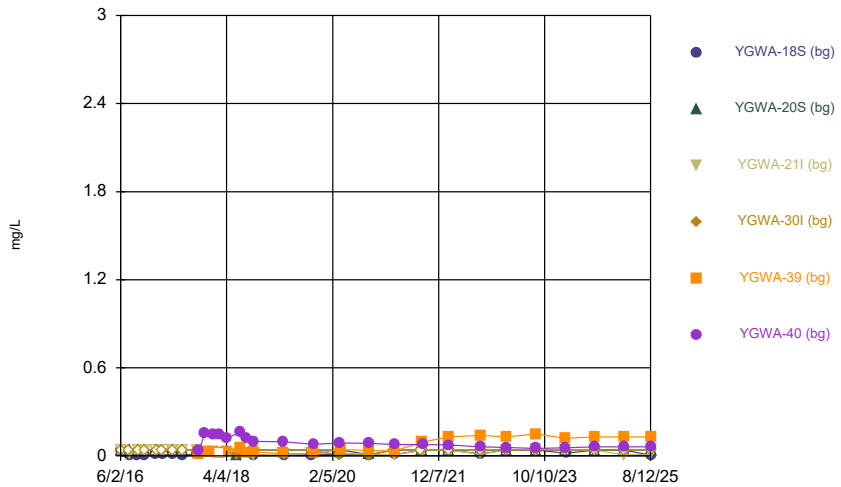
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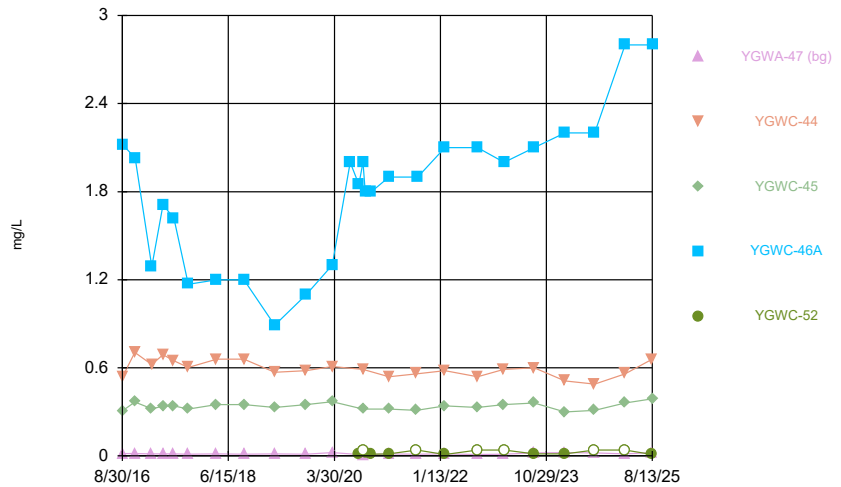
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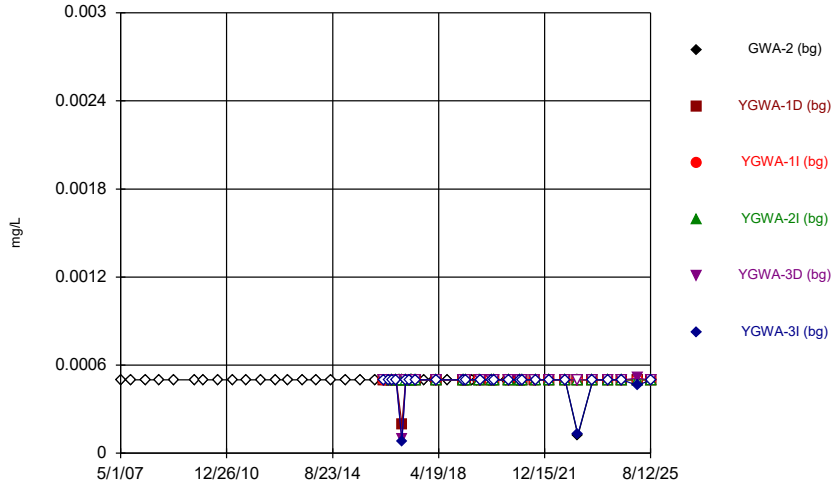
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Constituent: Boron Analysis Run 2/10/2026 10:36 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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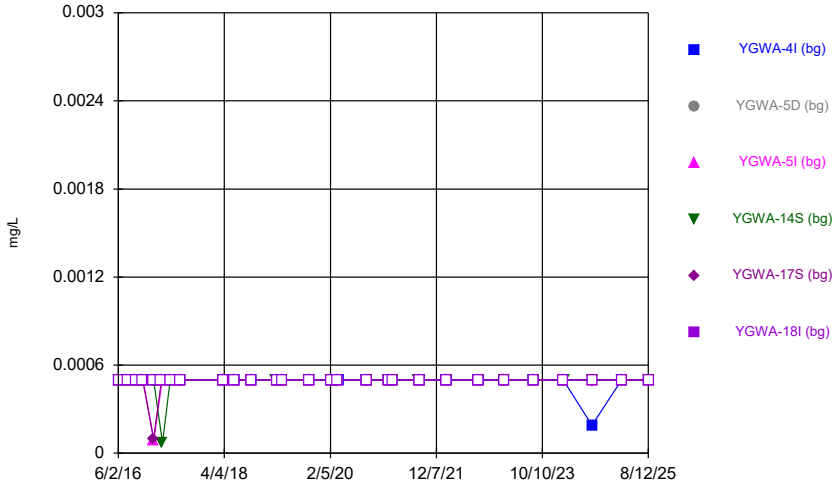
Time Series



Constituent: Cadmium Analysis Run 2/10/2026 10:36 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

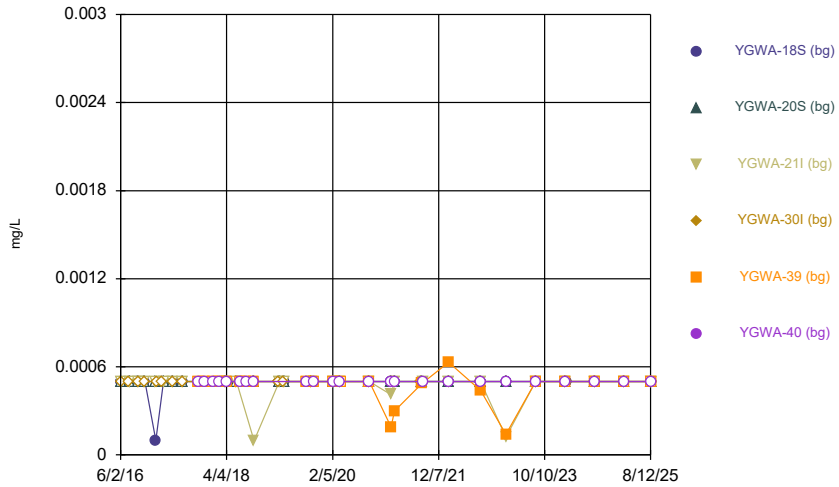
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Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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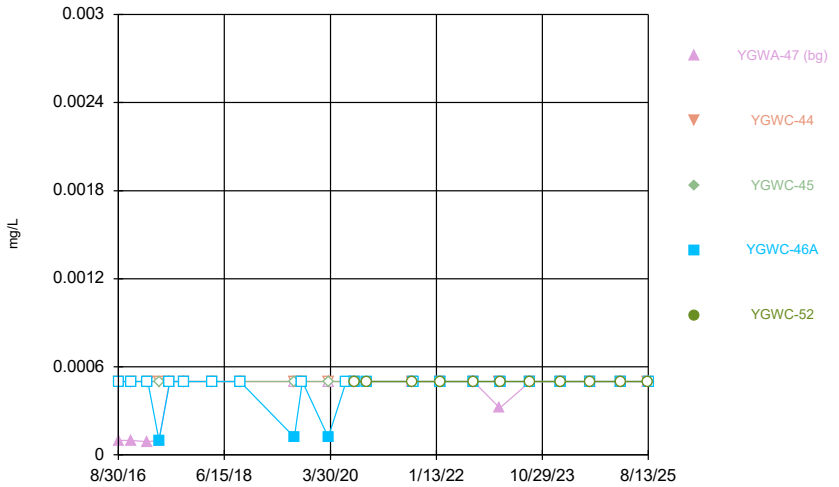
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Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

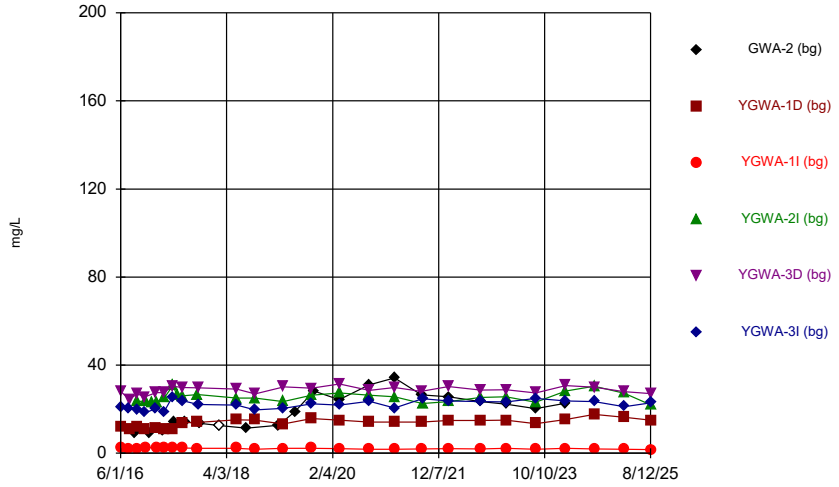
Time Series



Constituent: Cadmium Analysis Run 2/10/2026 10:36 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

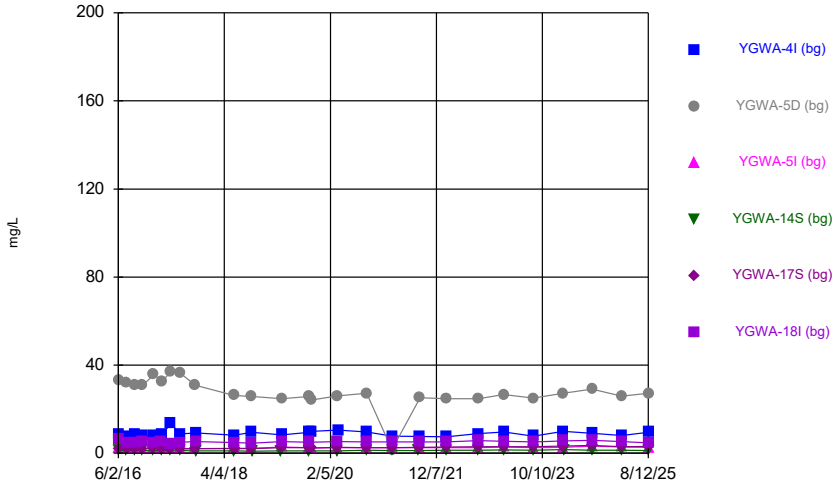
Time Series



Constituent: Calcium Analysis Run 2/10/2026 10:36 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

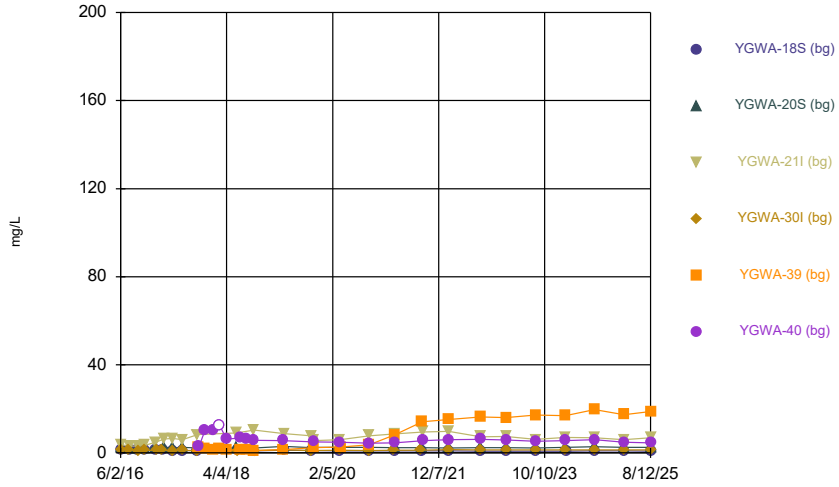
Time Series



Constituent: Calcium Analysis Run 2/10/2026 10:36 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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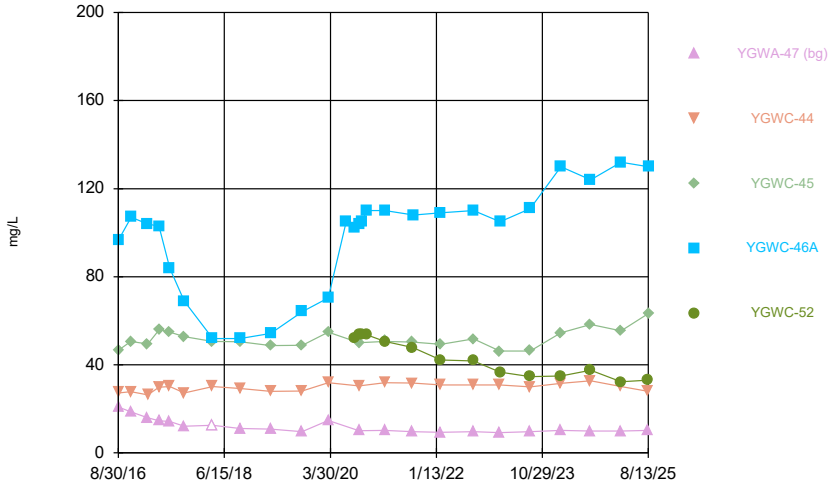
Time Series



Constituent: Calcium Analysis Run 2/10/2026 10:36 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

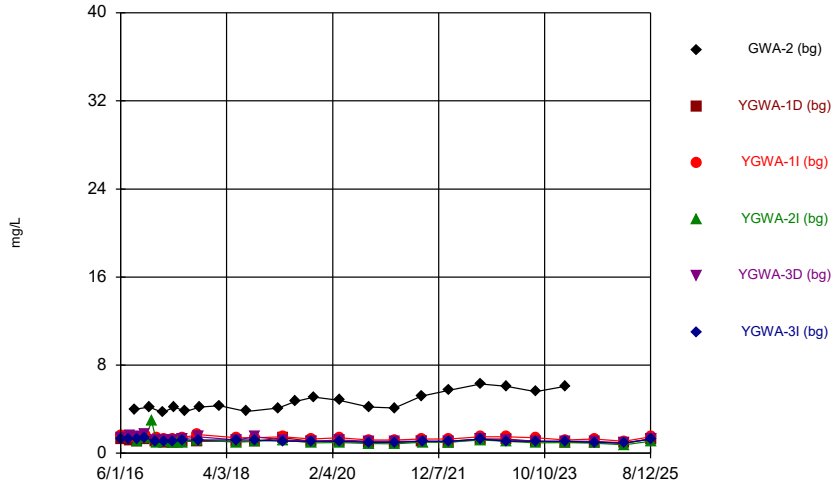
Time Series



Constituent: Calcium Analysis Run 2/10/2026 10:36 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

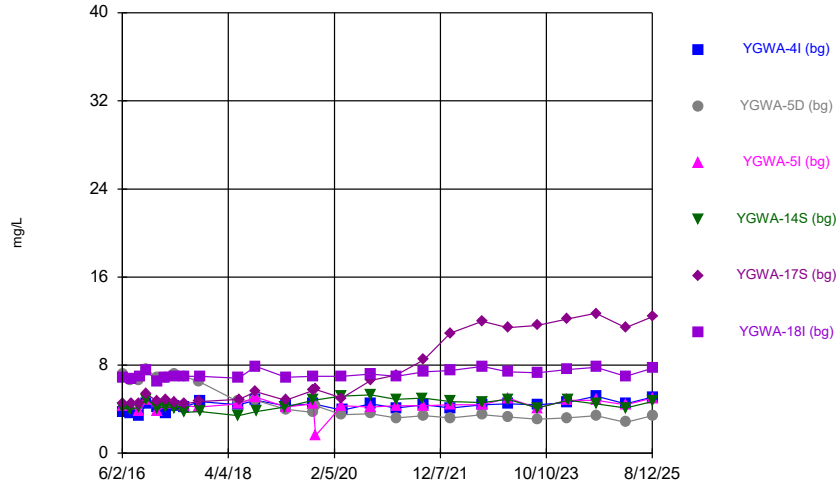
Time Series



Constituent: Chloride Analysis Run 2/10/2026 10:36 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

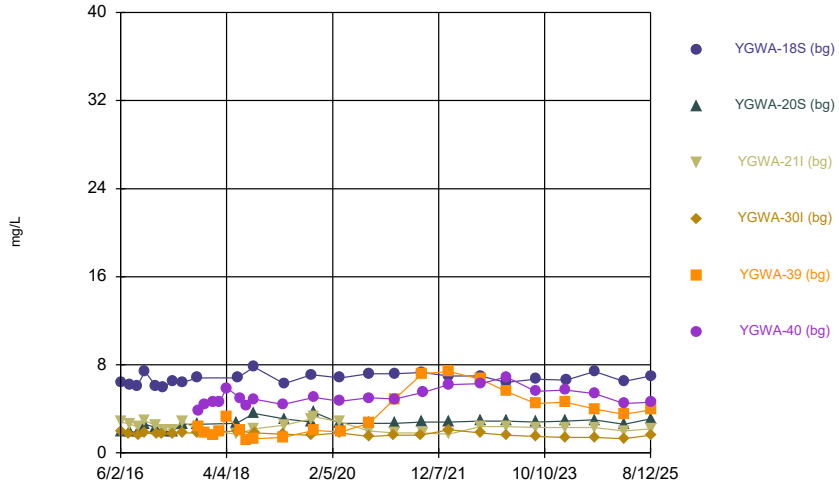
Time Series



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Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

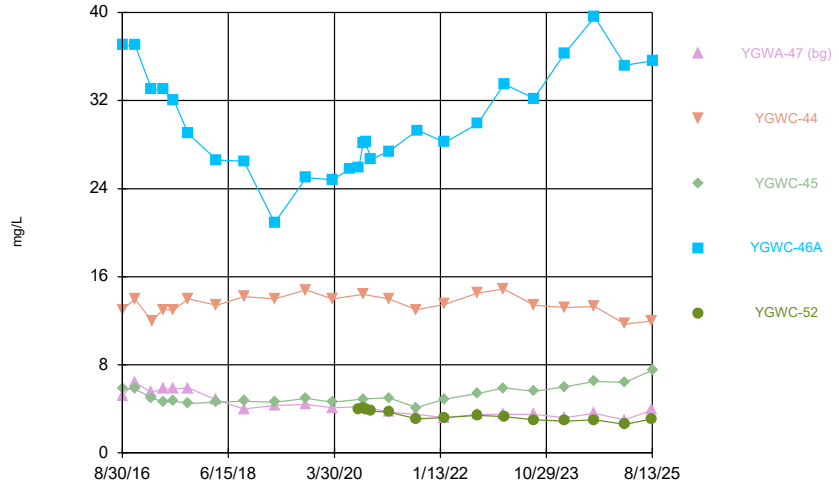
Time Series



Constituent: Chloride Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

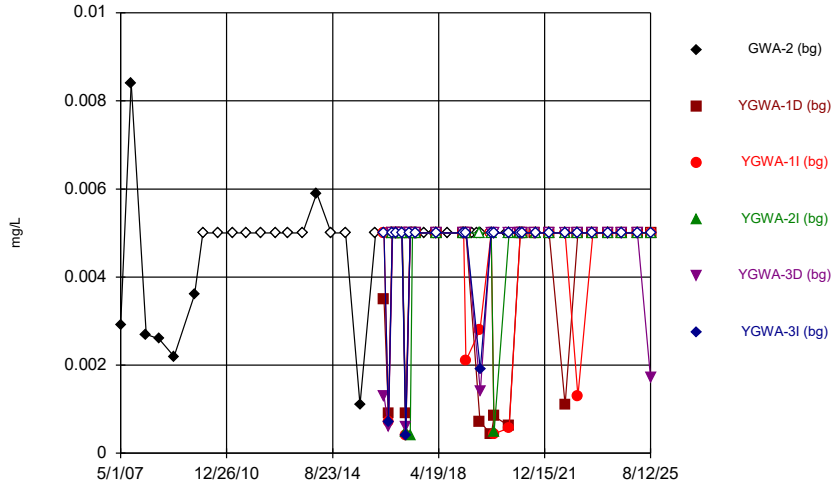
Time Series



Constituent: Chloride Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

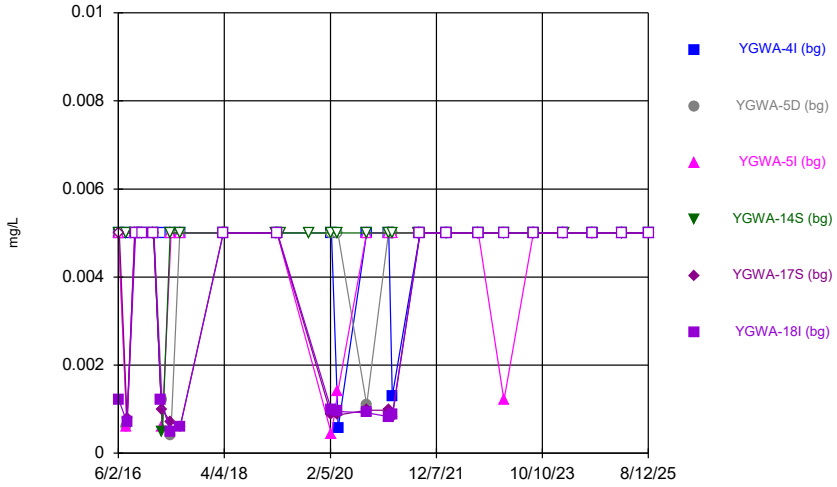
Time Series



Constituent: Chromium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

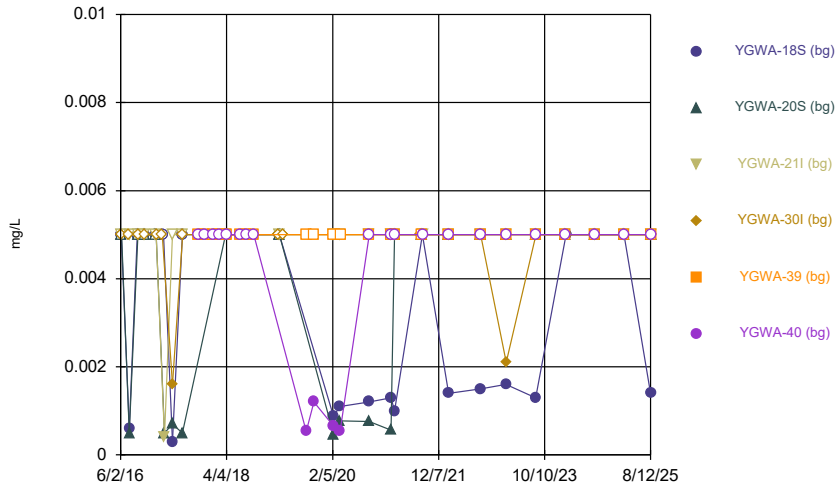
Time Series



Constituent: Chromium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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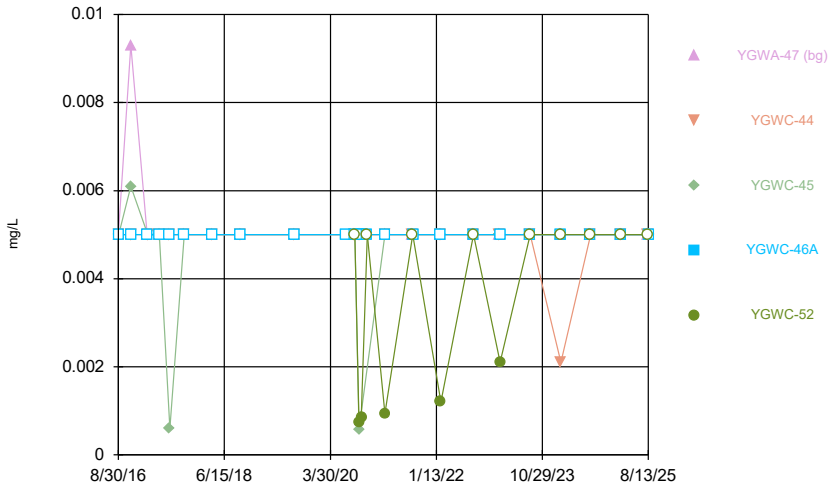
Time Series



Constituent: Chromium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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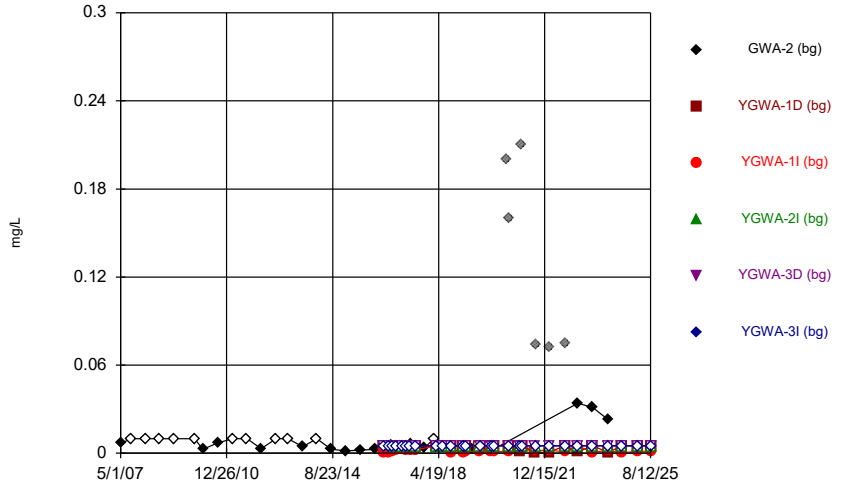
Time Series



Constituent: Chromium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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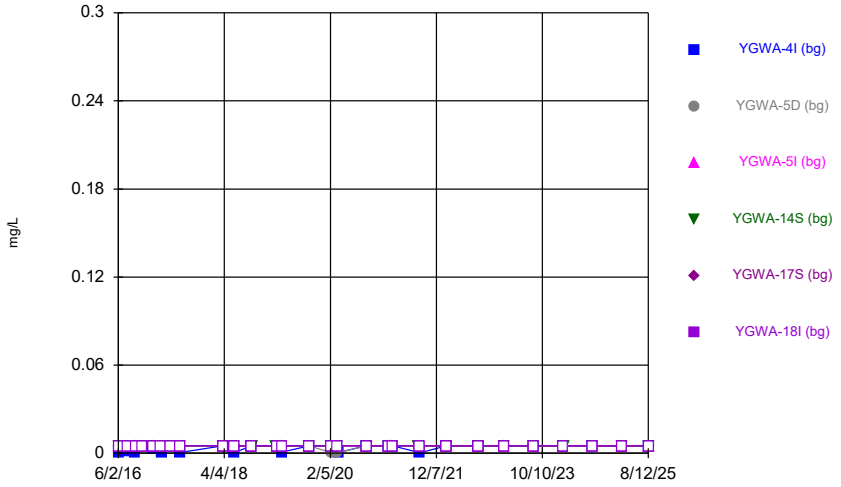
Time Series



Constituent: Cobalt Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

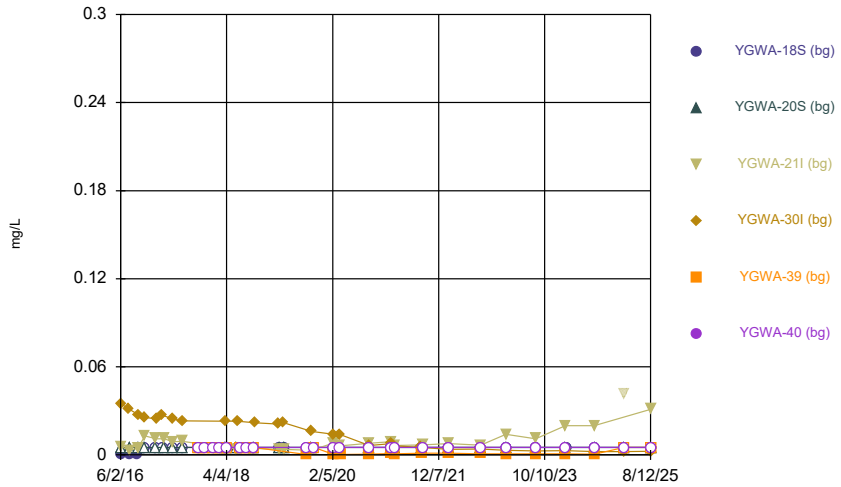
Time Series



Constituent: Cobalt Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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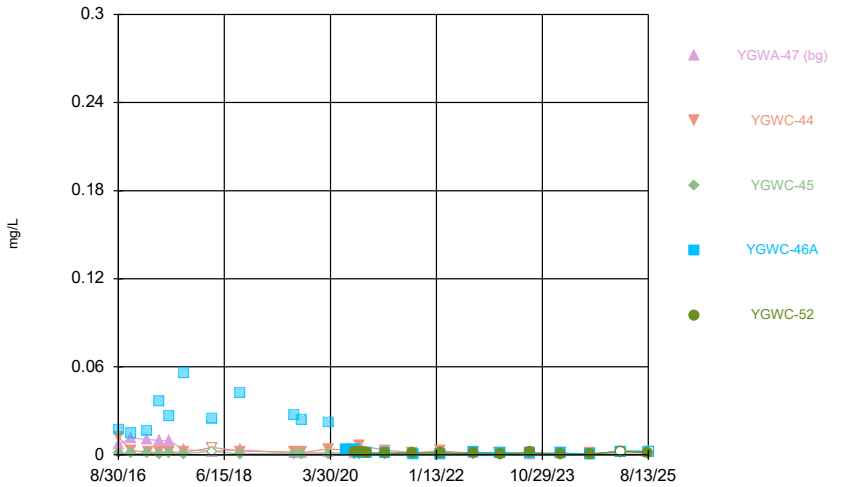
Time Series



Constituent: Cobalt Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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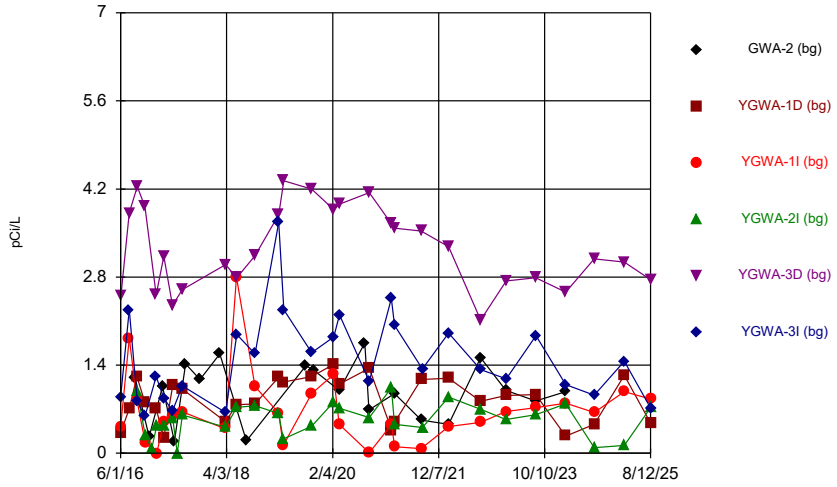
Time Series



Constituent: Cobalt Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Time Series

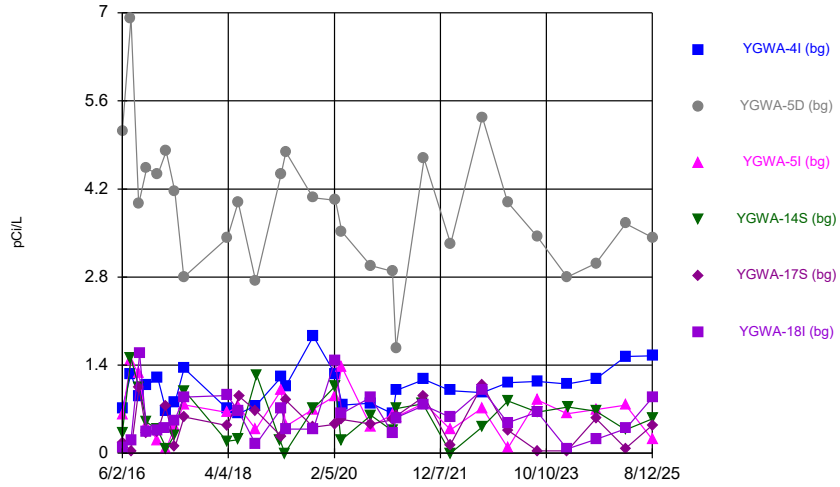


Constituent: Combined Radium 226 + 228 Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Time Series

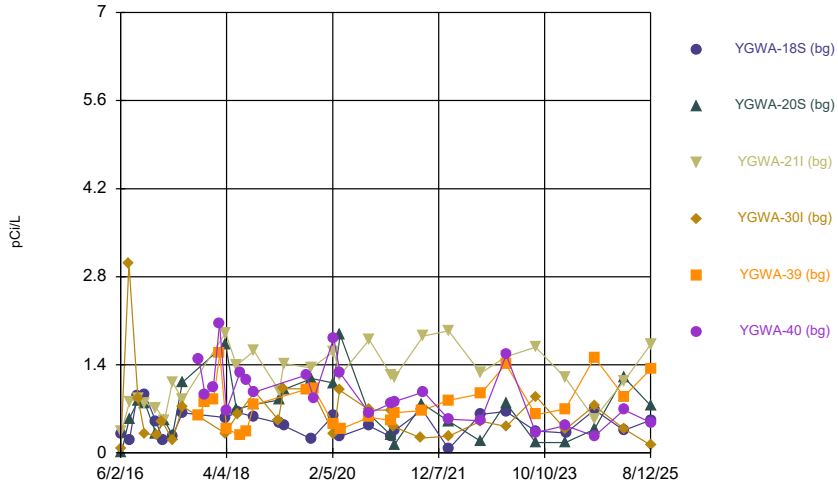


Constituent: Combined Radium 226 + 228 Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Time Series

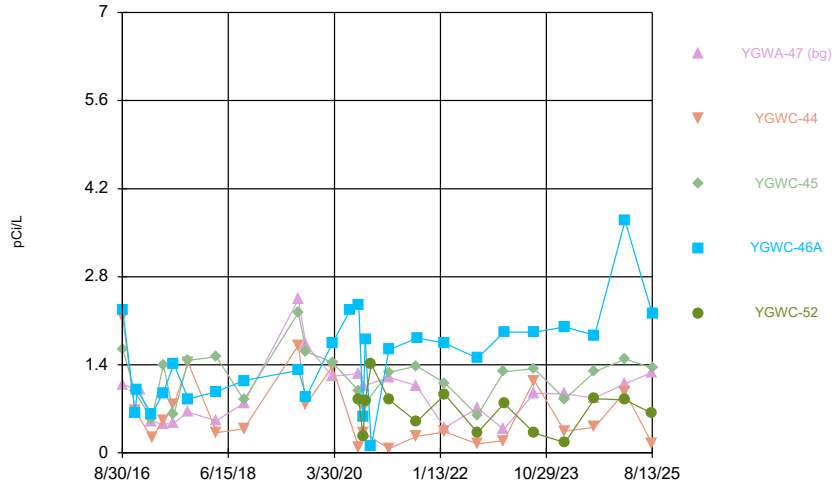


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Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Time Series

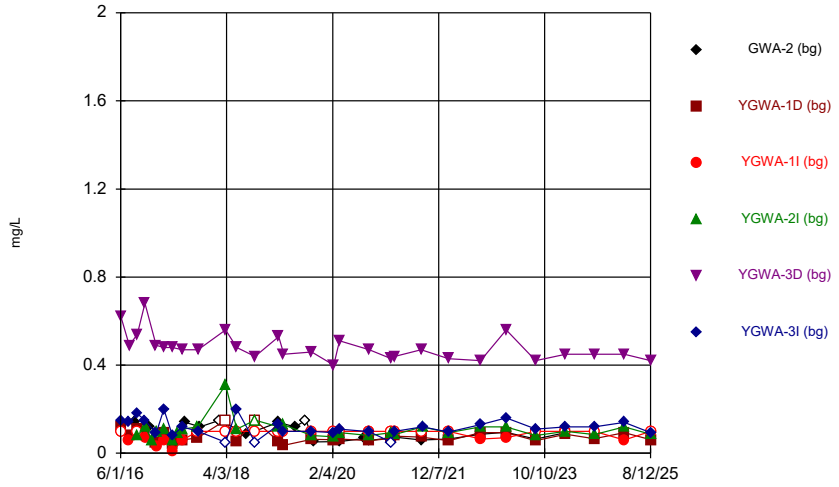


Constituent: Combined Radium 226 + 228 Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

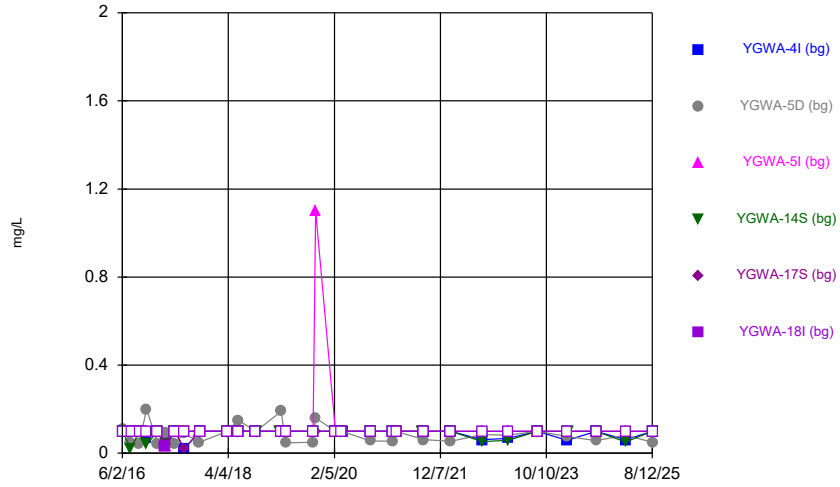
Time Series



Constituent: Fluoride Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

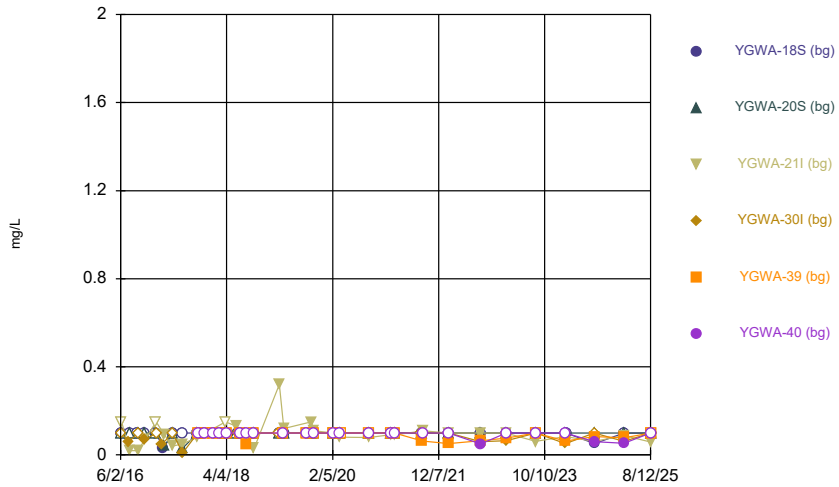
Time Series



Constituent: Fluoride Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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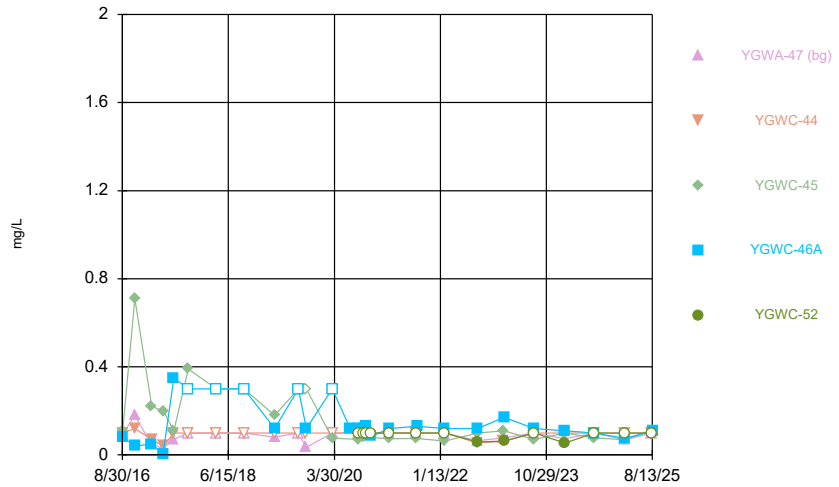
Time Series



Constituent: Fluoride Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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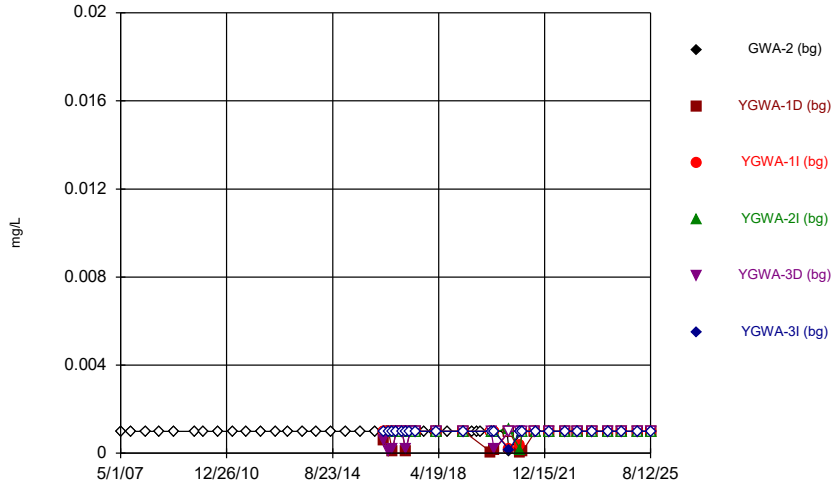
Time Series



Constituent: Fluoride Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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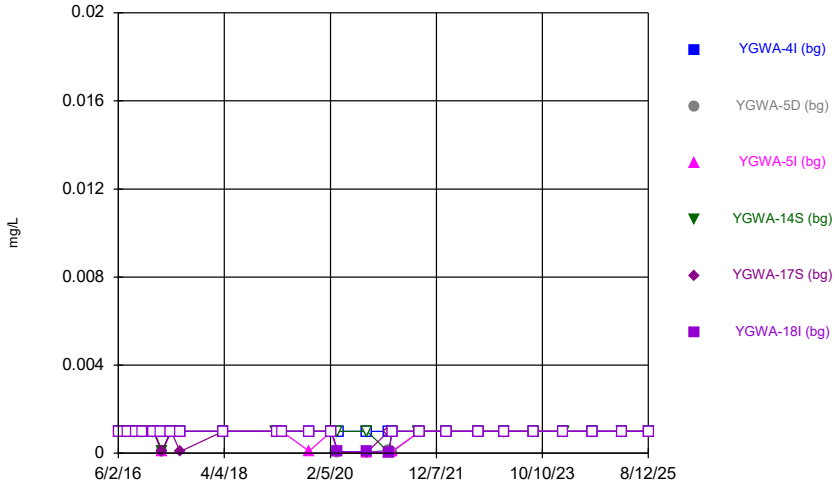
Time Series



Constituent: Lead Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

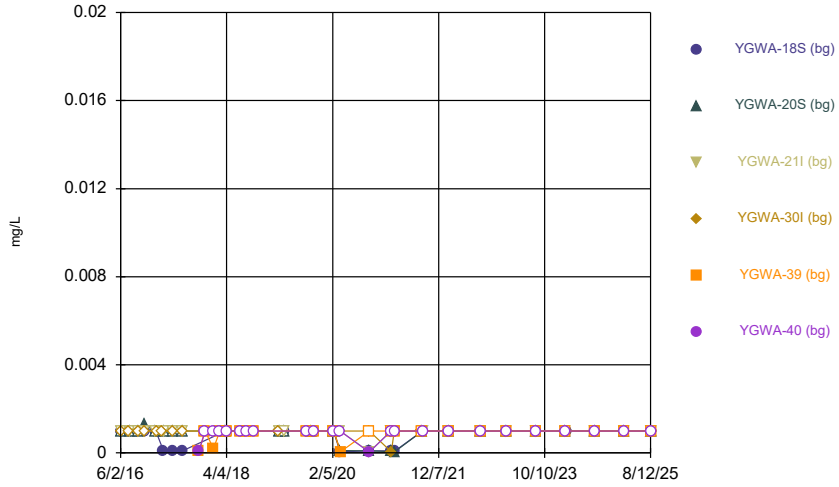
Time Series



Constituent: Lead Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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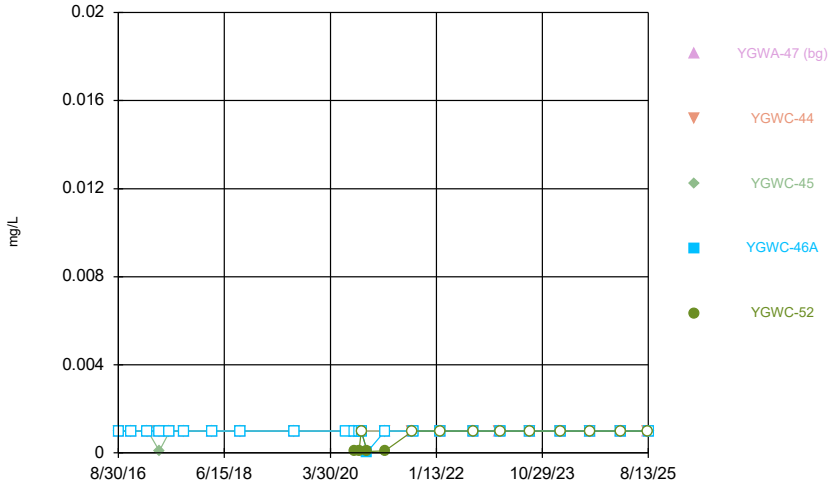
Time Series



Constituent: Lead Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

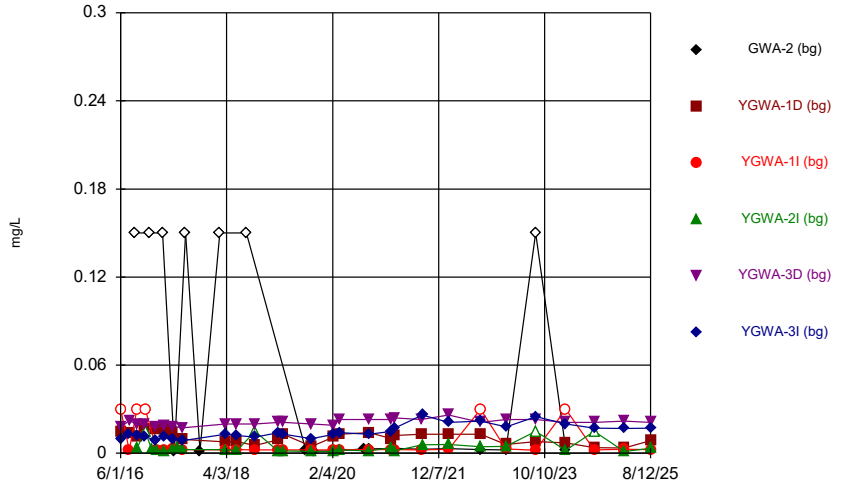
Time Series



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Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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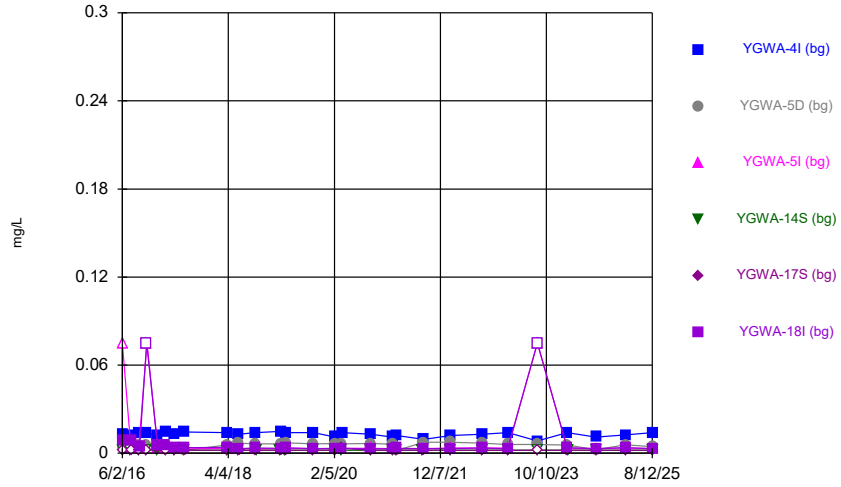
Time Series



Constituent: Lithium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

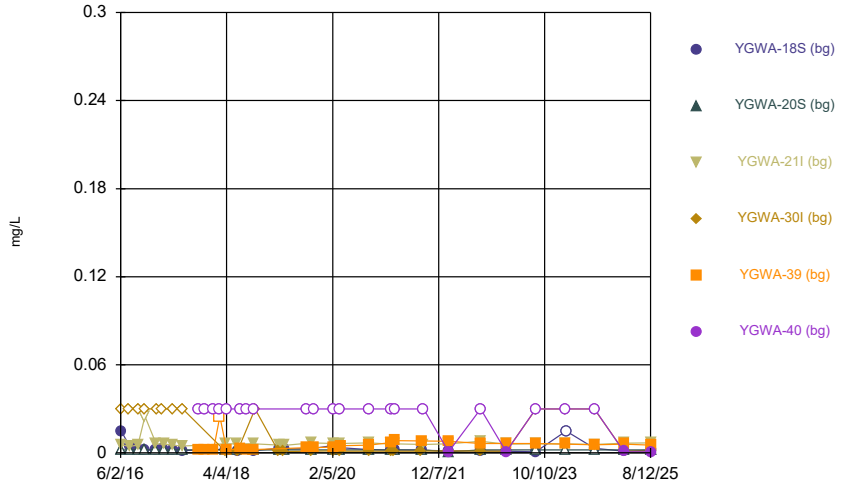
Time Series



Constituent: Lithium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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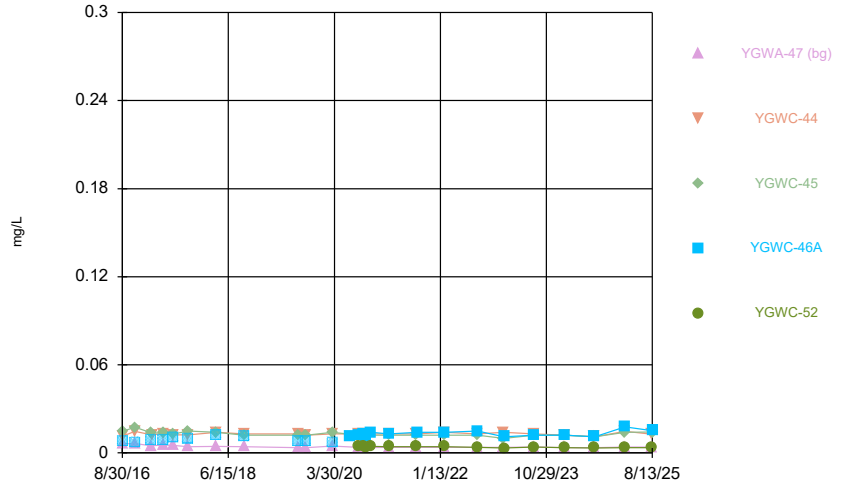
Time Series



Constituent: Lithium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

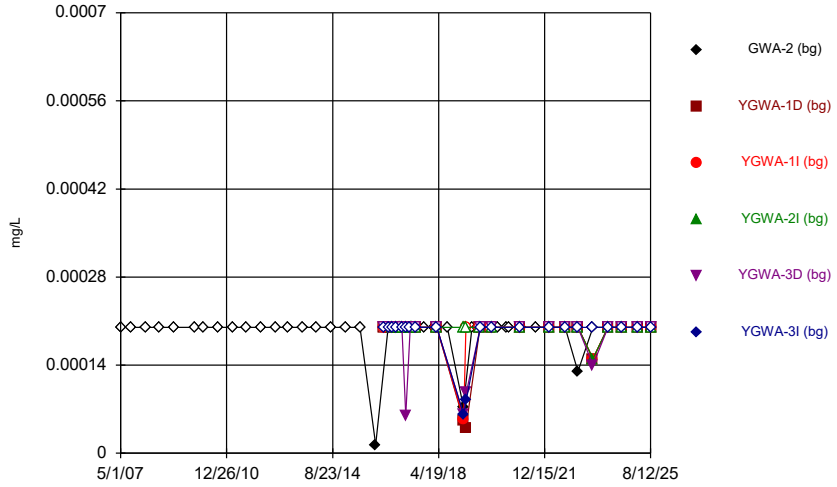
Time Series



Constituent: Lithium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

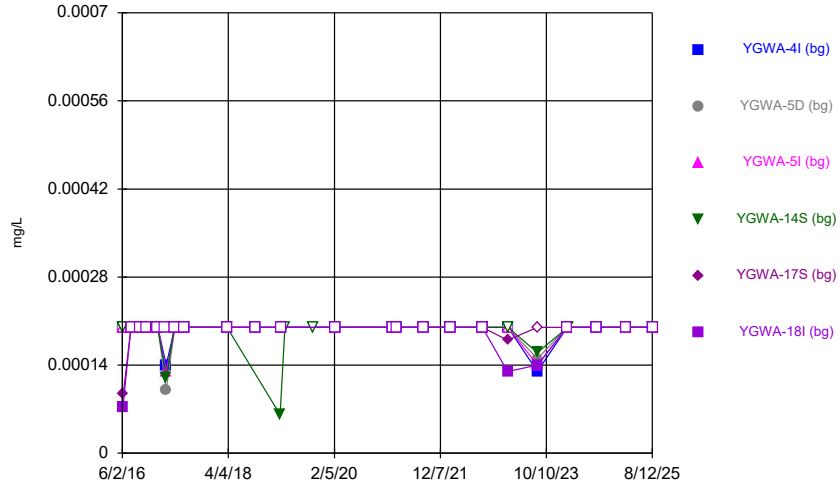
Time Series



Constituent: Mercury Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

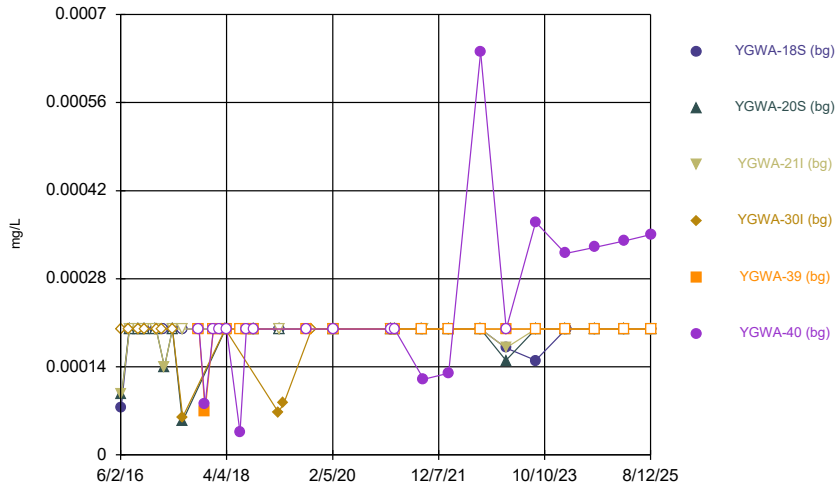
Time Series



Constituent: Mercury Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

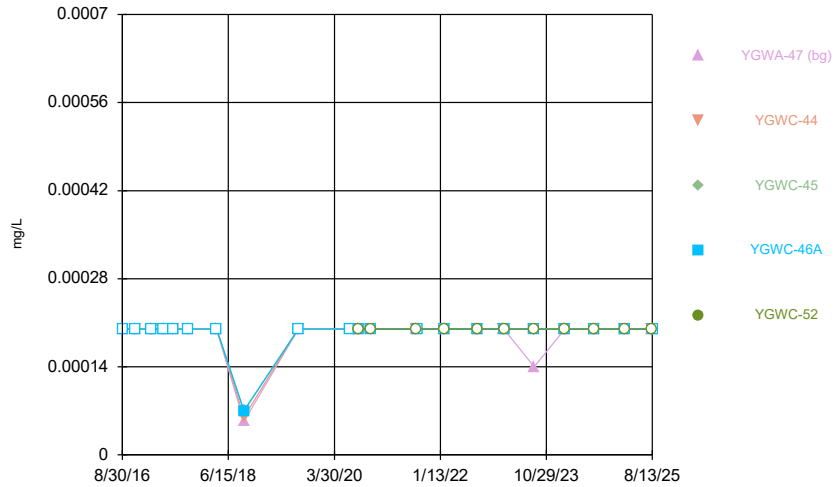
Time Series



Constituent: Mercury Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

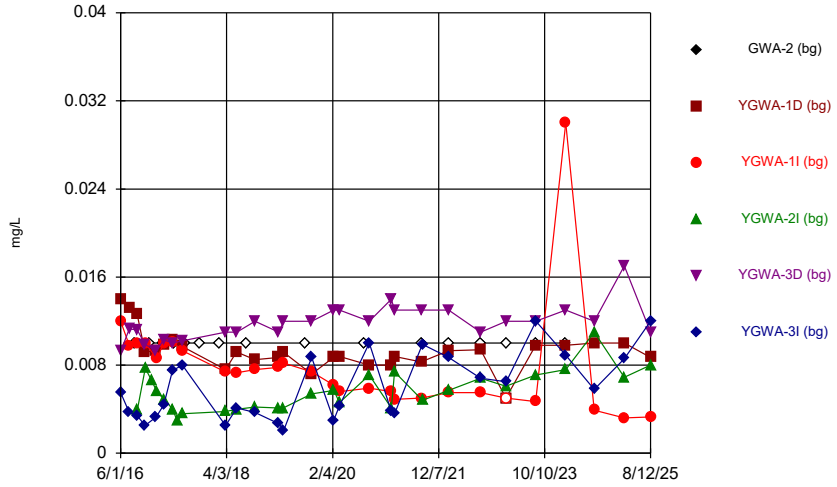
Time Series



Constituent: Mercury Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
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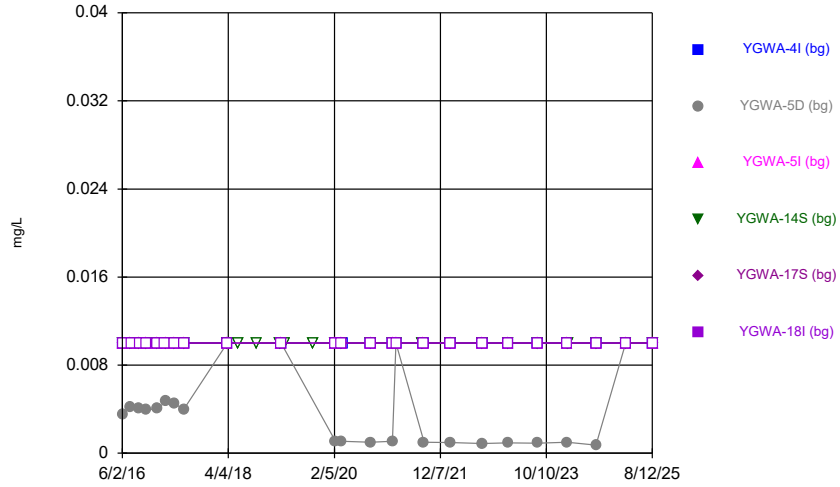
Time Series



Constituent: Molybdenum Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

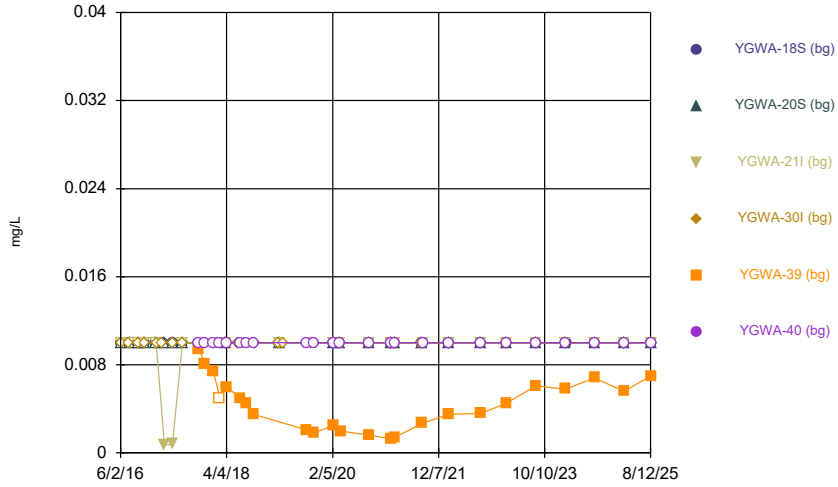
Time Series



Constituent: Molybdenum Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

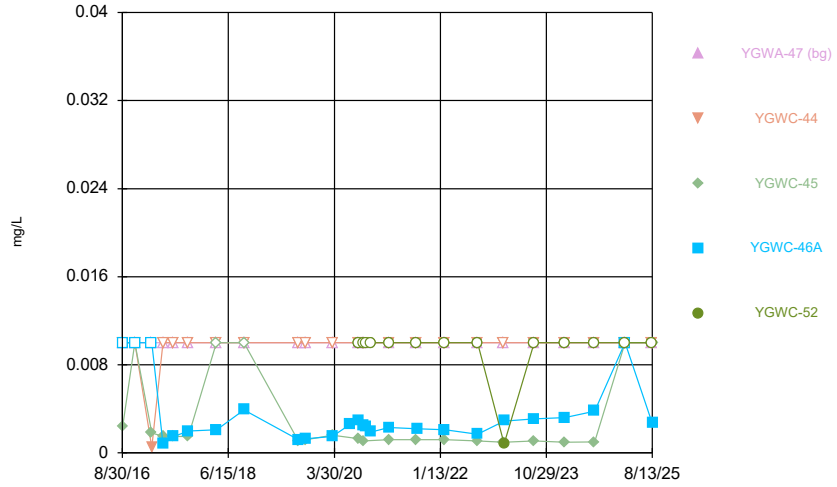
Time Series



Constituent: Molybdenum Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

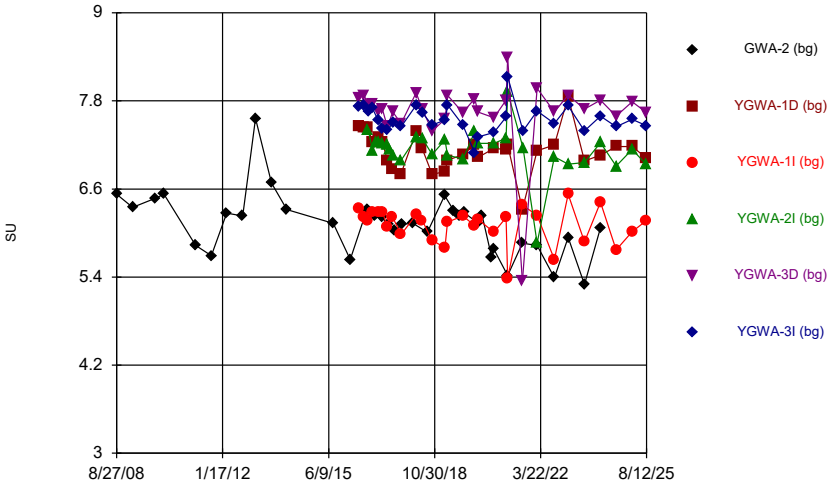
Time Series



Constituent: Molybdenum Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

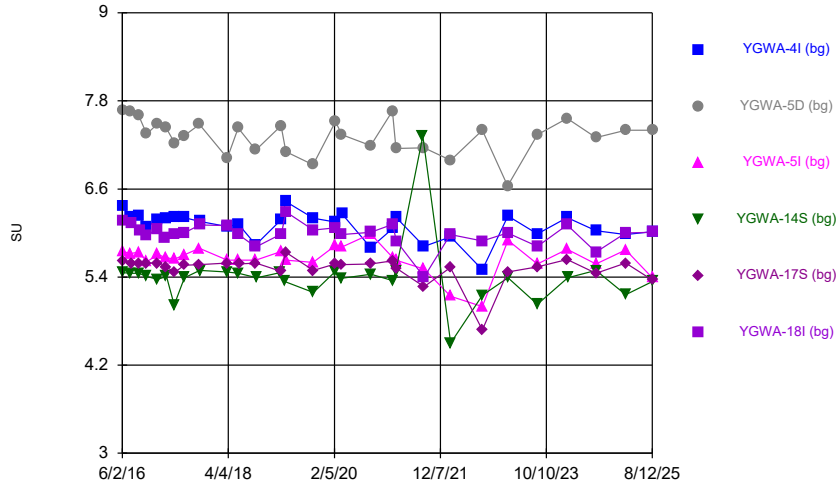
Time Series



Constituent: pH, Field Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

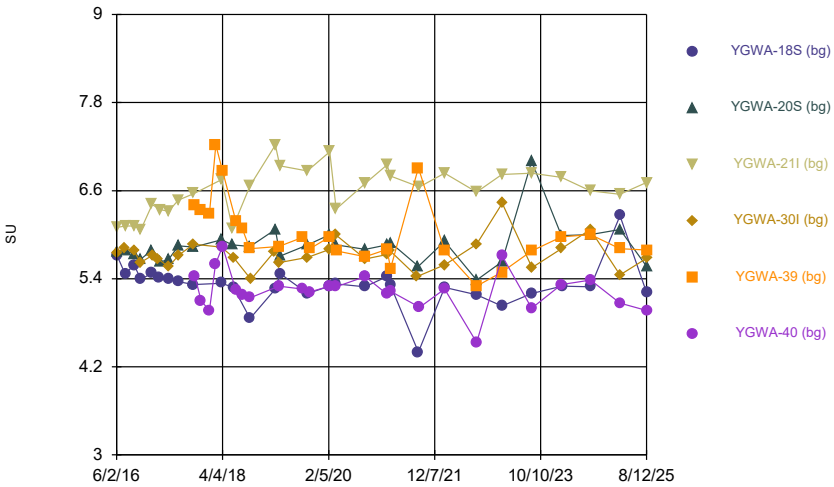
Time Series



Constituent: pH, Field Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

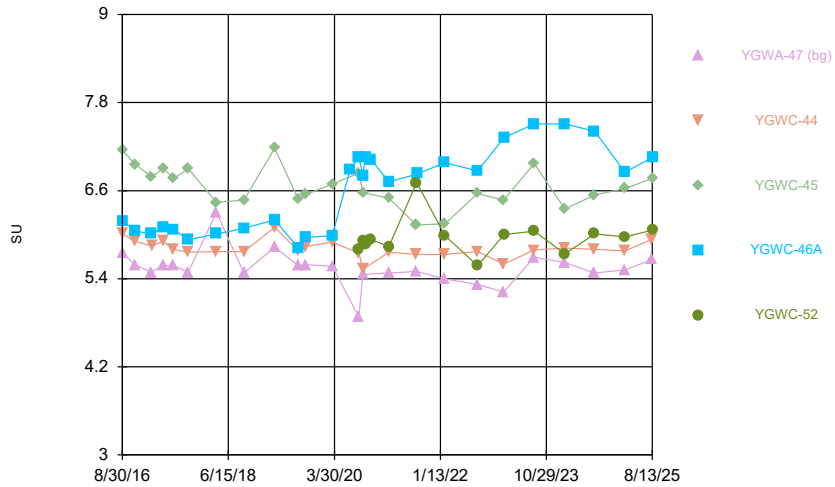
Time Series



Constituent: pH, Field Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

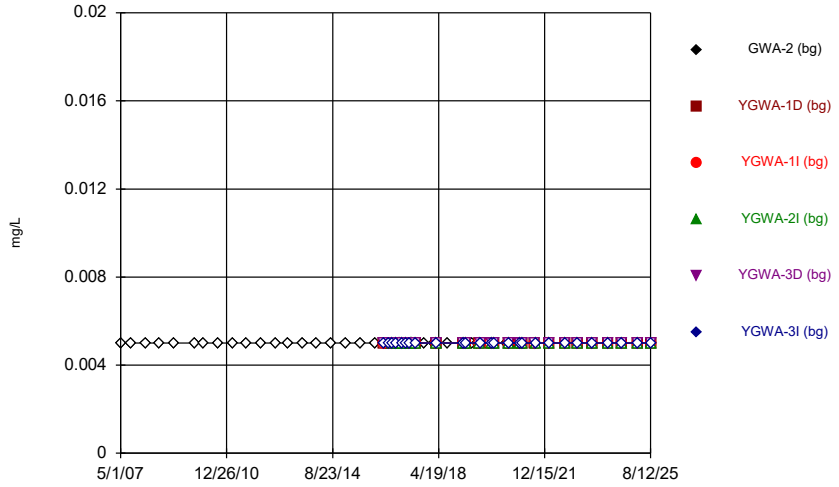
Time Series



Constituent: pH, Field Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

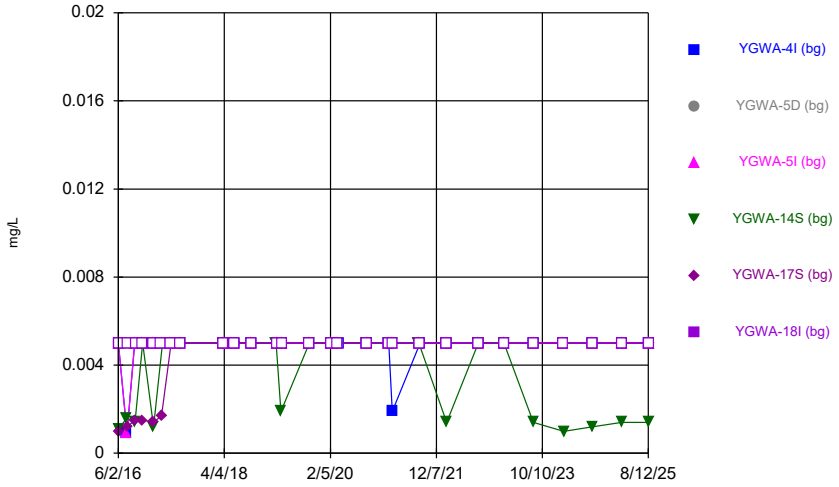
Time Series



Constituent: Selenium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

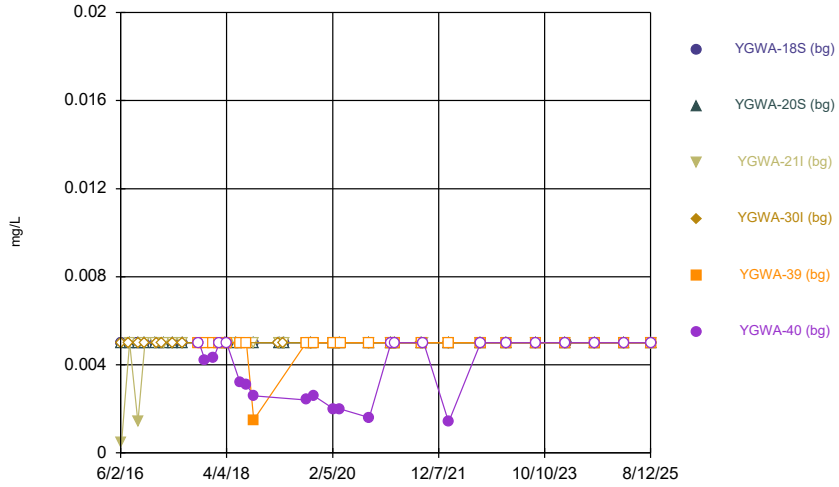
Time Series



Constituent: Selenium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

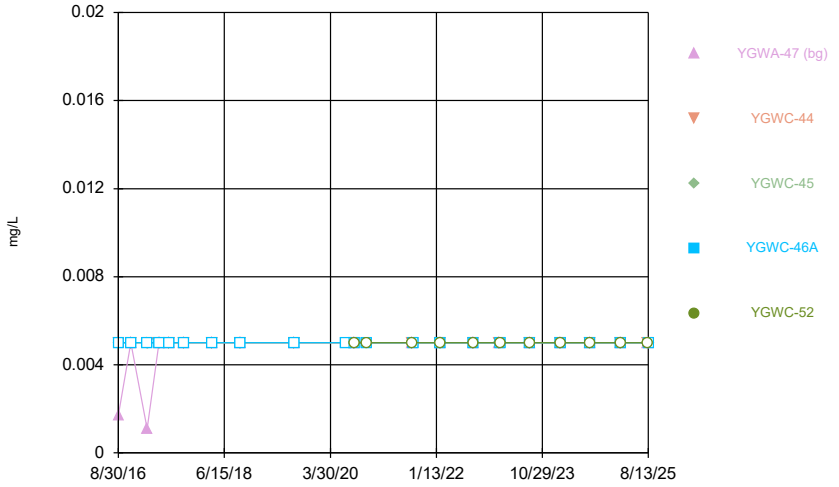
Time Series



Constituent: Selenium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

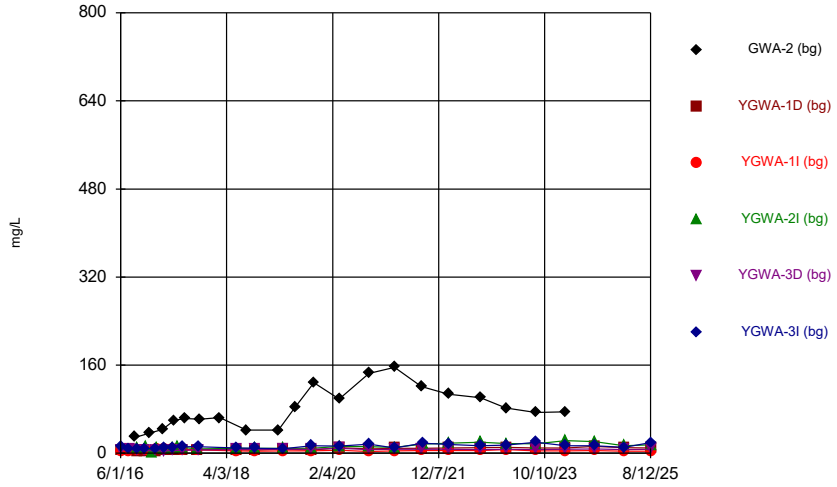
Time Series



Constituent: Selenium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Time Series



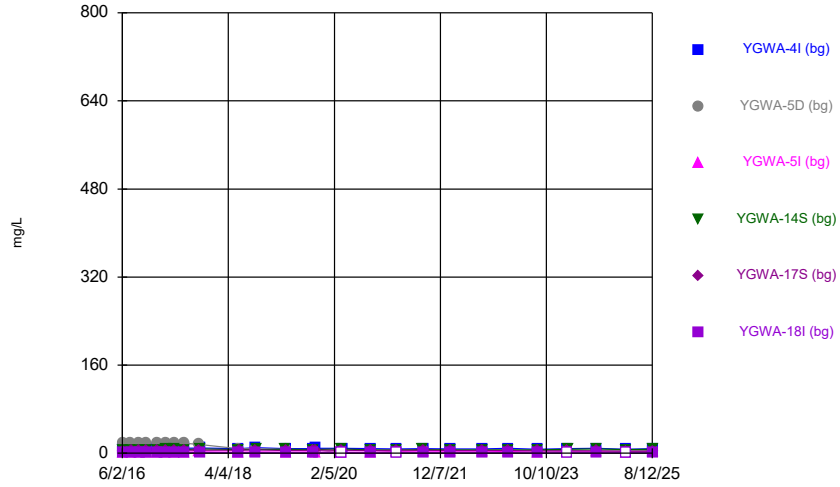
Constituent: Sulfate Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



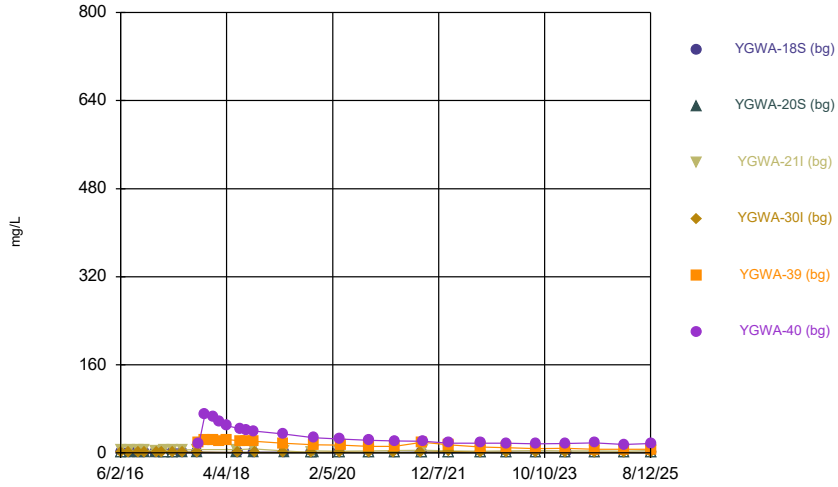
Constituent: Sulfate Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



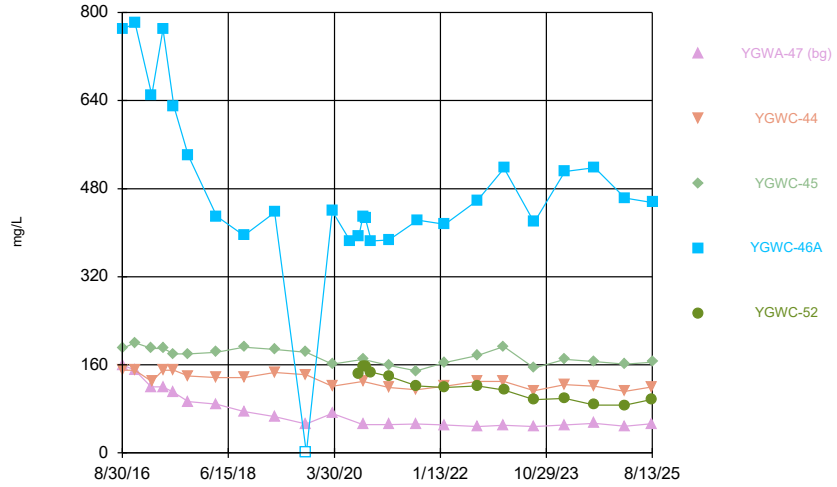
Constituent: Sulfate Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

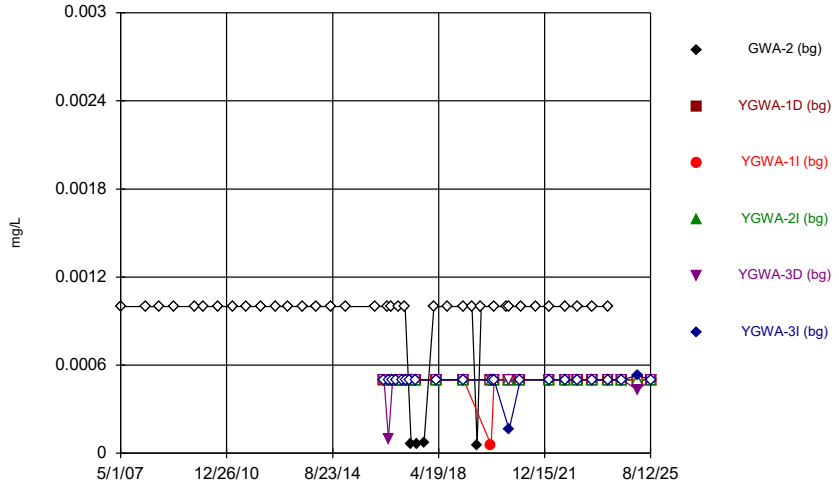


Constituent: Sulfate Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

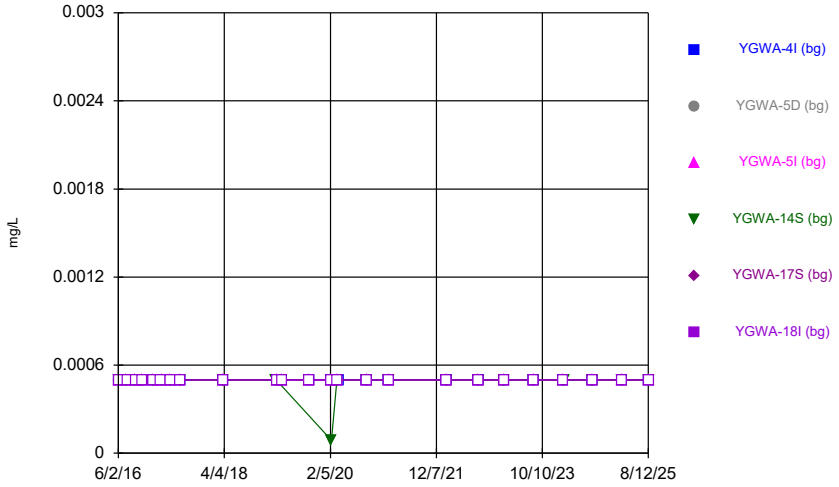
Time Series



Constituent: Thallium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

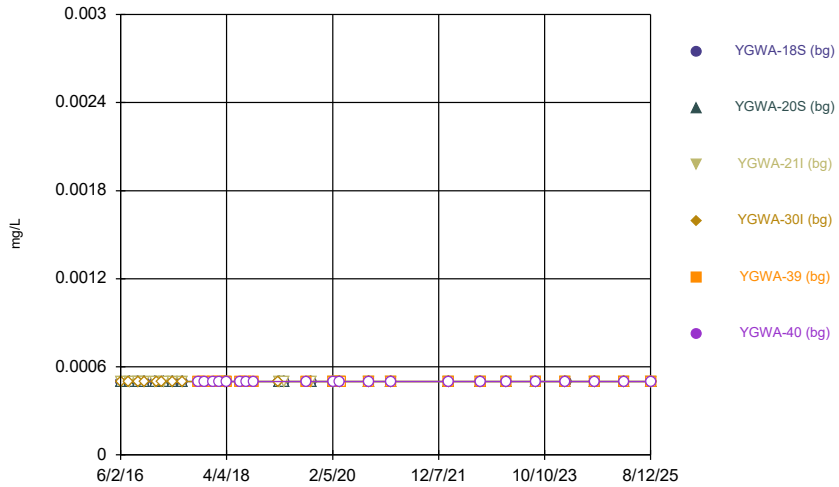
Time Series



Constituent: Thallium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

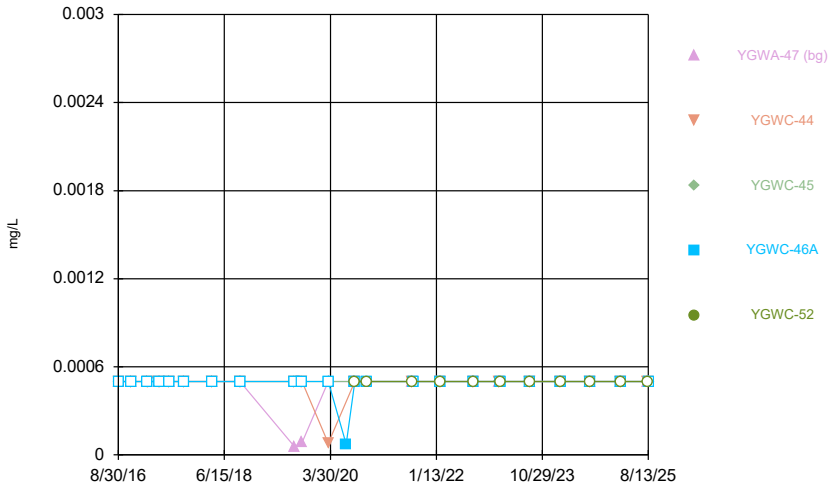
Time Series



Constituent: Thallium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

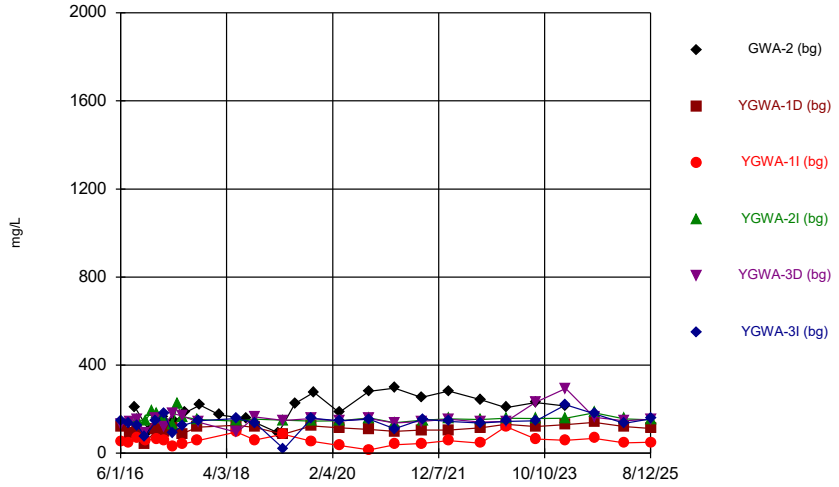
Time Series



Constituent: Thallium Analysis Run 2/10/2026 10:37 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Time Series

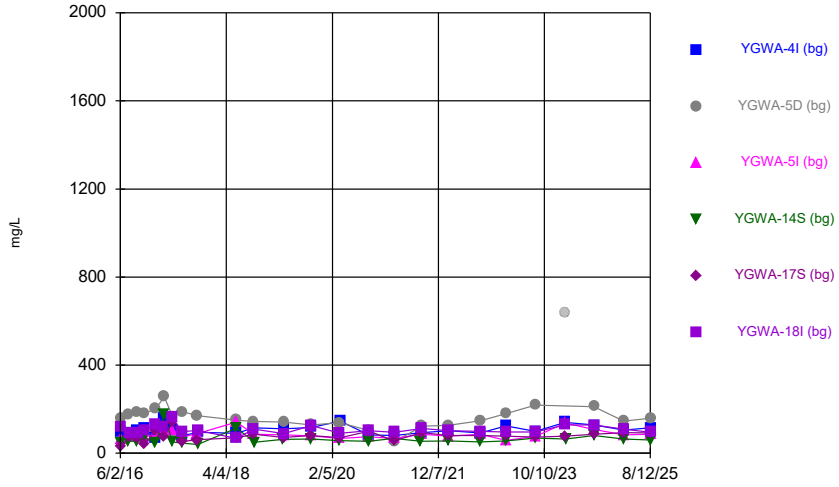


Constituent: Total Dissolved Solids [TDS] Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Time Series

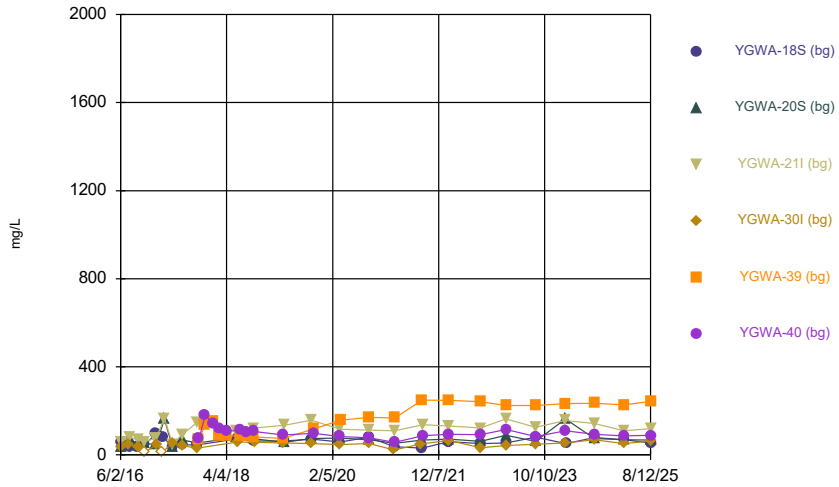


Constituent: Total Dissolved Solids [TDS] Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

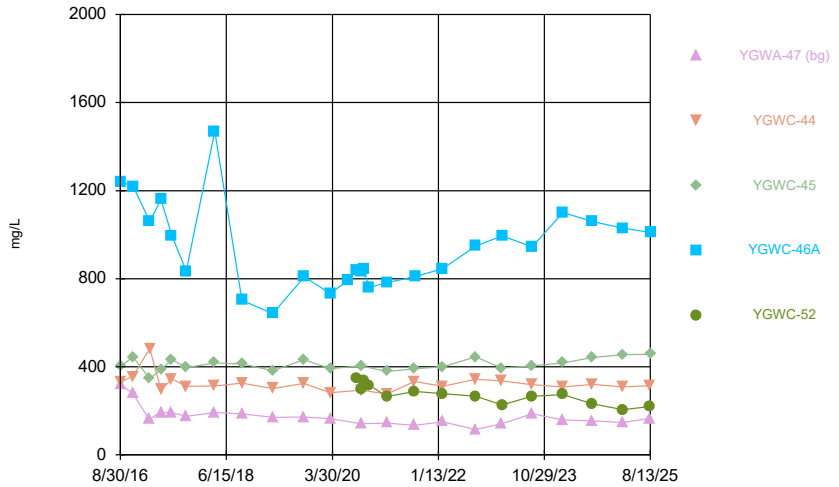


Constituent: Total Dissolved Solids [TDS] Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/10/2026 10:37 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Time Series

Constituent: Antimony (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	<0.003					
9/12/2007	<0.003					
3/20/2008	<0.003					
8/27/2008	<0.003					
3/3/2009	<0.003					
11/18/2009	<0.003					
3/3/2010	<0.003					
9/8/2010	<0.003					
3/10/2011	<0.003					
9/8/2011	<0.003					
3/5/2012	<0.003					
9/10/2012	<0.003					
2/6/2013	<0.003					
8/12/2013	<0.003					
2/5/2014	<0.003					
8/5/2014	<0.003					
2/4/2015	<0.003					
8/3/2015	<0.003					
2/16/2016	<0.003					
6/1/2016		<0.002	<0.002			<0.002
6/2/2016					<0.002	
7/21/2016	0.0007 (J)					
7/25/2016			0.001 (J)			<0.002
7/26/2016		0.001 (J)			0.002 (J)	
8/31/2016	<0.003					
9/13/2016		0.001 (J)	<0.002			
9/14/2016				<0.002		<0.002
9/15/2016					0.0027 (J)	
11/1/2016		0.0015 (J)			<0.002	<0.002
11/4/2016			<0.002	<0.002		
11/28/2016	0.0014 (J)					
12/15/2016				0.0012 (J)		
1/11/2017		<0.002			<0.002	<0.002
1/16/2017			<0.002	<0.002		
2/22/2017	<0.003					
3/1/2017						<0.002
3/2/2017		0.0004 (J)	<0.002		0.0008 (J)	
3/3/2017				<0.002		
4/26/2017					<0.002	<0.002
4/27/2017		0.0004 (J)	0.0017 (J)			
4/28/2017				0.0015 (J)		
5/8/2017	<0.003					
5/26/2017				0.0005 (J)		
6/27/2017		<0.002	<0.002			
6/28/2017				<0.002	<0.002	<0.002
7/17/2017	<0.003					
10/16/2017	<0.003					
2/19/2018	<0.003					
3/27/2018			<0.002			
3/28/2018				<0.002	<0.002	<0.002
3/29/2018		<0.002				
8/6/2018	<0.003					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
2/25/2019	<0.003					
2/27/2019		<0.002	<0.002	<0.002	<0.002	<0.002
6/12/2019	<0.003					
8/19/2019	<0.003					
10/8/2019	<0.003					
2/10/2020		0.00088 (J)	<0.002			
2/11/2020				0.00036 (J)		<0.002
2/12/2020					<0.002	
3/17/2020	<0.003					
3/18/2020			0.0004 (J)			
3/19/2020		<0.002		0.0003 (J)	0.00064 (J)	<0.002
8/26/2020	0.00042 (J)					
9/22/2020	0.00044 (J)					
9/23/2020		<0.002	<0.002	<0.002	<0.002	<0.002
2/10/2021				0.0013 (J)	<0.002	<0.002
2/12/2021		<0.002	<0.002			
3/2/2021	<0.003					
3/3/2021		<0.002	<0.002	<0.002	<0.002	<0.002
8/19/2021		<0.002	<0.002		<0.002	
8/20/2021	<0.003					
8/27/2021				<0.002		<0.002
2/8/2022	<0.003					
2/9/2022		<0.002	<0.002	<0.002	0.0018 (J)	<0.002
8/30/2022	<0.003	<0.002		<0.002		
8/31/2022			<0.002		<0.002	<0.002
2/7/2023	<0.003	<0.002	<0.002	<0.002		
2/8/2023					<0.002	<0.002
8/15/2023	<0.003	<0.002	<0.002	<0.002	<0.002	
8/16/2023						<0.002
2/20/2024	0.0026 (J)	0.0023 (J)	<0.002	0.00067 (J)	<0.002	<0.002
8/20/2024		0.00088 (J)	<0.002	<0.002	<0.002	<0.002
2/25/2025		<0.002	<0.002	<0.002	0.00072 (J)	<0.002
8/12/2025		<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.002	<0.002	<0.002	<0.002		
6/6/2016						<0.002
6/7/2016					<0.002	
7/26/2016	0.0003 (J)	<0.002	<0.002	0.0005 (J)		
7/27/2016					<0.002	0.0005 (J)
9/14/2016	<0.002	<0.002	<0.002			
9/15/2016				<0.002		
9/16/2016					<0.002	
9/19/2016						<0.002
11/2/2016	<0.002	<0.002		<0.002		
11/3/2016					<0.002	<0.002
11/4/2016			<0.002			
1/10/2017				<0.002		
1/11/2017					<0.002	<0.002
1/12/2017		<0.002	<0.002			
1/13/2017	<0.002					
3/1/2017						<0.002
3/2/2017					<0.002	
3/6/2017	<0.002					
3/7/2017		<0.002	<0.002			
3/8/2017				<0.002		
4/26/2017				<0.002		<0.002
5/1/2017	<0.002	<0.002				
5/2/2017			<0.002		<0.002	
6/27/2017		<0.002	<0.002			
6/28/2017						<0.002
6/29/2017	<0.002				<0.002	
6/30/2017				<0.002		
3/27/2018				<0.002		
3/28/2018					<0.002	<0.002
3/29/2018	<0.002	<0.002	<0.002			
2/26/2019				<0.002		
3/4/2019	<0.002	<0.002	<0.002			
3/5/2019					<0.002	
3/6/2019						<0.002
4/2/2019					<0.002	
4/3/2019	<0.002	<0.002	<0.002			<0.002
9/24/2019		<0.002	<0.002			
9/25/2019	<0.002				<0.002	
9/26/2019						0.00056 (J)
2/11/2020					<0.002	<0.002
2/12/2020	<0.002	<0.002	<0.002	<0.002		
3/18/2020				<0.002		
3/24/2020		<0.002	<0.002		<0.002	<0.002
3/25/2020	<0.002					
9/22/2020	<0.002	<0.002	<0.002			
9/23/2020					<0.002	<0.002
9/25/2020				<0.002		
2/8/2021		<0.002	<0.002			
2/9/2021	<0.002				<0.002	<0.002
2/10/2021				<0.002		
3/2/2021		<0.002	<0.002	<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
3/3/2021	<0.002				<0.002	<0.002
8/19/2021				<0.002		
8/26/2021	<0.002	<0.002	<0.002			
8/27/2021					<0.002	<0.002
2/9/2022					<0.002	<0.002
2/10/2022		<0.002	<0.002	<0.002		
2/11/2022	<0.002					
8/30/2022		<0.002	<0.002		<0.002	<0.002
8/31/2022	<0.002			<0.002		
2/7/2023		<0.002			0.0013 (J)	<0.002
2/8/2023				<0.002		
2/9/2023	<0.002		<0.002			
8/15/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/20/2024	0.00061 (J)	<0.002	<0.002		<0.002	<0.002
2/23/2024				<0.002		
8/20/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/25/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/12/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.002		
6/6/2016	<0.002					
6/7/2016		<0.002	<0.003			
7/25/2016				0.0007 (J)		
7/27/2016	<0.002	<0.002				
7/28/2016			<0.003			
9/16/2016	<0.002					
9/19/2016		<0.002	0.001 (J)	<0.002		
11/1/2016				<0.002		
11/2/2016		<0.002				
11/3/2016	<0.002		<0.003			
1/11/2017	<0.002					
1/13/2017		<0.002	<0.003			
1/16/2017				<0.002		
2/21/2017				<0.002		
3/1/2017	<0.002					
3/6/2017		<0.002	0.0005 (J)			
4/26/2017	<0.002	<0.002	<0.003	<0.002		
6/28/2017	<0.002					
6/29/2017		<0.002	<0.003			
6/30/2017				<0.002		
10/11/2017					0.0006 (J)	
10/12/2017						<0.002
11/20/2017					<0.002	<0.002
1/10/2018						<0.002
1/11/2018					<0.002	
2/19/2018						<0.002
2/20/2018					<0.002	
3/27/2018				<0.002		
3/28/2018	<0.002					
3/29/2018		<0.002	<0.003			
4/3/2018					<0.002	<0.002
6/28/2018					<0.002	<0.002
8/7/2018					<0.002	<0.002
9/24/2018					<0.002	<0.002
2/26/2019				<0.002		
3/5/2019	<0.002	<0.002	0.0011 (J)			
4/2/2019			0.0011 (J)			
4/3/2019	<0.002	<0.002				
8/21/2019					<0.002	<0.002
9/24/2019			0.0035			
9/25/2019		<0.002				
9/26/2019	<0.002					
2/11/2020	<0.002					
2/12/2020		<0.002	0.0015 (J)	<0.002	<0.002	<0.002
3/19/2020				<0.002		
3/24/2020	<0.002	<0.002	0.0017 (J)			<0.002
3/25/2020					0.0014 (J)	
9/23/2020	<0.002					
9/24/2020		<0.002	0.0047	<0.002	<0.002	<0.002
2/9/2021	<0.002	0.00032 (J)	0.0013 (J)			
2/10/2021					<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
2/11/2021				<0.002		
3/1/2021				<0.002		
3/3/2021	0.00067 (J)	<0.002				
3/4/2021			0.0014 (J)		<0.002	<0.002
8/19/2021				<0.002		
8/26/2021	<0.002				<0.002	
8/27/2021		<0.002				
9/1/2021			<0.003			
9/3/2021						<0.002
2/8/2022					<0.002	<0.002
2/9/2022	<0.002	<0.002	<0.003			
2/11/2022				<0.002		
8/30/2022	<0.002		0.0046			
8/31/2022		<0.002		<0.002	<0.002	<0.002
2/7/2023	<0.002	<0.002	<0.003		<0.002	
2/8/2023				<0.002		<0.002
8/15/2023	<0.002	<0.002	<0.003		<0.002	<0.002
8/16/2023				<0.002		
2/20/2024		<0.002	0.0013 (J)	<0.002	<0.002	<0.002
2/23/2024	<0.002					
8/20/2024		<0.002	<0.003	<0.002		
8/21/2024	<0.002				<0.002	<0.002
2/25/2025	<0.002	<0.002	0.00054 (J)	<0.002	<0.002	<0.002
8/12/2025	<0.002	<0.002	0.00064 (J)	<0.002	<0.002	<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	0.0028 (J)				
8/31/2016		<0.002	<0.002		
9/1/2016				<0.002	
11/14/2016	<0.002		<0.002		
11/15/2016		<0.002			
11/16/2016				<0.002	
2/24/2017	<0.002				
2/27/2017			<0.002	<0.002	
2/28/2017		<0.002			
5/8/2017	0.0004 (J)	<0.002		<0.002	
5/9/2017			<0.002		
7/11/2017	0.0006 (J)				
7/13/2017		<0.002	<0.002	<0.002	
10/10/2017	<0.002	<0.002	<0.002		
10/11/2017				<0.002	
4/2/2018	<0.002				
4/3/2018			<0.002		
4/4/2018		<0.002		<0.002	
9/19/2018	<0.002	<0.002	<0.002	<0.002	
8/20/2019	<0.002	<0.002	<0.002		
8/21/2019				<0.002	
7/6/2020				<0.002	
8/27/2020	0.00048 (J)	<0.002			<0.002
8/28/2020			0.0017 (J)	0.00029 (J)	
9/22/2020	<0.002	<0.002			<0.002
9/23/2020			<0.002	<0.002	
10/7/2020				<0.002	<0.002
11/12/2020				<0.002	<0.002
3/1/2021	0.00048 (J)	<0.002	<0.002		<0.002
3/2/2021				<0.002	
8/19/2021	<0.002	<0.002	<0.002		
8/20/2021					<0.002
8/27/2021				<0.002	
2/8/2022	<0.002				
2/9/2022		<0.002	<0.002	<0.002	<0.002
8/31/2022	<0.002	<0.002	<0.002	<0.002	<0.002
2/8/2023	<0.002	<0.002			
2/9/2023			<0.002		
2/10/2023				<0.002	<0.002
8/15/2023	<0.002	0.0023 (J)	<0.002	<0.002	<0.002
2/20/2024	<0.002				
2/21/2024		<0.002	<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
2/25/2025	<0.002				
2/26/2025		<0.002	<0.002	<0.002	<0.002
8/12/2025	<0.002	<0.002			<0.002
8/13/2025			<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	<0.005					
9/12/2007	<0.005					
3/20/2008	<0.005					
8/27/2008	<0.005					
3/3/2009	<0.005					
11/18/2009	<0.005					
3/3/2010	<0.005					
9/8/2010	<0.005					
3/10/2011	<0.005					
9/8/2011	<0.005					
3/5/2012	<0.005					
9/10/2012	<0.005					
2/6/2013	<0.005					
8/12/2013	<0.005					
2/5/2014	<0.005					
8/5/2014	<0.005					
2/4/2015	<0.005					
8/3/2015	<0.005					
2/16/2016	<0.005					
6/1/2016		0.0021	<0.002			<0.002
6/2/2016					<0.002	
7/21/2016	<0.005					
7/25/2016			<0.002			<0.002
7/26/2016		0.0016 (J)			<0.002	
8/31/2016	<0.005					
9/13/2016		<0.002	<0.002			
9/14/2016				<0.002		<0.002
9/15/2016					<0.002	
11/1/2016		<0.002			<0.002	<0.002
11/4/2016			<0.002	0.0017 (J)		
11/28/2016	<0.005					
12/15/2016				0.0023 (J)		
1/11/2017		0.0017 (J)			<0.002	<0.002
1/16/2017			<0.002	0.0018 (J)		
2/22/2017	<0.005					
3/1/2017						0.0004 (J)
3/2/2017		0.0014 (J)	<0.002		<0.002	
3/3/2017				0.0016 (J)		
4/26/2017					0.0009 (J)	0.0014 (J)
4/27/2017		0.0018 (J)	<0.002			
4/28/2017				0.002 (J)		
5/8/2017	<0.005					
5/26/2017				0.0005 (J)		
6/27/2017		0.0018 (J)	<0.002			
6/28/2017				0.0016 (J)	0.0007 (J)	0.0011 (J)
7/17/2017	<0.005					
10/16/2017	<0.005					
2/19/2018	<0.005					
3/27/2018			<0.002			
3/28/2018				0.0013 (J)	<0.002	<0.002
3/29/2018		0.0017 (J)				
6/5/2018		0.0013 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/6/2018			<0.002			
6/7/2018				0.00082 (J)	<0.002	
6/8/2018						<0.002
8/6/2018	<0.005					
10/1/2018		0.0016 (J)	<0.002	0.0011 (J)	<0.002	<0.002
2/25/2019	<0.005					
2/27/2019		0.0015 (J)	<0.002	0.001 (J)	<0.002	<0.002
3/28/2019		0.00072 (J)	<0.002			
3/29/2019				0.00063 (J)		
4/1/2019					<0.002	<0.002
6/12/2019	0.00038 (J)					
8/19/2019	0.00095 (J)					
9/24/2019		0.0014 (J)	<0.002	<0.002		
9/25/2019					<0.002	<0.002
10/8/2019	<0.005					
2/10/2020		0.0026 (J)	0.0005 (J)			
2/11/2020				0.0044 (J)		0.0041 (J)
2/12/2020					0.0038 (J)	
3/17/2020	<0.005					
3/18/2020			<0.002			
3/19/2020		0.00095 (J)		0.00066 (J)	<0.002	<0.002
8/26/2020	<0.005					
9/22/2020	<0.005					
9/23/2020		0.0011 (J)	<0.002	0.001 (J)	<0.002	<0.002
2/10/2021				<0.002	0.00094 (J)	0.00078 (J)
2/12/2021		<0.002	<0.002			
3/2/2021	<0.005					
3/3/2021		<0.002	<0.002	0.00098 (J)	<0.002	<0.002
8/19/2021		<0.002	<0.002		<0.002	
8/20/2021	<0.005					
8/27/2021				<0.002		<0.002
2/8/2022	0.0033 (J)					
2/9/2022		0.0031 (J)	0.0033 (J)	0.0037 (J)	0.002 (J)	0.0018 (J)
8/30/2022	0.0024 (J)	<0.002		0.0027 (J)		
8/31/2022			<0.002		0.0028 (J)	<0.002
2/7/2023	<0.005	<0.002	<0.002	<0.002		
2/8/2023					0.003 (J)	0.0024 (J)
8/15/2023	<0.005	<0.002	<0.002	<0.002	<0.002	
8/16/2023						<0.002
2/20/2024	0.0015 (J)	<0.002	<0.002	0.0019 (J)	0.0027 (J)	0.0013 (J)
8/20/2024		0.00099 (J)	<0.002	<0.002	<0.002	<0.002
2/25/2025		0.0016 (J)	<0.002	<0.002	<0.002	<0.002
8/12/2025		<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.002	0.00071 (J)	<0.002	<0.002		
6/6/2016						<0.002
6/7/2016					<0.002	
7/26/2016	<0.002	0.001 (J)	<0.002	<0.002		
7/27/2016					<0.002	<0.002
9/14/2016	<0.002	<0.002	<0.002			
9/15/2016				<0.002		
9/16/2016					<0.002	
9/19/2016						<0.002
11/2/2016	<0.002	<0.002		<0.002		
11/3/2016					<0.002	<0.002
11/4/2016			<0.002			
1/10/2017				<0.002		
1/11/2017					<0.002	<0.002
1/12/2017		<0.002	<0.002			
1/13/2017	<0.002					
3/1/2017						<0.002
3/2/2017					<0.002	
3/6/2017	<0.002					
3/7/2017		0.0012 (J)	<0.002			
3/8/2017				<0.002		
4/26/2017				0.0007 (J)		0.0008 (J)
5/1/2017	<0.002	0.001 (J)				
5/2/2017			0.0006 (J)		<0.002	
6/27/2017		0.0019 (J)	<0.002			
6/28/2017						<0.002
6/29/2017	<0.002				<0.002	
6/30/2017				<0.002		
3/27/2018				<0.002		
3/28/2018					<0.002	<0.002
3/29/2018	<0.002	0.0006 (J)	<0.002			
6/6/2018		0.0013 (J)				
6/7/2018	0.00059 (J)		<0.002			0.00066 (J)
6/8/2018				<0.002		
6/11/2018					<0.002	
9/25/2018					<0.002	<0.002
9/26/2018	<0.002	0.0014 (J)	<0.002			
10/1/2018				<0.002		
2/26/2019				<0.002		
3/4/2019	<0.002	<0.002	<0.002			
3/5/2019					<0.002	
3/6/2019						<0.002
3/29/2019				<0.002		
4/2/2019					<0.002	
4/3/2019	<0.002	<0.002	<0.002			<0.002
9/24/2019		0.00043 (J)	<0.002			
9/25/2019	<0.002			<0.002	<0.002	
9/26/2019						<0.002
2/11/2020					0.0022 (J)	0.0014 (J)
2/12/2020	<0.002	0.0046 (J)	0.002 (J)	<0.002		
3/18/2020				<0.002		
3/24/2020		0.00065 (J)	<0.002		<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
3/25/2020	<0.002					
9/22/2020	<0.002	0.001 (J)	<0.002			
9/23/2020					<0.002	<0.002
9/25/2020				<0.002		
2/8/2021		<0.002	<0.002			
2/9/2021	<0.002				<0.002	<0.002
2/10/2021				<0.002		
3/2/2021		<0.002	<0.002	<0.002		
3/3/2021	<0.002				<0.002	<0.002
8/19/2021				<0.002		
8/26/2021	<0.002	0.0016 (J)	<0.002			
8/27/2021					<0.002	<0.002
2/9/2022					0.0024 (J)	0.0022 (J)
2/10/2022		0.004 (J)	0.0016 (J)	0.0016 (J)		
2/11/2022	0.0014 (J)					
8/30/2022		0.0031 (J)	<0.002		<0.002	<0.002
8/31/2022	<0.002			<0.002		
2/7/2023		0.003 (J)			<0.002	<0.002
2/8/2023				<0.002		
2/9/2023	<0.002		<0.002			
8/15/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/20/2024	<0.002	0.003 (J)	<0.002		<0.002	<0.002
2/23/2024				<0.002		
8/20/2024	<0.002	0.0012 (J)	<0.002	<0.002	<0.002	<0.002
2/25/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/12/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.002		
6/6/2016	<0.002					
6/7/2016		<0.002	<0.002			
7/25/2016				<0.002		
7/27/2016	<0.002	<0.002				
7/28/2016			<0.002			
9/16/2016	<0.002					
9/19/2016		<0.002	<0.002	<0.002		
11/1/2016				<0.002		
11/2/2016		<0.002				
11/3/2016	<0.002		<0.002			
1/11/2017	<0.002					
1/13/2017		<0.002	<0.002			
1/16/2017				<0.002		
2/21/2017				<0.002		
3/1/2017	<0.002					
3/6/2017		<0.002	0.0017 (J)			
4/26/2017	<0.002	<0.002	0.0017 (J)	<0.002		
6/28/2017	<0.002					
6/29/2017		<0.002	0.0012 (J)			
6/30/2017				<0.002		
10/11/2017					0.0009 (J)	
10/12/2017						<0.002
11/20/2017					<0.002	<0.002
1/10/2018						<0.002
1/11/2018					<0.002	
2/19/2018						<0.002
2/20/2018					<0.002	
3/27/2018				<0.002		
3/28/2018	0.00061 (J)					
3/29/2018		<0.002	0.0015 (J)			
4/3/2018					<0.002	<0.002
6/5/2018			0.0013 (J)			
6/6/2018		<0.002				
6/11/2018	<0.002			<0.002		
6/28/2018					<0.002	<0.002
8/7/2018					<0.002	<0.002
9/24/2018					<0.002	<0.002
9/25/2018	<0.002	<0.002	0.0022 (J)			
10/2/2018				<0.002		
2/26/2019				<0.002		
3/5/2019	<0.002	<0.002	0.0013 (J)			
4/1/2019				<0.002		
4/2/2019			0.00096 (J)			
4/3/2019	<0.002	<0.002				
8/21/2019					0.00058 (J)	<0.002
9/24/2019			0.0026 (J)			
9/25/2019		<0.002		<0.002		
9/26/2019	<0.002					
10/9/2019					0.00063 (J)	<0.002
2/11/2020	0.0026 (J)					
2/12/2020		<0.002	0.0025 (J)	0.0032 (J)	0.00058 (J)	0.0034 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
3/19/2020				<0.002		
3/24/2020	<0.002	<0.002	0.0013 (J)			<0.002
3/25/2020					0.0012 (J)	
9/23/2020	<0.002					
9/24/2020		<0.002	0.0014 (J)	<0.002	<0.002	<0.002
2/9/2021	<0.002	<0.002	0.001 (J)			
2/10/2021					<0.002	<0.002
2/11/2021				<0.002		
3/1/2021				<0.002		
3/3/2021	<0.002	<0.002				
3/4/2021			0.00078 (J)		<0.002	<0.002
8/19/2021				<0.002		
8/26/2021	<0.002				<0.002	
8/27/2021		<0.002				
9/1/2021			<0.002			
9/3/2021						<0.002
2/8/2022					0.0034 (J)	0.003 (J)
2/9/2022	0.0024 (J)	0.0021 (J)	0.0036 (J)			
2/11/2022				0.0014 (J)		
8/30/2022	<0.002		0.0022 (J)			
8/31/2022		<0.002		<0.002	0.0029 (J)	<0.002
2/7/2023	<0.002	<0.002	0.0028 (J)		0.0029 (J)	
2/8/2023				<0.002		<0.002
8/15/2023	<0.002	<0.002	<0.002		<0.002	<0.002
8/16/2023				<0.002		
2/20/2024		<0.002	<0.002	<0.002	0.002 (J)	0.0012 (J)
2/23/2024	<0.002					
8/20/2024		<0.002	<0.002	<0.002		
8/21/2024	<0.002				0.0027 (J)	0.0014 (J)
2/25/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/12/2025	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	<0.002				
8/31/2016		<0.002	<0.002		
9/1/2016				<0.002	
11/14/2016	<0.002		<0.002		
11/15/2016		<0.002			
11/16/2016				<0.002	
2/24/2017	<0.002				
2/27/2017			<0.002	<0.002	
2/28/2017		0.0005 (J)			
5/8/2017	<0.002	0.0006 (J)		0.0007 (J)	
5/9/2017			<0.002		
7/11/2017	<0.002				
7/13/2017		<0.002	<0.002	0.0011 (J)	
10/10/2017	0.0007 (J)	0.0007 (J)	0.0006 (J)		
10/11/2017				0.0011 (J)	
4/2/2018	<0.002				
4/3/2018			0.00061 (J)		
4/4/2018		<0.002		0.00087 (J)	
9/19/2018	0.00072 (J)	0.00086 (J)	0.00072 (J)	0.0012 (J)	
8/20/2019	<0.002	0.00097 (J)	0.00078 (J)		
8/21/2019				0.00074 (J)	
10/8/2019	<0.002	<0.002			
10/9/2019			<0.002	<0.002	
3/17/2020	<0.002	<0.002	<0.002	<0.002	
7/6/2020				0.00079 (J)	
8/27/2020	<0.002	<0.002			<0.002
8/28/2020			<0.002	0.0015 (J)	
9/22/2020	<0.002	<0.002			<0.002
9/23/2020			<0.002	0.00091 (J)	
10/7/2020				0.001 (J)	<0.002
11/12/2020				0.0014 (J)	<0.002
3/1/2021	<0.002	<0.002	<0.002		<0.002
3/2/2021				0.0016 (J)	
8/19/2021	<0.002	<0.002	<0.002		
8/20/2021					<0.002
8/27/2021				0.0022 (J)	
2/8/2022	0.0027 (J)				
2/9/2022		<0.002	<0.002	<0.002	<0.002
8/31/2022	<0.002	<0.002	<0.002	<0.002	<0.002
2/8/2023	<0.002	<0.002			
2/9/2023			<0.002		
2/10/2023				<0.002	<0.002
8/15/2023	<0.002	<0.002	<0.002	<0.002	<0.002
2/20/2024	<0.002				
2/21/2024		0.0041 (J)	0.0028 (J)	0.0024 (J)	0.0044 (J)
8/20/2024	<0.002				
8/21/2024		0.0043 (J)	<0.002	0.002 (J)	
8/22/2024					<0.002
2/25/2025	<0.002				
2/26/2025		<0.002	<0.002	<0.002	<0.002
8/12/2025	<0.002	<0.002			<0.002
8/13/2025			<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	0.032					
9/12/2007	0.017					
3/20/2008	0.025					
8/27/2008	0.041					
3/3/2009	0.053					
11/18/2009	0.05					
3/3/2010	0.061					
9/8/2010	0.071					
3/10/2011	0.057					
9/8/2011	0.057					
3/5/2012	0.061					
9/10/2012	0.055					
2/6/2013	0.061					
8/12/2013	0.055					
2/5/2014	0.063					
8/5/2014	0.038					
2/4/2015	0.039					
8/3/2015	0.031					
2/16/2016	0.045					
6/1/2016		0.008	0.012			0.0038
6/2/2016					0.01	
7/21/2016	0.0457					
7/25/2016			0.0091 (J)			0.0031 (J)
7/26/2016		0.006 (J)			0.0088 (J)	
8/31/2016	0.0542					
9/13/2016		0.0084 (J)	0.008 (J)			
9/14/2016				0.0037 (J)		0.0027 (J)
9/15/2016					0.009 (J)	
11/1/2016		0.0062 (J)			0.0079 (J)	0.0027 (J)
11/4/2016			0.0067 (J)	0.0059 (J)		
11/28/2016	0.0529					
12/15/2016				0.0056 (J)		
1/11/2017		0.0069 (J)			0.0075 (J)	0.0036 (J)
1/16/2017			0.0096 (J)	0.0049 (J)		
2/22/2017	0.0607					
3/1/2017						0.0036 (J)
3/2/2017		0.0071 (J)	0.0112		0.009 (J)	
3/3/2017				0.0046 (J)		
4/26/2017					0.0078 (J)	0.0038 (J)
4/27/2017		0.0064 (J)	0.0106			
4/28/2017				0.0039 (J)		
5/8/2017	0.065					
5/26/2017				0.0034 (J)		
6/27/2017		0.0054 (J)	0.0092 (J)			
6/28/2017				0.003 (J)	0.0071 (J)	0.004 (J)
7/17/2017	0.06					
10/16/2017	0.0542					
2/19/2018	0.0533					
3/27/2018			<0.01			
3/28/2018				<0.01	<0.01	<0.01
3/29/2018		<0.01				
6/5/2018		0.0069 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/6/2018			0.0082 (J)			
6/7/2018				0.0037 (J)	0.0068 (J)	
6/8/2018						0.0034 (J)
8/6/2018	0.044					
10/1/2018		0.0062 (J)	0.0084 (J)	0.0038 (J)	0.0065 (J)	0.0034 (J)
2/25/2019	0.045					
2/27/2019		0.0074 (J)	0.008 (J)	0.0035 (J)	0.0059 (J)	0.0034 (J)
3/28/2019		0.0082 (J)	0.0082 (J)			
3/29/2019				0.0039 (J)		
4/1/2019					0.0064 (J)	0.003 (J)
6/12/2019	0.063					
8/19/2019	0.065					
9/24/2019		0.0072 (J)	0.0086 (J)	0.0038 (J)		
9/25/2019					0.0059 (J)	0.005 (J)
10/8/2019	0.058					
2/10/2020		0.0066 (J)	0.0091 (J)			
2/11/2020				0.0036 (J)		0.0031 (J)
2/12/2020					0.0062 (J)	
3/17/2020	0.047					
3/18/2020			0.0084 (J)			
3/19/2020		0.0076 (J)		0.0036 (J)	0.0072 (J)	0.0029 (J)
8/26/2020	0.044					
9/22/2020	0.045					
9/23/2020		0.0068 (J)	0.0079 (J)	0.0039 (J)	0.0051 (J)	0.0039 (J)
2/10/2021				0.0032 (J)	0.0059 (J)	0.0029 (J)
2/12/2021		0.0057 (J)	0.009 (J)			
3/2/2021	0.039					
3/3/2021		0.0068	0.0094	0.0041 (J)	0.0064	0.0031 (J)
8/19/2021		0.0065	0.0079		0.0052	
8/20/2021	0.036					
8/27/2021				0.003 (J)		0.0039 (J)
2/8/2022	0.037					
2/9/2022		0.0067	0.0088	0.0029 (J)	0.0051	0.0031 (J)
8/30/2022	0.031	0.0066		0.003 (J)		
8/31/2022			0.0074		0.0048 (J)	0.003 (J)
2/7/2023	0.034	0.14	0.21	0.0026 (J)		
2/8/2023					0.0048 (J)	0.0029 (J)
8/15/2023	0.03	0.0059	0.0078	0.0031 (J)	0.0046 (J)	
8/16/2023						0.0037 (J)
2/20/2024	0.035	0.0062	0.004 (J)	0.0044 (J)	0.0045 (J)	0.0032 (J)
8/20/2024		0.0061	0.0072	0.0033 (J)	0.0044 (J)	0.0027 (J)
2/25/2025		0.0071	0.0083	0.0037 (J)	0.0059	0.0036 (J)
8/12/2025		0.0065	0.0079	0.0029 (J)	0.0045 (J)	0.0033 (J)

Time Series

Constituent: Barium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	0.013	0.0084	0.019	0.0081		
6/6/2016						0.028
6/7/2016					0.012	
7/26/2016	0.0158	0.01	0.0179	0.0082 (J)		
7/27/2016					0.0126	0.0294
9/14/2016	0.0143	0.0085 (J)	0.0181			
9/15/2016				0.0087 (J)		
9/16/2016					0.0127	
9/19/2016						0.0247
11/2/2016	0.0148	0.0091 (J)		0.0082 (J)		
11/3/2016					0.0128	0.0248
11/4/2016			0.0165			
1/10/2017				0.0086 (J)		
1/11/2017					0.0142	0.0266
1/12/2017		0.0089 (J)	0.0199			
1/13/2017	0.0146					
3/1/2017						0.0275
3/2/2017					0.0155	
3/6/2017	0.0141					
3/7/2017		0.009 (J)	0.0196			
3/8/2017				0.0088 (J)		
4/26/2017				0.0085 (J)		0.024
5/1/2017	0.0149	0.0083 (J)				
5/2/2017			0.0202		0.0138	
6/27/2017		0.0074 (J)	0.0184			
6/28/2017						0.0237
6/29/2017	0.0154				0.0128	
6/30/2017				0.0081 (J)		
3/27/2018				<0.01		
3/28/2018					0.014	0.024
3/29/2018	0.014	<0.01	0.021			
6/6/2018		0.008 (J)				
6/7/2018	0.014		0.019			0.023
6/8/2018				0.007 (J)		
6/11/2018					0.013	
9/25/2018					0.014	0.023
9/26/2018	0.016	0.0075 (J)	0.019			
10/1/2018				0.007 (J)		
2/26/2019				0.0067 (J)		
3/4/2019	0.016	0.0077 (J)	0.019			
3/5/2019					0.015	
3/6/2019						0.024
3/29/2019				0.0066 (J)		
4/2/2019					0.016	
4/3/2019	0.017	0.0087 (J)	0.023			0.025
9/24/2019		0.0075 (J)	0.019			
9/25/2019	0.015			0.0071 (J)	0.015	
9/26/2019						0.021
2/11/2020					0.015	0.022
2/12/2020	0.012	0.0079 (J)	0.021	0.007 (J)		
3/18/2020				0.0076 (J)		
3/24/2020		0.0076 (J)	0.021		0.015	0.021

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
3/25/2020	0.016					
9/22/2020	0.013	0.0076 (J)	0.019			
9/23/2020					0.015	0.021
9/25/2020				0.0073 (J)		
2/8/2021		0.0079 (J)	0.02			
2/9/2021	0.013				0.016	0.023
2/10/2021				0.0078 (J)		
3/2/2021		0.014	0.019	0.0076		
3/3/2021	0.014				0.017	0.023
8/19/2021				0.0077		
8/26/2021	0.012	0.0092	0.019			
8/27/2021					0.016	0.02
2/9/2022					0.017	0.021
2/10/2022		0.0084	0.02	0.0088		
2/11/2022	0.013					
8/30/2022		0.0079	0.017		0.017	0.017
8/31/2022	0.013			0.0075		
2/7/2023		0.0075			0.017	0.019
2/8/2023				0.0089		
2/9/2023	0.014		0.019			
8/15/2023	0.011	0.0074	0.018	0.0079	0.016	0.02
2/20/2024	0.014	0.0078	0.019		0.017	0.02
2/23/2024				0.0096		
8/20/2024	0.012	0.0066	0.018	0.0075	0.016	0.019
2/25/2025	0.013	0.0081	0.02	0.0084	0.018	0.021
8/12/2025	0.014	0.0073	0.02	0.0075	0.019	0.021

Time Series

Constituent: Barium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				0.0064		
6/6/2016	0.019					
6/7/2016		0.014	0.0058			
7/25/2016				0.0071 (J)		
7/27/2016	0.0167	0.0141				
7/28/2016			0.0068 (J)			
9/16/2016	0.0168					
9/19/2016		0.0155	0.0071 (J)	0.0069 (J)		
11/1/2016				0.007 (J)		
11/2/2016		0.0157				
11/3/2016	0.0159		0.0092 (J)			
1/11/2017	0.0162					
1/13/2017		0.0158	0.0105			
1/16/2017				0.0071 (J)		
2/21/2017				0.0077 (J)		
3/1/2017	0.0195					
3/6/2017		0.0163	0.0105			
4/26/2017	0.0182	0.0177	0.011	0.0074 (J)		
6/28/2017	0.018					
6/29/2017		0.017	0.0109			
6/30/2017				0.0076 (J)		
10/11/2017					0.0092 (J)	
10/12/2017						0.0328
11/20/2017					0.0081 (J)	0.0671
1/10/2018						0.0656
1/11/2018					0.0077 (J)	
2/19/2018						0.06
2/20/2018					<0.01	
3/27/2018				<0.01		
3/28/2018	0.021					
3/29/2018		0.014	<0.01			
4/3/2018					<0.01	0.045
6/5/2018			0.011			
6/6/2018		0.015				
6/11/2018	0.019			0.007 (J)		
6/28/2018					0.0078 (J)	0.047
8/7/2018					0.0078 (J)	0.048
9/24/2018					0.0071 (J)	0.042
9/25/2018	0.019	0.015	0.011			
10/2/2018				0.0069 (J)		
2/26/2019				0.007 (J)		
3/5/2019	0.02	0.016	0.011			
4/1/2019				0.0072 (J)		
4/2/2019			0.011			
4/3/2019	0.017	0.018				
8/21/2019					0.015	0.035
9/24/2019			0.011			
9/25/2019		0.014		0.0066 (J)		
9/26/2019	0.017					
10/9/2019					0.013	0.036
2/11/2020	0.019					
2/12/2020		0.014	0.011	0.0073 (J)	0.011	0.035

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
3/19/2020				0.0074 (J)		
3/24/2020	0.017	0.015	0.011			0.033
3/25/2020					0.014	
9/23/2020	0.016					
9/24/2020		0.015	0.01	0.0062 (J)	0.016	0.028
2/9/2021	0.017	0.015	0.011			
2/10/2021					0.027	0.032
2/11/2021				0.0077 (J)		
3/1/2021				0.007		
3/3/2021	0.017	0.015				
3/4/2021			0.011		0.028	0.032
8/19/2021				0.0071		
8/26/2021	0.015				0.038	
8/27/2021		0.013				
9/1/2021			0.0099			
9/3/2021						0.035
2/8/2022					0.041	0.039
2/9/2022	0.014	0.014	0.011			
2/11/2022				0.0077		
8/30/2022	0.012		0.0085			
8/31/2022		0.011		0.0068	0.035	0.035
2/7/2023	0.012	0.014	0.01		0.03	
2/8/2023				0.0066		0.037
8/15/2023	0.012	0.012	0.0075		0.031	0.034
8/16/2023				0.0066		
2/20/2024		0.013	0.0065	0.0064	0.029	0.033
2/23/2024	0.013					
8/20/2024		0.012	0.0083	0.0067		
8/21/2024	0.015				0.03	0.033
2/25/2025	0.014	0.015	0.0077	0.0076	0.031	0.031
8/12/2025	0.011	0.016	0.0078	0.0072	0.031	0.029

Time Series

Constituent: Barium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	0.0413				
8/31/2016		0.126	0.0754		
9/1/2016				0.0414	
11/14/2016	0.0383		0.0701		
11/15/2016		0.115			
11/16/2016				0.0365	
2/24/2017	0.0351				
2/27/2017			0.0834	0.0326	
2/28/2017		0.121			
5/8/2017	0.0251	0.125		0.0332	
5/9/2017			0.0779		
7/11/2017	0.0233				
7/13/2017		0.106	0.0719	0.0365	
10/10/2017	0.0207	0.112	0.0708		
10/11/2017				0.0288	
4/2/2018	0.022				
4/3/2018			0.068		
4/4/2018		0.12		0.025	
9/19/2018	0.023	0.11	0.064	0.03	
8/20/2019	0.024	0.1	0.057		
8/21/2019				0.023	
10/8/2019	0.025	0.098			
10/9/2019			0.058	0.024	
3/17/2020	0.035	0.099	0.061	0.022	
7/6/2020				0.048	
8/27/2020	0.027	0.086			0.021
8/28/2020			0.053	0.05	
9/22/2020	0.026	0.096			0.021
9/23/2020			0.052	0.045	
10/7/2020				0.042	0.019
11/12/2020				0.042	0.019
3/1/2021	0.029	0.087	0.055		0.019
3/2/2021				0.044	
8/19/2021	0.029	0.089	0.055		
8/20/2021					0.019
8/27/2021				0.043	
2/8/2022	0.03				
2/9/2022		0.083	0.053	0.042	0.018
8/31/2022	0.029	0.073	0.052	0.036	0.017
2/8/2023	0.031	0.081			
2/9/2023			0.049		
2/10/2023				0.041	0.016
8/15/2023	0.032	0.084	0.049	0.04	0.019
2/20/2024	0.031				
2/21/2024		0.069	0.048	0.044	0.018
8/20/2024	0.031				
8/21/2024		0.069	0.054	0.048	
8/22/2024					0.018
2/25/2025	0.033				
2/26/2025		0.068	0.051	0.046	0.018
8/12/2025	0.036	0.065			0.021
8/13/2025			0.051	0.043	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	<0.0005					
9/12/2007	<0.0005					
3/20/2008	<0.0005					
8/27/2008	<0.0005					
3/3/2009	<0.0005					
11/18/2009	<0.0005					
3/3/2010	<0.0005					
9/8/2010	<0.0005					
3/10/2011	<0.0005					
9/8/2011	<0.0005					
3/5/2012	<0.0005					
9/10/2012	<0.0005					
2/6/2013	<0.0005					
8/12/2013	<0.0005					
2/5/2014	<0.0005					
8/5/2014	<0.0005					
2/4/2015	<0.0005					
8/3/2015	<0.0005					
2/16/2016	<0.0005					
6/1/2016		<0.0004	<0.0004			<0.0004
6/2/2016					<0.0004	
7/21/2016	<0.0005					
7/25/2016			<0.0004			<0.0004
7/26/2016		<0.0004			<0.0004	
8/31/2016	<0.0005					
9/13/2016		<0.0004	<0.0004			
9/14/2016				<0.0004		<0.0004
9/15/2016					<0.0004	
11/1/2016		<0.0004			<0.0004	<0.0004
11/4/2016			<0.0004	<0.0004		
11/28/2016	<0.0005					
12/15/2016				<0.0004		
1/11/2017		<0.0004			<0.0004	<0.0004
1/16/2017			<0.0004	<0.0004		
2/22/2017	<0.0005					
3/1/2017						<0.0004
3/2/2017		<0.0004	<0.0004		<0.0004	
3/3/2017				<0.0004		
4/26/2017					<0.0004	<0.0004
4/27/2017		<0.0004	<0.0004			
4/28/2017				<0.0004		
5/8/2017	<0.0005					
5/26/2017				<0.0004		
6/27/2017		<0.0004	<0.0004			
6/28/2017				<0.0004	<0.0004	<0.0004
7/17/2017	<0.0005					
10/16/2017	<0.0005					
2/19/2018	<0.0005					
3/27/2018			<0.0004			
3/28/2018				<0.0004	<0.0004	<0.0004
3/29/2018		<0.0004				
8/6/2018	<0.0005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
2/25/2019	<0.0005					
2/27/2019		<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
3/28/2019		<0.0004	<0.0004			
3/29/2019				<0.0004		
4/1/2019					<0.0004	<0.0004
6/12/2019	<0.0005					
8/19/2019	<0.0005					
9/24/2019		<0.0004	<0.0004	<0.0004		
9/25/2019					<0.0004	<0.0004
10/8/2019	<0.0005					
2/10/2020		<0.0004	<0.0004			
2/11/2020				<0.0004		<0.0004
2/12/2020					<0.0004	
3/17/2020	<0.0005					
3/18/2020			<0.0004			
3/19/2020		<0.0004		<0.0004	<0.0004	<0.0004
8/26/2020	<0.0005					
9/22/2020	<0.0005					
9/23/2020		<0.0004	<0.0004	<0.0004	<0.0004	5.9E-05 (J)
2/10/2021				<0.0004	<0.0004	<0.0004
2/12/2021		<0.0004	<0.0004			
3/2/2021	<0.0005					
3/3/2021		<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
8/19/2021		<0.0004	<0.0004		<0.0004	
8/20/2021	<0.0005					
8/27/2021				<0.0004		<0.0004
2/8/2022	<0.0005					
2/9/2022		<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
8/30/2022	<0.0005	<0.0004		<0.0004		
8/31/2022			<0.0004		<0.0004	<0.0004
2/7/2023	<0.0005	0.0011	0.00054	<0.0004		
2/8/2023					<0.0004	<0.0004
8/15/2023	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	
8/16/2023						<0.0004
2/20/2024	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
8/20/2024		<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
2/25/2025		<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
8/12/2025		<0.0004	<0.0004	<0.0004	<0.0004	<0.0004

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.0004	<0.0004	<0.0004	<0.003		
6/6/2016						<0.0004
6/7/2016					<0.0004	
7/26/2016	<0.0004	<0.0004	<0.0004	0.0002 (J)		
7/27/2016					<0.0004	<0.0004
9/14/2016	<0.0004	<0.0004	<0.0004			
9/15/2016				0.0002 (J)		
9/16/2016					<0.0004	
9/19/2016						<0.0004
11/2/2016	<0.0004	<0.0004		0.0002 (J)		
11/3/2016					<0.0004	<0.0004
11/4/2016			<0.0004			
1/10/2017				0.0002 (J)		
1/11/2017					<0.0004	<0.0004
1/12/2017		<0.0004	<0.0004			
1/13/2017	<0.0004					
3/1/2017						<0.0004
3/2/2017					8E-05 (J)	
3/6/2017	<0.0004					
3/7/2017		<0.0004	<0.0004			
3/8/2017				0.0002 (J)		
4/26/2017				0.0002 (J)		<0.0004
5/1/2017	<0.0004	<0.0004				
5/2/2017			<0.0004		<0.0004	
6/27/2017		<0.0004	<0.0004			
6/28/2017						<0.0004
6/29/2017	<0.0004				<0.0004	
6/30/2017				0.0002 (J)		
3/27/2018				<0.003		
3/28/2018					<0.0004	<0.0004
3/29/2018	<0.0004	<0.0004	<0.0004			
6/6/2018		<0.0004				
6/7/2018	<0.0004		<0.0004			<0.0004
6/11/2018					9E-05 (J)	
9/25/2018					8.9E-05 (J)	<0.0004
9/26/2018	<0.0004	<0.0004	<0.0004			
2/26/2019				0.00016 (J)		
3/4/2019	<0.0004	<0.0004	<0.0004			
3/5/2019					9.1E-05 (J)	
3/6/2019						<0.0004
3/29/2019				0.00017 (J)		
4/2/2019					9E-05 (J)	
4/3/2019	<0.0004	<0.0004	<0.0004			<0.0004
9/24/2019		<0.0004	<0.0004			
9/25/2019	<0.0004			0.00018 (J)	8.1E-05 (J)	
9/26/2019						<0.0004
2/11/2020					7.8E-05 (J)	<0.0004
2/12/2020	<0.0004	<0.0004	<0.0004	0.00019 (J)		
3/18/2020				0.00021 (J)		
3/24/2020		<0.0004	<0.0004		8E-05 (J)	<0.0004
3/25/2020	<0.0004					
9/22/2020	<0.0004	<0.0004	<0.0004			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
9/23/2020					8.1E-05 (J)	<0.0004
9/25/2020				0.00018 (J)		
2/8/2021		<0.0004	<0.0004			
2/9/2021	<0.0004				9.4E-05 (J)	<0.0004
2/10/2021				0.00019 (J)		
3/2/2021		<0.0004	<0.0004	0.00018 (J)		
3/3/2021	<0.0004				9.9E-05 (J)	<0.0004
8/19/2021				0.00022 (J)		
8/26/2021	<0.0004	<0.0004	<0.0004			
8/27/2021					0.0001 (J)	<0.0004
2/9/2022					0.00011 (J)	<0.0004
2/10/2022		<0.0004	<0.0004	0.00025 (J)		
2/11/2022	<0.0004					
8/30/2022		<0.0004	<0.0004		0.0001 (J)	<0.0004
8/31/2022	<0.0004			0.0002 (J)		
2/7/2023		<0.0004			9.6E-05 (J)	<0.0004
2/8/2023				0.00022 (J)		
2/9/2023	<0.0004		<0.0004			
8/15/2023	<0.0004	<0.0004	<0.0004	0.00018 (J)	<0.0004	<0.0004
2/20/2024	<0.0004	<0.0004	<0.0004		0.0001 (J)	<0.0004
2/23/2024				0.00024 (J)		
8/20/2024	<0.0004	<0.0004	<0.0004	0.00021 (J)	0.0001 (J)	<0.0004
2/25/2025	<0.0004	<0.0004	<0.0004	0.0002 (J)	<0.0004	<0.0004
8/12/2025	<0.0004	<0.0004	<0.0004	0.00021 (J)	<0.0004	<0.0004

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.0004		
6/6/2016	<0.0004					
6/7/2016		<0.0004	<0.0004			
7/25/2016				<0.0004		
7/27/2016	<0.0004	<0.0004				
7/28/2016			<0.0004			
9/16/2016	<0.0004					
9/19/2016		<0.0004	<0.0004	<0.0004		
11/1/2016				<0.0004		
11/2/2016		<0.0004				
11/3/2016	<0.0004		<0.0004			
1/11/2017	<0.0004					
1/13/2017		<0.0004	<0.0004			
1/16/2017				<0.0004		
2/21/2017				<0.0004		
3/1/2017	<0.0004					
3/6/2017		<0.0004	<0.0004			
4/26/2017	<0.0004	<0.0004	<0.0004	<0.0004		
6/28/2017	<0.0004					
6/29/2017		<0.0004	<0.0004			
6/30/2017				<0.0004		
10/11/2017					<0.0004	
10/12/2017						0.0002 (J)
11/20/2017					<0.0004	0.0003 (J)
1/10/2018						0.0003 (J)
1/11/2018					<0.0004	
2/19/2018						<0.0025
2/20/2018					<0.0004	
3/27/2018				<0.0004		
3/28/2018	<0.0004					
3/29/2018		<0.0004	<0.0004			
4/3/2018					<0.0004	<0.0025
6/5/2018			<0.0004			
6/6/2018		8E-05 (J)				
6/11/2018	5.7E-05 (J)					
6/28/2018					<0.0004	0.00029 (J)
8/7/2018					<0.0004	0.00024 (J)
9/24/2018					<0.0004	0.00019 (J)
9/25/2018	8.2E-05 (J)	6.1E-05 (J)	<0.0004			
2/26/2019				7.2E-05 (J)		
3/5/2019	7.9E-05 (J)	0.00011 (J)	<0.0004			
4/1/2019				<0.0004		
4/2/2019			<0.0004			
4/3/2019	7.5E-05 (J)	6.4E-05 (J)				
8/21/2019					<0.0004	0.0002 (J)
9/24/2019			<0.0004			
9/25/2019		<0.0004		<0.0004		
9/26/2019	8.4E-05 (J)					
10/9/2019					<0.0004	0.0002 (J)
2/11/2020	7.6E-05 (J)					
2/12/2020		7.8E-05 (J)	<0.0004	<0.0004	<0.0004	0.00018 (J)
3/19/2020				<0.0004		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
3/24/2020	8.9E-05 (J)	7.6E-05 (J)	<0.0004			0.00022 (J)
3/25/2020					<0.0004	
9/23/2020	8.8E-05 (J)					
9/24/2020		8.3E-05 (J)	<0.0004	<0.0004	<0.0004	0.0002 (J)
2/9/2021	9.8E-05 (J)	6.8E-05 (J)	<0.0004			
2/10/2021					5.1E-05 (J)	0.00021 (J)
2/11/2021				4.7E-05 (J)		
3/1/2021				<0.0004		
3/3/2021	0.00011 (J)	6.8E-05 (J)				
3/4/2021			<0.0004		<0.0004	0.00021 (J)
8/19/2021				<0.0004		
8/26/2021	9.3E-05 (J)				<0.0004	
8/27/2021		5.9E-05 (J)				
9/1/2021			<0.0004			
9/3/2021						0.00024 (J)
2/8/2022					<0.0004	0.00028 (J)
2/9/2022	8.9E-05 (J)	7.7E-05 (J)	<0.0004			
2/11/2022				<0.0004		
8/30/2022	8.2E-05 (J)		<0.0004			
8/31/2022		<0.0004		<0.0004	<0.0004	0.00025 (J)
2/7/2023	7.1E-05 (J)	7.4E-05 (J)	<0.0004		<0.0004	
2/8/2023				<0.0004		0.00026 (J)
8/15/2023	5.7E-05 (J)	<0.0004	<0.0004		<0.0004	<0.0025
8/16/2023				<0.0004		
2/20/2024		<0.0004	<0.0004	<0.0004	<0.0004	0.00025 (J)
2/23/2024	<0.0004					
8/20/2024		<0.0004	<0.0004	<0.0004		
8/21/2024	<0.0004				<0.0004	0.00023 (J)
2/25/2025	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.00018 (J)
8/12/2025	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.00018 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	<0.0004				
8/31/2016		<0.0004	<0.0004		
9/1/2016				<0.0004	
11/14/2016	<0.0004		<0.0004		
11/15/2016		<0.0004			
11/16/2016				<0.0004	
2/24/2017	<0.0004				
2/27/2017			<0.0004	<0.0004	
2/28/2017		<0.0004			
5/8/2017	7E-05 (J)	<0.0004		<0.0004	
5/9/2017			<0.0004		
7/11/2017	<0.0004				
7/13/2017		<0.0004	<0.0004	<0.0004	
10/10/2017	<0.0004	<0.0004	<0.0004		
10/11/2017				<0.0004	
4/2/2018	<0.0004				
4/3/2018			<0.0004		
4/4/2018		<0.0004		<0.0004	
9/19/2018	5.7E-05 (J)	<0.0004	<0.0004	<0.0004	
8/20/2019	<0.0004	<0.0004	<0.0004		
8/21/2019				<0.0004	
7/6/2020				<0.0004	
8/27/2020	4.7E-05 (J)	<0.0004			<0.0004
8/28/2020			<0.0004	<0.0004	
9/22/2020	<0.0004	<0.0004			<0.0004
9/23/2020			<0.0004	<0.0004	
10/7/2020				<0.0004	<0.0004
11/12/2020				<0.0004	<0.0004
3/1/2021	5.5E-05 (J)	<0.0004	<0.0004		<0.0004
3/2/2021				<0.0004	
8/19/2021	<0.0004	<0.0004	<0.0004		
8/20/2021					<0.0004
8/27/2021				<0.0004	
2/8/2022	5.6E-05 (J)				
2/9/2022		<0.0004	<0.0004	<0.0004	<0.0004
8/31/2022	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
2/8/2023	<0.0004	<0.0004			
2/9/2023			<0.0004		
2/10/2023				<0.0004	<0.0004
8/15/2023	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
2/20/2024	<0.0004				
2/21/2024		<0.0004	<0.0004	<0.0004	<0.0004
8/20/2024	<0.0004				
8/21/2024		<0.0004	<0.0004	<0.0004	
8/22/2024					<0.0004
2/25/2025	<0.0004				
2/26/2025		<0.0004	<0.0004	<0.0004	<0.0004
8/12/2025	<0.0004	<0.0004			<0.0004
8/13/2025			<0.0004	<0.0004	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/1/2016		<0.04	<0.04			<0.04
6/2/2016					<0.04	
7/25/2016			<0.04			<0.04
7/26/2016		0.0055 (J)			0.0097 (J)	
8/31/2016	0.0315 (J)					
9/13/2016		<0.04	<0.04			
9/14/2016				<0.04		<0.04
9/15/2016					0.0102 (J)	
11/1/2016		0.0086 (J)			<0.04	<0.04
11/4/2016			<0.04	<0.04		
11/28/2016	0.0095 (J)					
12/15/2016				0.0107 (J)		
1/11/2017		0.0074 (J)			<0.04	<0.04
1/16/2017			<0.04	<0.04		
2/22/2017	<0.2					
3/1/2017						0.0063 (J)
3/2/2017		0.008 (J)	<0.04		0.0084 (J)	
3/3/2017				<0.04		
4/26/2017					<0.04	<0.04
4/27/2017		0.0066 (J)	<0.04			
4/28/2017				<0.04		
5/8/2017	0.0084 (J)					
5/26/2017				<0.04		
6/27/2017		0.0087 (J)	0.006 (J)			
6/28/2017				<0.04	<0.04	<0.04
7/17/2017	0.0092 (J)					
10/3/2017		0.0072 (J)	0.0071 (J)	<0.04		
10/4/2017					<0.04	<0.04
10/16/2017	<0.2					
2/19/2018	<0.2					
6/5/2018		0.0052 (J)				
6/6/2018			<0.04			
6/7/2018				<0.04	0.004 (J)	
6/8/2018						<0.04
8/6/2018	<0.2					
10/1/2018		0.021 (J)	0.0049 (J)	<0.04	<0.04	<0.04
2/25/2019	<0.2					
3/28/2019		0.005 (J)	<0.04			
3/29/2019				0.0065 (J)		
4/1/2019					<0.04	<0.04
6/12/2019	<0.2					
9/24/2019		0.0064 (J)	0.0055 (J)	0.0076 (J)		
9/25/2019					0.0054 (J)	<0.04
10/8/2019	<0.2					
3/17/2020	0.0051 (J)					
3/18/2020			0.0087 (J)			
3/19/2020		0.0085 (J)		0.0073 (J)	0.0073 (J)	0.0053 (J)
9/22/2020	0.0079 (J)					
9/23/2020		<0.04	<0.04	<0.04	0.012 (J)	0.0073 (J)
3/2/2021	<0.2					
3/3/2021		<0.04	<0.04	<0.04	<0.04	<0.04
8/19/2021		<0.04	<0.04		<0.04	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
8/20/2021	<0.2					
8/27/2021				<0.04		<0.04
2/8/2022	<0.2					
2/9/2022		<0.04	<0.04	<0.04	0.01 (J)	<0.04
8/30/2022	<0.2	<0.04		<0.04		
8/31/2022			<0.04		<0.04	<0.04
2/7/2023	<0.2	<0.04	<0.04	<0.04		
2/8/2023					<0.04	<0.04
8/15/2023	<0.2	<0.04	0.0094 (J)	<0.04	<0.04	
8/16/2023						<0.04
2/20/2024	0.017 (J)	0.015 (J)	0.014 (J)	<0.04	<0.04	<0.04
8/20/2024		<0.04	<0.04	<0.04	<0.04	<0.04
2/25/2025		<0.04	<0.04	<0.04	<0.04	<0.04
8/12/2025		<0.04	<0.04	<0.04	<0.04	<0.04

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.04	<0.04	<0.04	<0.05		
6/6/2016						<0.04
6/7/2016					0.036 (J)	
7/26/2016	0.0047 (J)	0.0052 (J)	<0.04	0.0177 (J)		
7/27/2016					0.008 (J)	<0.04
9/14/2016	<0.04	0.0071 (J)	0.01 (J)			
9/15/2016				0.0214 (J)		
9/16/2016					0.0086 (J)	
9/19/2016						<0.04
11/2/2016	<0.04	<0.04		0.0151 (J)		
11/3/2016					0.0077 (J)	<0.04
11/4/2016			<0.04			
1/10/2017				0.0198 (J)		
1/11/2017					0.0092 (J)	<0.04
1/12/2017		0.0076 (J)	<0.04			
1/13/2017	<0.04					
3/1/2017						<0.04
3/2/2017					0.0095 (J)	
3/6/2017	<0.04					
3/7/2017		0.0089 (J)	<0.04			
3/8/2017				0.0189 (J)		
4/26/2017				0.0161 (J)		<0.04
5/1/2017	<0.04	0.0061 (J)				
5/2/2017			<0.04		<0.04	
6/27/2017		0.0079 (J)	<0.04			
6/28/2017						<0.04
6/29/2017	<0.04				0.0074 (J)	
6/30/2017				0.0173 (J)		
10/3/2017		0.0094 (J)	<0.04			
10/4/2017					0.0077 (J)	
10/5/2017	<0.04			0.0173 (J)		<0.04
6/6/2018		0.0098 (J)				
6/7/2018	0.0045 (J)		<0.04			<0.04
6/8/2018				0.013 (J)		
6/11/2018					0.01 (J)	
9/25/2018					0.0096 (J)	0.0046 (J)
9/26/2018	0.005 (J)	0.01 (J)	0.0057 (J)			
10/1/2018				0.015 (J)		
3/29/2019				0.014 (J)		
4/2/2019					0.0066 (J)	
4/3/2019	0.0055 (J)	0.0076 (J)	0.0044 (J)			<0.04
9/24/2019		0.01 (J)	0.0049 (J)			
9/25/2019	<0.04			0.018 (J)	0.0081 (J)	
9/26/2019						0.0062 (J)
3/18/2020				0.02 (J)		
3/24/2020		0.011 (J)	0.0068 (J)		0.0092 (J)	0.0054 (J)
3/25/2020	0.011 (J)					
9/22/2020	<0.04	0.0079 (J)	0.0053 (J)			
9/23/2020					0.0066 (J)	0.021 (J)
9/25/2020				0.02 (J)		
3/2/2021		0.0068 (J)	0.011 (J)	0.017 (J)		
3/3/2021	0.0056 (J)				0.01 (J)	<0.04

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
8/19/2021				0.018 (J)		
8/26/2021	<0.04	0.009 (J)	<0.04			
8/27/2021					0.011 (J)	<0.04
2/9/2022					0.0098 (J)	<0.04
2/10/2022		0.011 (J)	<0.04	0.02 (J)		
2/11/2022	<0.04					
8/30/2022		0.0098 (J)	<0.04		0.013 (J)	<0.04
8/31/2022	<0.04			0.015 (J)		
2/7/2023		<0.04			0.014 (J)	<0.04
2/8/2023				0.015 (J)		
2/9/2023	<0.04		<0.04			
8/15/2023	<0.04	<0.04	<0.04	0.017 (J)	<0.04	<0.04
2/20/2024	<0.04	<0.04	<0.04		<0.04	<0.04
2/23/2024				0.037 (J)		
8/20/2024	<0.04	<0.04	<0.04	0.014 (J)	<0.04	<0.04
2/25/2025	<0.04	0.0078 (J)	<0.04	0.018 (J)	0.0093 (J)	<0.04
8/12/2025	<0.04	0.012 (J)	0.0066 (J)	0.021 (J)	0.012 (J)	<0.04

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.04		
6/6/2016	<0.04					
6/7/2016		<0.04	<0.04			
7/25/2016				<0.04		
7/27/2016	0.0059 (J)	<0.04				
7/28/2016			0.0096 (J)			
9/16/2016	0.0079 (J)					
9/19/2016		<0.04	<0.04	<0.04		
11/1/2016				<0.04		
11/2/2016		<0.04				
11/3/2016	0.0082 (J)		<0.04			
1/11/2017	0.0096 (J)					
1/13/2017		<0.04	<0.04			
1/16/2017				<0.04		
2/21/2017				<0.04		
3/1/2017	0.0098 (J)					
3/6/2017		<0.04	<0.04			
4/26/2017	0.0091 (J)	<0.04	<0.04	<0.04		
6/28/2017	0.0079 (J)					
6/29/2017		<0.04	<0.04			
6/30/2017				<0.04		
10/3/2017			<0.04			
10/4/2017	0.009 (J)	<0.04		<0.04		
10/11/2017					0.0135 (J)	
10/12/2017						0.0401
11/20/2017					0.0251 (J)	0.156
1/10/2018						0.15
1/11/2018					0.0255 (J)	
2/19/2018						0.15
2/20/2018					<0.04	
4/3/2018					0.033 (J)	0.12
6/5/2018			0.0092 (J)			
6/6/2018		0.0049 (J)				
6/11/2018	0.0093 (J)			0.014 (J)		
6/28/2018					0.053	0.16
8/7/2018					0.024 (J)	0.12
9/24/2018					0.028 (J)	0.099
9/25/2018	0.007 (J)	<0.04	0.0054 (J)			
10/2/2018				<0.04		
3/26/2019						0.096
3/27/2019					0.017 (J)	
4/1/2019				<0.04		
4/2/2019			0.011 (J)			
4/3/2019	0.0053 (J)	<0.04				
9/24/2019			0.018 (J)			
9/25/2019		<0.04		<0.04		
9/26/2019	0.0072 (J)					
10/9/2019					0.017 (J)	0.079
3/19/2020				0.0052 (J)		
3/24/2020	0.01 (J)	<0.04	0.016 (J)			0.088 (J)
3/25/2020					0.043 (J)	
9/23/2020	0.006 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
9/24/2020		0.0094 (J)	0.013 (J)	0.0075 (J)	0.037 (J)	0.087 (J)
3/1/2021				<0.04		
3/3/2021	0.0094 (J)	<0.04				
3/4/2021			0.0079 (J)		0.033 (J)	0.078
8/19/2021				<0.04		
8/26/2021	<0.04				0.095	
8/27/2021		<0.04				
9/1/2021			<0.04			
9/3/2021						0.077
2/8/2022					0.13	0.074
2/9/2022	<0.04	<0.04	<0.04			
2/11/2022				<0.04		
8/30/2022	0.014 (J)		0.012 (J)			
8/31/2022		<0.04		<0.04	0.14	0.062
2/7/2023	<0.04	<0.04	<0.04		0.13	
2/8/2023				<0.04		0.057
8/15/2023	<0.04	<0.04	0.046 (J)		0.15 (J)	0.052 (J)
8/16/2023				<0.04		
2/20/2024		<0.04	<0.04	<0.04	0.12	0.056
2/23/2024	0.018 (J)					
8/20/2024		<0.04	<0.04	<0.04		
8/21/2024	<0.04				0.13	0.061
2/25/2025	<0.04	<0.04	0.0066 (J)	<0.04	0.13	0.061
8/12/2025	0.0063 (J)	<0.04	0.0091 (J)	<0.04	0.13	0.063

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	0.0166 (J)				
8/31/2016		0.541	0.308		
9/1/2016				2.12	
11/14/2016	0.0166 (J)		0.368		
11/15/2016		0.706			
11/16/2016				2.03	
2/24/2017	0.0145 (J)				
2/27/2017			0.321	1.29	
2/28/2017		0.623			
5/8/2017	0.0141 (J)	0.69		1.71	
5/9/2017			0.338		
7/11/2017	0.0131 (J)				
7/13/2017		0.649	0.34	1.62	
10/10/2017	0.0124 (J)	0.603	0.319		
10/11/2017				1.17	
4/2/2018	0.013 (J)				
4/3/2018			0.35		
4/4/2018		0.66		1.2	
9/19/2018	0.012 (J)	0.66	0.35	1.2	
3/27/2019	0.013 (J)	0.57	0.33	0.89	
10/8/2019	0.012 (J)	0.58			
10/9/2019			0.35	1.1	
3/17/2020	0.023 (J)	0.61	0.37	1.3	
7/6/2020				2	
8/27/2020					0.014 (J)
8/28/2020				1.85 (D)	
9/22/2020	0.0076 (J)	0.59			<0.04
9/23/2020			0.32	2	
10/7/2020				1.8	0.018 (J)
11/12/2020				1.8	0.012 (J)
3/1/2021	0.013 (J)	0.54	0.32		0.015 (J)
3/2/2021				1.9	
8/19/2021	0.011 (J)	0.56	0.31		
8/20/2021					<0.04
8/27/2021				1.9	
2/8/2022	0.015 (J)				
2/9/2022		0.58	0.34	2.1	0.0089 (J)
8/31/2022	0.0091 (J)	0.54	0.33	2.1	<0.04
2/8/2023	0.011 (J)	0.59			
2/9/2023			0.35		
2/10/2023				2	<0.04
8/15/2023	<0.04	0.6	0.36	2.1	0.014 (J)
2/20/2024	0.023 (J)				
2/21/2024		0.51	0.3	2.2	0.015 (J)
8/20/2024	<0.04				
8/21/2024		0.49	0.31	2.2	
8/22/2024					<0.04
2/25/2025	0.014 (J)				
2/26/2025		0.56	0.36 (J)	2.8	<0.04
8/12/2025	0.022 (J)	0.66			0.0088 (J)
8/13/2025			0.39	2.8	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	<0.0005					
9/12/2007	<0.0005					
3/20/2008	<0.0005					
8/27/2008	<0.0005					
3/3/2009	<0.0005					
11/18/2009	<0.0005					
3/3/2010	<0.0005					
9/8/2010	<0.0005					
3/10/2011	<0.0005					
9/8/2011	<0.0005					
3/5/2012	<0.0005					
9/10/2012	<0.0005					
2/6/2013	<0.0005					
8/12/2013	<0.0005					
2/5/2014	<0.0005					
8/5/2014	<0.0005					
2/4/2015	<0.0005					
8/3/2015	<0.0005					
2/16/2016	<0.0005					
6/1/2016		<0.0005	<0.0005			<0.0005
6/2/2016					<0.0005	
7/21/2016	<0.0005					
7/25/2016			<0.0005			<0.0005
7/26/2016		<0.0005			<0.0005	
8/31/2016	<0.0005					
9/13/2016		<0.0005	<0.0005			
9/14/2016				<0.0005		<0.0005
9/15/2016					<0.0005	
11/1/2016		<0.0005			<0.0005	<0.0005
11/4/2016			<0.0005	<0.0005		
11/28/2016	<0.0005					
12/15/2016				<0.0005		
1/11/2017		0.0002 (J)			0.0001 (J)	8E-05 (J)
1/16/2017			<0.0005	<0.0005		
2/22/2017	<0.0005					
3/1/2017						<0.0005
3/2/2017		<0.0005	<0.0005		<0.0005	
3/3/2017				<0.0005		
4/26/2017					<0.0005	<0.0005
4/27/2017		<0.0005	<0.0005			
4/28/2017				<0.0005		
5/8/2017	<0.0005					
5/26/2017				<0.0005		
6/27/2017		<0.0005	<0.0005			
6/28/2017				<0.0005	<0.0005	<0.0005
7/17/2017	<0.0005					
10/16/2017	<0.0005					
2/19/2018	<0.0005					
3/27/2018			<0.0005			
3/28/2018				<0.0005	<0.0005	<0.0005
3/29/2018		<0.0005				
8/6/2018	<0.0005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
2/25/2019	<0.0005					
2/27/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/28/2019		<0.0005	<0.0005			
3/29/2019				<0.0005		
4/1/2019					<0.0005	<0.0005
6/12/2019	<0.0005					
8/19/2019	<0.0005					
9/24/2019		<0.0005	<0.0005	<0.0005		
9/25/2019					<0.0005	<0.0005
10/8/2019	<0.0005					
2/10/2020		<0.0005	<0.0005			
2/11/2020				<0.0005		<0.0005
2/12/2020					<0.0005	
3/17/2020	<0.0005					
3/18/2020			<0.0005			
3/19/2020		<0.0005		<0.0005	<0.0005	<0.0005
8/26/2020	<0.0005					
9/22/2020	<0.0005					
9/23/2020		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/10/2021				<0.0005	<0.0005	<0.0005
2/12/2021		<0.0005	<0.0005			
3/2/2021	<0.0005					
3/3/2021		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/19/2021		<0.0005	<0.0005		<0.0005	
8/20/2021	<0.0005					
8/27/2021				<0.0005		<0.0005
2/8/2022	<0.0005					
2/9/2022		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/30/2022	<0.0005	<0.0005		<0.0005		
8/31/2022			<0.0005		<0.0005	<0.0005
2/7/2023	0.00012 (J)	<0.0005	<0.0005	<0.0005		
2/8/2023					<0.0005	0.00013 (J)
8/15/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8/16/2023						<0.0005
2/20/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/20/2024		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/25/2025		<0.0005	<0.0005	<0.0005	0.00051	0.00046 (J)
8/12/2025		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.0005	<0.0005	<0.0005	<0.0005		
6/6/2016						<0.0005
6/7/2016					<0.0005	
7/26/2016	<0.0005	<0.0005	<0.0005	<0.0005		
7/27/2016					<0.0005	<0.0005
9/14/2016	<0.0005	<0.0005	<0.0005			
9/15/2016				<0.0005		
9/16/2016					<0.0005	
9/19/2016						<0.0005
11/2/2016	<0.0005	<0.0005		<0.0005		
11/3/2016					<0.0005	<0.0005
11/4/2016			<0.0005			
1/10/2017				<0.0005		
1/11/2017					0.0001 (J)	<0.0005
1/12/2017		<0.0005	9E-05 (J)			
1/13/2017	<0.0005					
3/1/2017						<0.0005
3/2/2017					<0.0005	
3/6/2017	<0.0005					
3/7/2017		<0.0005	<0.0005			
3/8/2017				7E-05 (J)		
4/26/2017				<0.0005		<0.0005
5/1/2017	<0.0005	<0.0005				
5/2/2017			<0.0005		<0.0005	
6/27/2017		<0.0005	<0.0005			
6/28/2017						<0.0005
6/29/2017	<0.0005				<0.0005	
6/30/2017				<0.0005		
3/27/2018				<0.0005		
3/28/2018					<0.0005	<0.0005
3/29/2018	<0.0005	<0.0005	<0.0005			
6/6/2018		<0.0005				
6/7/2018	<0.0005		<0.0005			<0.0005
6/11/2018					<0.0005	
9/25/2018					<0.0005	<0.0005
9/26/2018	<0.0005	<0.0005	<0.0005			
2/26/2019				<0.0005		
3/4/2019	<0.0005	<0.0005	<0.0005			
3/5/2019					<0.0005	
3/6/2019						<0.0005
3/29/2019				<0.0005		
4/2/2019					<0.0005	
4/3/2019	<0.0005	<0.0005	<0.0005			<0.0005
9/24/2019		<0.0005	<0.0005			
9/25/2019	<0.0005			<0.0005	<0.0005	
9/26/2019						<0.0005
2/11/2020					<0.0005	<0.0005
2/12/2020	<0.0005	<0.0005	<0.0005	<0.0005		
3/18/2020				<0.0005		
3/24/2020		<0.0005	<0.0005		<0.0005	<0.0005
3/25/2020	<0.0005					
9/22/2020	<0.0005	<0.0005	<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
9/23/2020					<0.0005	<0.0005
9/25/2020				<0.0005		
2/8/2021		<0.0005	<0.0005			
2/9/2021	<0.0005				<0.0005	<0.0005
2/10/2021				<0.0005		
3/2/2021		<0.0005	<0.0005	<0.0005		
3/3/2021	<0.0005				<0.0005	<0.0005
8/19/2021				<0.0005		
8/26/2021	<0.0005	<0.0005	<0.0005			
8/27/2021					<0.0005	<0.0005
2/9/2022					<0.0005	<0.0005
2/10/2022		<0.0005	<0.0005	<0.0005		
2/11/2022	<0.0005					
8/30/2022		<0.0005	<0.0005		<0.0005	<0.0005
8/31/2022	<0.0005			<0.0005		
2/7/2023		<0.0005			<0.0005	<0.0005
2/8/2023				<0.0005		
2/9/2023	<0.0005		<0.0005			
8/15/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/20/2024	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
2/23/2024				<0.0005		
8/20/2024	0.00019 (J)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/25/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/12/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.0005		
6/6/2016	<0.0005					
6/7/2016		<0.0005	<0.0005			
7/25/2016				<0.0005		
7/27/2016	<0.0005	<0.0005				
7/28/2016			<0.0005			
9/16/2016	<0.0005					
9/19/2016		<0.0005	<0.0005	<0.0005		
11/1/2016				<0.0005		
11/2/2016		<0.0005				
11/3/2016	<0.0005		<0.0005			
1/11/2017	0.0001 (J)					
1/13/2017		<0.0005	<0.0005			
1/16/2017				<0.0005		
2/21/2017				<0.0005		
3/1/2017	<0.0005					
3/6/2017		<0.0005	<0.0005			
4/26/2017	<0.0005	<0.0005	<0.0005	<0.0005		
6/28/2017	<0.0005					
6/29/2017		<0.0005	<0.0005			
6/30/2017				<0.0005		
10/11/2017					<0.0005	
10/12/2017						<0.0005
11/20/2017					<0.0005	<0.0005
1/10/2018						<0.0005
1/11/2018					<0.0005	
2/19/2018						<0.0005
2/20/2018					<0.0005	
3/27/2018				<0.0005		
3/28/2018	<0.0005					
3/29/2018		<0.0005	<0.0005			
4/3/2018					<0.0005	<0.0005
6/5/2018			<0.0005			
6/6/2018		<0.0005				
6/11/2018	<0.0005					
6/28/2018					<0.0005	<0.0005
8/7/2018					<0.0005	<0.0005
9/24/2018					<0.0005	<0.0005
9/25/2018	<0.0005	<0.0005	9.6E-05 (J)			
2/26/2019				<0.0005		
3/5/2019	<0.0005	<0.0005	<0.0005			
4/1/2019				<0.0005		
4/2/2019			<0.0005			
4/3/2019	<0.0005	<0.0005				
8/21/2019					<0.0005	<0.0005
9/24/2019			<0.0005			
9/25/2019		<0.0005		<0.0005		
9/26/2019	<0.0005					
10/9/2019					<0.0005	<0.0005
2/11/2020	<0.0005					
2/12/2020		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/19/2020				<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
3/24/2020	<0.0005	<0.0005	<0.0005			<0.0005
3/25/2020					<0.0005	
9/23/2020	<0.0005					
9/24/2020		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/9/2021	<0.0005	<0.0005	0.00041 (J)			
2/10/2021					0.00019 (J)	<0.0005
2/11/2021				<0.0005		
3/1/2021				<0.0005		
3/3/2021	<0.0005	<0.0005				
3/4/2021			<0.0005		0.0003 (J)	<0.0005
8/19/2021				<0.0005		
8/26/2021	<0.0005				0.00049 (J)	
8/27/2021		<0.0005				
9/1/2021			<0.0005			
9/3/2021						<0.0005
2/8/2022					0.00063	<0.0005
2/9/2022	<0.0005	<0.0005	<0.0005			
2/11/2022				<0.0005		
8/30/2022	<0.0005		<0.0005			
8/31/2022		<0.0005		<0.0005	0.00044 (J)	<0.0005
2/7/2023	<0.0005	<0.0005	0.00012 (J)		0.00014 (J)	
2/8/2023				<0.0005		<0.0005
8/15/2023	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
8/16/2023				<0.0005		
2/20/2024		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/23/2024	<0.0005					
8/20/2024		<0.0005	<0.0005	<0.0005		
8/21/2024	<0.0005				<0.0005	<0.0005
2/25/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/12/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	0.0001 (J)				
8/31/2016		<0.0005	<0.0005		
9/1/2016				<0.0005	
11/14/2016	0.0001 (J)		<0.0005		
11/15/2016		<0.0005			
11/16/2016				<0.0005	
2/24/2017	9E-05 (J)				
2/27/2017			<0.0005	<0.0005	
2/28/2017		<0.0005			
5/8/2017	0.0001 (J)	<0.0005		0.0001 (J)	
5/9/2017			<0.0005		
7/11/2017	<0.0005				
7/13/2017		<0.0005	<0.0005	<0.0005	
10/10/2017	<0.0005	<0.0005	<0.0005		
10/11/2017				<0.0005	
4/2/2018	<0.0005				
4/3/2018			<0.0005		
4/4/2018		<0.0005		<0.0005	
9/19/2018	<0.0005	<0.0005	<0.0005	<0.0005	
8/20/2019	<0.0005	<0.0005	<0.0005		
8/21/2019				0.00012 (J)	
10/8/2019	<0.0005	<0.0005			
10/9/2019			<0.0005	<0.0005	
3/17/2020	<0.0005	<0.0005	<0.0005	0.00012 (J)	
7/6/2020				<0.0005	
8/27/2020	<0.0005	<0.0005			<0.0005
8/28/2020			<0.0005	<0.0005	
11/12/2020				<0.0005	<0.0005
8/19/2021	<0.0005	<0.0005	<0.0005		
8/20/2021					<0.0005
8/27/2021				<0.0005	
2/8/2022	<0.0005				
2/9/2022		<0.0005	<0.0005	<0.0005	<0.0005
8/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/8/2023	0.00032 (J)	<0.0005			
2/9/2023			<0.0005		
2/10/2023				<0.0005	<0.0005
8/15/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/20/2024	<0.0005				
2/21/2024		<0.0005	<0.0005	<0.0005	<0.0005
8/20/2024	<0.0005				
8/21/2024		<0.0005	<0.0005	<0.0005	
8/22/2024					<0.0005
2/25/2025	<0.0005				
2/26/2025		<0.0005	<0.0005	<0.0005	<0.0005
8/12/2025	<0.0005	<0.0005			<0.0005
8/13/2025			<0.0005	<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/1/2016		12	2.5			21
6/2/2016					28	
7/25/2016			2.16			20.3
7/26/2016		11			24.5	
8/31/2016	9.31					
9/13/2016		11.8	2.21			
9/14/2016				23.5		19.7
9/15/2016					27	
11/1/2016		11			25.6	18.4
11/4/2016			2.67	23.7		
11/28/2016	9.47					
12/15/2016				23.1		
1/11/2017		11.2			27.5	20.3
1/16/2017			2.45	23.3		
2/22/2017	10.4					
3/1/2017						18.6
3/2/2017		11	2.57		27.5	
3/3/2017				25.1		
4/26/2017					30.4	25.6
4/27/2017		11.1	2.38			
4/28/2017				30.7		
5/8/2017	14.2					
5/26/2017				26.2		
6/27/2017		13.8	2.36			
6/28/2017				26.1	29.8	23.9
7/17/2017	14.1					
10/3/2017		14	2.21	26.7		
10/4/2017					29.7	22.1
10/16/2017	13.6					
2/19/2018	<25					
6/5/2018		15.2 (J)				
6/6/2018			2.3			
6/7/2018				25	29.1	
6/8/2018						21.9 (J)
8/6/2018	11.4 (J)					
10/1/2018		15.1	1.8	25	26.9	19.7
2/25/2019	12.7 (J)					
3/28/2019		13.3 (J)	2.2			
3/29/2019				23.5 (J)		
4/1/2019					30.1	20.4 (J)
6/12/2019	18.9					
9/24/2019		15.8	2.3	26.4		
9/25/2019					29.5	22.4
10/8/2019	28.3					
3/17/2020	24.3					
3/18/2020			2.1			
3/19/2020		15		27.4	31.5	21.9
9/22/2020	31					
9/23/2020		14.1	1.8	26.3	28.6	23.6
3/2/2021	34.2					
3/3/2021		14.1	1.8	25.6	29.8	20.6
8/19/2021		14.2	2		28.1	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
8/20/2021	26.5					
8/27/2021				22.6		24.7
2/8/2022	25.6					
2/9/2022		14.9	2.1	23.4	30.3	23.7
8/30/2022	23.5	14.9		25.4		
8/31/2022			1.9		28.7	23.5
2/7/2023	22.3	15	2.2	25.6		
2/8/2023					28.9	23.3
8/15/2023	20.3	13.5	1.8	23.2	27.4	
8/16/2023						24.9
2/20/2024	22.8	15.3	2.2	28.2	30.7	23.7
8/20/2024		17.7	1.9	30.4	30	23.4
2/25/2025		16.4	1.8	27.3	27.9	21.2
8/12/2025		15	1.6	22	27.1	22.9

Time Series

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	8.8	33	2.4	1.3		
6/6/2016						6.2
6/7/2016					2.2	
7/26/2016	7.69	32.3	2.12	1.24		
7/27/2016					2	4.73
9/14/2016	8.49	31	2.18			
9/15/2016				1.17		
9/16/2016					1.97	
9/19/2016						4.76
11/2/2016	7.83	30.9		1.23		
11/3/2016					1.99	5.25
11/4/2016			2.17 (J)			
1/10/2017				1.24		
1/11/2017					2.28	4.74
1/12/2017		35.7	2.37			
1/13/2017	8.08					
3/1/2017						5.37
3/2/2017					2.15	
3/6/2017	8.64					
3/7/2017		32.7	2.34			
3/8/2017				1.21		
4/26/2017				1.14		4.28
5/1/2017	13.4	37				
5/2/2017			2.17		1.95	
6/27/2017		36.5	2.13			
6/28/2017						4.95
6/29/2017	8.81				2.02	
6/30/2017				1.24		
10/3/2017		30.9	2.15			
10/4/2017					2.03	
10/5/2017	9.29			1.11		5.28
6/6/2018		26.2				
6/7/2018	8.2		2.3			4.8
6/8/2018				1.1		
6/11/2018					2.1	
9/25/2018					2.1	4.6
9/26/2018	9.5 (J)	25.8	2.3			
10/1/2018				0.99		
3/29/2019				1.1		
4/2/2019					2.5	
4/3/2019	8.4	24.7 (J)	2.8			5.3
9/24/2019		25.8	2.5			
9/25/2019	9.5			1.1	2.6	
9/26/2019						5.075 (D)
10/10/2019	9.9	24.2	2.4		2.4	
3/18/2020				1.1		
3/24/2020		26.1	2.5		2.7	5.3
3/25/2020	10.5					
9/22/2020	9.6	27.2	2.6			
9/23/2020					2.6	5.2
9/25/2020				1.3		
3/2/2021		1.6	2.6	1.2		

Time Series

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
3/3/2021	7.7				2.5	5.2
8/19/2021				1.2		
8/26/2021	7.6	25.2	2.5			
8/27/2021					2.7	5.1
2/9/2022					2.8	5.1
2/10/2022		24.8	2.5	1.3		
2/11/2022	7.5					
8/30/2022		24.8	2.5		3	5.7
8/31/2022	8.9			1.3		
2/7/2023		26.6			2.9	5.5
2/8/2023				1.5		
2/9/2023	9.6		2.8			
8/15/2023	7.8	25	2.6	1.3	2.9	5.1
2/20/2024	9.9	27.2	2.7		3.2	5.6
2/23/2024				1.6		
8/20/2024	9.1	29.1	3.2	1.3	3.5	5.9
2/25/2025	8.1	25.9	2.8	1.3	3	5.3
8/12/2025	9.5	27.2	2.7	1.2	3.1	4.7

Time Series

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				1.3		
6/6/2016	1.4					
6/7/2016		2.3	3.7			
7/25/2016				1.17		
7/27/2016	1.19	2.08				
7/28/2016			3.15			
9/16/2016	1.5					
9/19/2016		1.97	3.17	1.05		
11/1/2016				1.14		
11/2/2016		2.13				
11/3/2016	1.31		3.4			
1/11/2017	1.25					
1/13/2017		2.45	4.98			
1/16/2017				1.23		
2/21/2017				1.25		
3/1/2017	1.26					
3/6/2017		2.48	6.28			
4/26/2017	1.05	2.3	6.65	1.03		
6/28/2017	1.06					
6/29/2017		2.54	6.04			
6/30/2017				1.13		
10/3/2017			8.28			
10/4/2017	1.1	2.25		1.09		
10/11/2017					2.74	
10/12/2017						2.9
11/20/2017					1.81	10.4
1/10/2018						10.2
1/11/2018					1.54	
2/19/2018						<25
2/20/2018					1.7	
4/3/2018					1.4	6.3
6/5/2018			9.1			
6/6/2018		2.3				
6/11/2018	1.4			1.1		
6/28/2018					1.4	6.7
8/7/2018					1.2	6.3
9/24/2018					1.1	5.7
9/25/2018	1	2.3	10.4 (J)			
10/2/2018				1.1		
3/26/2019						5.6
3/27/2019					1.5	
4/1/2019				1.3		
4/2/2019			8.8			
4/3/2019	1.2	2.9				
9/24/2019			7.7			
9/25/2019		2.4		1.1		
9/26/2019	1.085 (D)					
10/9/2019					2.4 (D)	5.05 (D)
10/10/2019		2.6	5.6			
3/19/2020				1.2		
3/24/2020	1	2.6	6			4.8
3/25/2020					2.7	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
9/23/2020	0.91 (J)					
9/24/2020		2.6	7.8	1.1	3.7	4.4
3/1/2021				1.2		
3/3/2021	0.96 (J)	2.4				
3/4/2021			8.7		8.2	4.6
8/19/2021				1.2		
8/26/2021	0.98 (J)				14.1	
8/27/2021		2.4				
9/1/2021			9.5			
9/3/2021						5.6
2/8/2022					15.2	6
2/9/2022	0.87 (J)	2.3	9.8			
2/11/2022				1.5		
8/30/2022	0.77 (J)		7.3			
8/31/2022		2.4		1.3	16.3	6.2
2/7/2023	0.79 (J)	2.4	7.5		16.1	
2/8/2023				1.3		5.9
8/15/2023	0.8 (J)	2.2	6.1		17.2	5.3
8/16/2023				1.4		
2/20/2024		2.5	7	1.3	16.9	5.6
2/23/2024	0.84 (J)					
8/20/2024		2.8	6.9	1.4		
8/21/2024	0.96 (J)				19.7	6
2/25/2025	0.88 (J)	2.6	6	1.4	17.3	4.8
8/12/2025	0.76	2.6	6.9	1.3	18.8	4.5

Time Series

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	20.9				
8/31/2016		27.3	46.7		
9/1/2016				96.8	
11/14/2016	18.6		50.6		
11/15/2016		27.8			
11/16/2016				107	
2/24/2017	16.1				
2/27/2017			49.4	104	
2/28/2017		26.4			
5/8/2017	14.6	29.9		103	
5/9/2017			56		
7/11/2017	14.3				
7/13/2017		30.2	54.8	83.7	
10/10/2017	12.1	27.2	52.8		
10/11/2017				69	
4/2/2018	<25				
4/3/2018			50.6		
4/4/2018		30.1		51.9	
9/19/2018	11.1 (J)	29.2	50.5	51.9	
3/27/2019	10.8 (J)	27.9	48.8	54.2	
10/8/2019	9.7	28.1			
10/9/2019			48.95 (D)	64.2	
3/17/2020	14.8	31.9	54.8	70.4	
7/6/2020				105	
8/27/2020					52.3
8/28/2020				102	
9/22/2020	10.1	30.4			53.5
9/23/2020			50	104	
10/7/2020				105	53.8
11/12/2020				110	53.6
3/1/2021	10.3	31.9	50.7		50.6
3/2/2021				110	
8/19/2021	9.6	31.7	50.4		
8/20/2021					47.9
8/27/2021				108	
2/8/2022	9.4				
2/9/2022		30.8	49.3	109	42.2
8/31/2022	9.6	30.8	51.8	110	41.8
2/8/2023	9.2	30.9			
2/9/2023			46.2		
2/10/2023				105	36.7
8/15/2023	9.6	30	46.3	111	34.6
2/20/2024	10.3				
2/21/2024		31.6	54.5	130	35
8/20/2024	10				
8/21/2024		32.8	58.3	124	
8/22/2024					37.6
2/25/2025	9.9				
2/26/2025		30.1	55.4	132	32.3
8/12/2025	10.2	27.9			33
8/13/2025			63.3	130	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/1/2016		1.3	1.6			1.3
6/2/2016					1.4	
7/25/2016			1.4			1.3
7/26/2016		1.2			1.6	
8/31/2016	4					
9/13/2016		1.1	1.3			
9/14/2016				1.1		1.3
9/15/2016					1.5	
11/1/2016		1.3			1.7	1.4
11/4/2016			1.6	1.4		
11/28/2016	4.2					
12/15/2016				2.9		
1/11/2017		1.1			1.2	1.1
1/16/2017			1.4	0.98		
2/22/2017	3.7					
3/1/2017						1.1
3/2/2017		1	1.3		1.2	
3/3/2017				1.1		
4/26/2017					1.2	1.1
4/27/2017		1	1.3			
4/28/2017				0.91		
5/8/2017	4.2					
5/26/2017				0.93		
6/27/2017		1.1	1.4			
6/28/2017				1	1.3	1.2
7/17/2017	3.8					
10/3/2017		1.1	1.7	1.2		
10/4/2017					1.5	1.2
10/16/2017	4.2					
2/19/2018	4.3					
6/5/2018		1.1				
6/6/2018			1.4			
6/7/2018				1	1.2	
6/8/2018						1.2
8/6/2018	3.8					
10/1/2018		1.1	1.4	1.1	1.5	1.2
2/25/2019	4.1					
3/28/2019		1.4	1.5			
3/29/2019				1.2		
4/1/2019					1.2	1.1
6/12/2019	4.7					
9/24/2019		1.1	1.3	0.95 (J)		
9/25/2019					1.1	1.1
10/8/2019	5.1					
3/17/2020	4.8					
3/18/2020			1.4			
3/19/2020		1.1		0.97 (J)	1.2	1.1
9/22/2020	4.2					
9/23/2020		0.99 (J)	1.2	0.88 (J)	1.1	1
3/2/2021	4.1					
3/3/2021		0.96 (J)	1.2	0.86 (J)	1.1	0.99 (J)
8/19/2021		1.1	1.3		1.1	

Time Series

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
8/20/2021	5.2					
8/27/2021				0.99 (J)		1.1
2/8/2022	5.7					
2/9/2022		1	1.3	1 (J)	1.1	1.1
8/30/2022	6.3	1.3		1.2		
8/31/2022			1.5		1.3	1.3
2/7/2023	6.1	1.3	1.5	1.1		
2/8/2023					1.2	1.1
8/15/2023	5.6	1.1	1.4	0.93 (J)	1.1	
8/16/2023						1.1
2/20/2024	6.1	1	1.2	0.96 (J)	1.1	1.1
8/20/2024		1	1.3	0.91 (J)	1.1	1
2/25/2025		0.9 (J)	1.1	0.77 (J)	0.94 (J)	0.9 (J)
8/12/2025		1.3	1.5	1.1	1.3	1.3

Time Series

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	3.7	7.2	4.3	4.1		
6/6/2016						6.8
6/7/2016					4.5	
7/26/2016	3.6	6.6	4.4	4		
7/27/2016					4.5	6.7
9/14/2016	3.4	6.6	3.8			
9/15/2016				4.2		
9/16/2016					4.5	
9/19/2016						7
11/2/2016	4.5	7.6		4.9		
11/3/2016					5.4	7.5
11/4/2016			4.8			
1/10/2017				4.1		
1/11/2017					4.7	6.5
1/12/2017		6.8	3.8			
1/13/2017	4.2					
3/1/2017						6.9
3/2/2017					4.8	
3/6/2017	3.6					
3/7/2017		6.8	4.5			
3/8/2017				4.2		
4/26/2017				4.1		7
5/1/2017	4.3	7.2				
5/2/2017			4.6		4.6	
6/27/2017		7	4.3			
6/28/2017						7
6/29/2017	4.2				4.5	
6/30/2017				3.7		
10/3/2017		6.5	4.2			
10/4/2017					4.7	
10/5/2017	4.7			3.8		7
6/6/2018		4.7				
6/7/2018	4.4		4.5			6.8
6/8/2018				3.4		
6/11/2018					4.9	
9/25/2018					5.6	7.9
9/26/2018	4.8	4.8	5.1			
10/1/2018				3.8		
3/29/2019				4.2		
4/2/2019					4.8	
4/3/2019	4.3	4	4.2			6.9
9/24/2019		3.7	4.5			
9/25/2019	4.5			4.8	5.7	
9/26/2019						7
10/10/2019		4.3	1.6		5.8	
3/18/2020				5.2		
3/24/2020		3.5	4.3		5	7
3/25/2020	3.9					
9/22/2020	4.5	3.6	4.2			
9/23/2020					6.6	7.2
9/25/2020				5.3		
3/2/2021		3.2	4.3	4.9		

Time Series

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
3/3/2021	4.1 (J)				7.1	7
8/19/2021				5		
8/26/2021	4.4	3.4	4.3			
8/27/2021					8.5	7.4
2/9/2022					10.9	7.5
2/10/2022		3.2	4.4	4.7		
2/11/2022	4.1					
8/30/2022		3.5	4.4		12	7.9
8/31/2022	4.4			4.6		
2/7/2023		3.3			11.4	7.4
2/8/2023				4.9		
2/9/2023	4.5		5			
8/15/2023	4.4	3.1	4.1	4.1	11.6	7.3
2/20/2024	4.6	3.2	4.8		12.2	7.6
2/23/2024				4.8		
8/20/2024	5.2	3.4	4.8	4.5	12.7	7.8
2/25/2025	4.5	2.8	4.4	4.1	11.4	7
8/12/2025	5.1	3.4	5	4.7	12.4	7.7

Time Series

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				1.9		
6/6/2016	6.4					
6/7/2016		1.9	2.8			
7/25/2016				1.7		
7/27/2016	6.2	1.9				
7/28/2016			2.6			
9/16/2016	6.1					
9/19/2016		1.9	2.4	1.6		
11/1/2016				1.8		
11/2/2016		2.6				
11/3/2016	7.4		2.9			
1/11/2017	6.1					
1/13/2017		2.3	2.5			
1/16/2017				1.7		
2/21/2017				1.7		
3/1/2017	6					
3/6/2017		1.9	2.1			
4/26/2017	6.5	2	2.1	1.7		
6/28/2017	6.4					
6/29/2017		2.6	2.8			
6/30/2017				1.8		
10/3/2017			2.2			
10/4/2017	6.8	2.6		1.8		
10/11/2017					2.4	
10/12/2017						3.8
11/20/2017					1.8	4.4
1/10/2018						4.6
1/11/2018					1.6	
2/19/2018						4.6
2/20/2018					2	
4/3/2018					3.3	5.9
6/5/2018			1.7			
6/6/2018		2.7				
6/11/2018	6.8			2		
6/28/2018					2.1	5
8/7/2018					1.2	4.3
9/24/2018					1.3	4.9
9/25/2018	7.8	3.6	2.2			
10/2/2018				1.8		
3/26/2019						4.4
3/27/2019					1.4	
4/1/2019				1.7		
4/2/2019			2.5			
4/3/2019	6.3	3.1				
9/24/2019			3.1			
9/25/2019		2.8		1.6		
9/26/2019	7.1					
10/9/2019					2.05 (D)	5.05 (D)
10/10/2019		3.7	3.3			
3/19/2020				1.8		
3/24/2020	6.8	2.7	2.8			4.7
3/25/2020					1.9	

Time Series

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
9/23/2020	7.2					
9/24/2020		2.7	2	1.5	2.7	5
3/1/2021				1.6		
3/3/2021	7.2	2.7				
3/4/2021			1.8		4.9	4.9
8/19/2021				1.6		
8/26/2021	7.3				7.2	
8/27/2021		2.8				
9/1/2021			1.8			
9/3/2021						5.5
2/8/2022					7.4	6.2
2/9/2022	7	2.8	1.7			
2/11/2022				2.1		
8/30/2022	7		2.4			
8/31/2022		2.9		1.8	6.7	6.3
2/7/2023	6.4	2.9	2.4		5.6	
2/8/2023				1.6		6.9
8/15/2023	6.7	2.8	2.3		4.5	5.6
8/16/2023				1.5		
2/20/2024		2.9	2.3	1.4	4.6	5.7
2/23/2024	6.6					
8/20/2024		3	2.3	1.4		
8/21/2024	7.4				4	5.4
2/25/2025	6.5	2.6	2	1.3	3.5	4.5
8/12/2025	7	3.1	2.2	1.6	3.9	4.6

Time Series

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	5.2				
8/31/2016		13	5.8		
9/1/2016				37	
11/14/2016	6.4		5.8		
11/15/2016		14			
11/16/2016				37	
2/24/2017	5.5				
2/27/2017			5	33	
2/28/2017		12			
5/8/2017	5.8	13		33	
5/9/2017			4.6		
7/11/2017	5.8				
7/13/2017		13	4.7	32	
10/10/2017	5.9	14	4.5		
10/11/2017				29	
4/2/2018	4.8				
4/3/2018			4.6		
4/4/2018		13.4		26.6	
9/19/2018	4	14.2	4.7	26.5	
3/27/2019	4.3	14	4.6	20.9	
10/8/2019	4.4	14.8			
10/9/2019			4.95 (D)	25	
3/17/2020	4.1	14	4.6	24.8	
7/6/2020				25.8	
8/27/2020					3.9
8/28/2020				25.9	
9/22/2020	4.2	14.4			4.1
9/23/2020			4.9	28.1	
10/7/2020				28.2	4
11/12/2020				26.7	3.8
3/1/2021	3.7	14	5		3.7
3/2/2021				27.4	
8/19/2021	3.5	13	4.1		
8/20/2021					3.1
8/27/2021				29.3	
2/8/2022	3.2				
2/9/2022		13.5	4.9	28.2	3.2
8/31/2022	3.5	14.5	5.4	29.9	3.4
2/8/2023	3.5	14.9			
2/9/2023			5.9		
2/10/2023				33.5	3.3
8/15/2023	3.5	13.4	5.6	32.2	3
2/20/2024	3.2				
2/21/2024		13.2	6	36.3	2.9
8/20/2024	3.6				
8/21/2024		13.3	6.5	39.6	
8/22/2024					3
2/25/2025	3				
2/26/2025		11.7	6.4	35.2	2.6
8/12/2025	3.9	12			3.1
8/13/2025			7.5	35.6	

Time Series

Constituent: Chromium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	0.0029					
9/12/2007	0.0084					
3/20/2008	0.0027					
8/27/2008	0.0026					
3/3/2009	0.0022					
11/18/2009	0.0036					
3/3/2010	<0.005					
9/8/2010	<0.005					
3/10/2011	<0.005					
9/8/2011	<0.005					
3/5/2012	<0.005					
9/10/2012	<0.005					
2/6/2013	<0.005					
8/12/2013	<0.005					
2/5/2014	0.0059					
8/5/2014	<0.005					
2/4/2015	<0.005					
8/3/2015	0.0011 (J)					
2/16/2016	<0.005					
6/1/2016		0.0035	<0.005			<0.005
6/2/2016					0.0013 (J)	
7/21/2016	<0.005					
7/25/2016			0.0007 (J)			0.0007 (J)
7/26/2016		0.0009 (J)			0.0006 (J)	
8/31/2016	<0.005					
9/13/2016		<0.005	<0.005			
9/14/2016				<0.005		<0.005
9/15/2016					<0.005	
11/1/2016		<0.005			<0.005	<0.005
11/4/2016			<0.005	<0.005		
11/28/2016	<0.005					
12/15/2016				<0.005		
1/11/2017		<0.005			<0.005	<0.005
1/16/2017			<0.005	<0.005		
2/22/2017	<0.005					
3/1/2017						0.0004 (J)
3/2/2017		0.0009 (J)	0.0004 (J)		0.0006 (J)	
3/3/2017				0.0005 (J)		
4/26/2017					<0.005	<0.005
4/27/2017		<0.005	<0.005			
4/28/2017				0.0004 (J)		
5/8/2017	<0.005					
5/26/2017				<0.005		
6/27/2017		<0.005	<0.005			
6/28/2017				<0.005	<0.005	<0.005
7/17/2017	<0.005					
10/16/2017	<0.005					
2/19/2018	<0.005					
3/27/2018			<0.005			
3/28/2018				<0.005	<0.005	<0.005
3/29/2018		<0.005				
8/6/2018	<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
2/25/2019	<0.005					
2/27/2019		<0.005	<0.005	<0.005	<0.005	<0.005
3/28/2019		<0.005	0.0021 (J)			
3/29/2019				<0.005		
4/1/2019					<0.005	<0.005
6/12/2019	<0.005					
8/19/2019	<0.005					
9/24/2019		0.00072 (J)	0.0028 (J)	<0.005		
9/25/2019					0.0014 (J)	0.0019 (J)
10/8/2019	<0.005					
2/10/2020		0.00042 (J)	<0.005			
2/11/2020				<0.005		<0.005
2/12/2020					<0.005	
3/17/2020	<0.005					
3/18/2020			0.00044 (J)			
3/19/2020		0.00084 (J)		0.00048 (J)	<0.005	<0.005
8/26/2020	<0.005					
9/22/2020	<0.005					
9/23/2020		0.00062 (J)	0.00058 (J)	<0.005	<0.005	<0.005
2/10/2021				<0.005	<0.005	<0.005
2/12/2021		<0.005	<0.005			
3/2/2021	<0.005					
3/3/2021		<0.005	<0.005	<0.005	<0.005	<0.005
8/19/2021		<0.005	<0.005		<0.005	
8/20/2021	<0.005					
8/27/2021				<0.005		<0.005
2/8/2022	<0.005					
2/9/2022		<0.005	<0.005	<0.005	<0.005	<0.005
8/30/2022	<0.005	0.0011 (J)		<0.005		
8/31/2022			<0.005		<0.005	<0.005
2/7/2023	<0.005	<0.005	0.0013 (J)	<0.005		
2/8/2023					<0.005	<0.005
8/15/2023	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2023						<0.005
2/20/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/20/2024		<0.005	<0.005	<0.005	<0.005	<0.005
2/25/2025		<0.005	<0.005	<0.005	<0.005	<0.005
8/12/2025		<0.005	<0.005	<0.005	0.0017 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.005	<0.005	<0.005	<0.005		
6/6/2016						0.0012 (J)
6/7/2016					<0.005	
7/26/2016	<0.005	0.0006 (J)	0.0006 (J)	<0.005		
7/27/2016					0.0008 (J)	0.0007 (J)
9/14/2016	<0.005	<0.005	<0.005			
9/15/2016				<0.005		
9/16/2016					<0.005	
9/19/2016						<0.005
11/2/2016	<0.005	<0.005		<0.005		
11/3/2016					<0.005	<0.005
11/4/2016			<0.005			
1/10/2017				<0.005		
1/11/2017					<0.005	<0.005
1/12/2017		<0.005	<0.005			
1/13/2017	<0.005					
3/1/2017						0.0012 (J)
3/2/2017					0.001 (J)	
3/6/2017	<0.005					
3/7/2017		0.0012 (J)	0.0006 (J)			
3/8/2017				0.0005 (J)		
4/26/2017				<0.005		0.0005 (J)
5/1/2017	<0.005	0.0004 (J)				
5/2/2017			<0.005		0.0007 (J)	
6/27/2017		<0.005	<0.005			
6/28/2017						0.0006 (J)
6/29/2017	<0.005				0.0006 (J)	
6/30/2017				<0.005		
3/27/2018				<0.005		
3/28/2018					<0.005	<0.005
3/29/2018	<0.005	<0.005	<0.005			
2/26/2019				<0.005		
3/4/2019	<0.005	<0.005	<0.005			
3/5/2019					<0.005	
3/6/2019						<0.005
3/29/2019				<0.005		
9/25/2019				<0.005		
2/11/2020					0.00087 (J)	0.001 (J)
2/12/2020	<0.005	<0.005	0.00043 (J)	<0.005		
3/18/2020				<0.005		
3/24/2020		<0.005	0.0014 (J)		0.00087 (J)	0.00095 (J)
3/25/2020	0.00058 (J)					
9/22/2020	<0.005	0.0011 (J)	<0.005			
9/23/2020					0.00098 (J)	0.00092 (J)
9/25/2020				<0.005		
2/8/2021		<0.005	<0.005			
2/9/2021	<0.005				0.00098 (J)	0.00083 (J)
2/10/2021				<0.005		
3/2/2021		<0.005	<0.005	<0.005		
3/3/2021	0.0013				0.00082 (J)	0.00087 (J)
8/19/2021				<0.005		
8/26/2021	<0.005	<0.005	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
8/27/2021					<0.005	<0.005
2/9/2022					<0.005	<0.005
2/10/2022		<0.005	<0.005	<0.005		
2/11/2022	<0.005					
8/30/2022		<0.005	<0.005		<0.005	<0.005
8/31/2022	<0.005			<0.005		
2/7/2023		<0.005			<0.005	<0.005
2/8/2023				<0.005		
2/9/2023	<0.005		0.0012 (J)			
8/15/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/20/2024	<0.005	<0.005	<0.005		<0.005	<0.005
2/23/2024				<0.005		
8/20/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/25/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/12/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.005		
6/6/2016	<0.005					
6/7/2016		<0.005	<0.005			
7/25/2016				<0.005		
7/27/2016	0.0006 (J)	0.0005 (J)				
7/28/2016			<0.005			
9/16/2016	<0.005					
9/19/2016		<0.005	<0.005	<0.005		
11/1/2016				<0.005		
11/2/2016		<0.005				
11/3/2016	<0.005		<0.005			
1/11/2017	<0.005					
1/13/2017		<0.005	<0.005			
1/16/2017				<0.005		
2/21/2017				<0.005		
3/1/2017	<0.005					
3/6/2017		0.0005 (J)	0.0004 (J)			
4/26/2017	0.0003 (J)	0.0007 (J)	<0.005	0.0016 (J)		
6/28/2017	<0.005					
6/29/2017		0.0005 (J)	<0.005			
6/30/2017				<0.005		
10/11/2017					<0.005	
10/12/2017						<0.005
11/20/2017					<0.005	<0.005
1/10/2018						<0.005
1/11/2018					<0.005	
2/19/2018						<0.005
2/20/2018					<0.005	
3/27/2018				<0.005		
3/28/2018	<0.005					
3/29/2018		<0.005	<0.005			
4/3/2018					<0.005	<0.005
6/28/2018					<0.005	<0.005
8/7/2018					<0.005	<0.005
9/24/2018					<0.005	<0.005
2/26/2019				<0.005		
3/5/2019	<0.005	<0.005	<0.005			
4/1/2019				<0.005		
8/21/2019					<0.005	0.00053 (J)
9/25/2019				<0.005		
10/9/2019					<0.005	0.0012 (J)
2/11/2020	0.00088 (J)					
2/12/2020		0.00045 (J)	<0.005	<0.005	<0.005	0.00065 (J)
3/19/2020				<0.005		
3/24/2020	0.0011 (J)	0.00077 (J)	<0.005			0.00055 (J)
3/25/2020					<0.005	
9/23/2020	0.0012 (J)					
9/24/2020		0.00076 (J)	<0.005	<0.005	<0.005	<0.005
2/9/2021	0.0013 (J)	0.00056 (J)	<0.005			
2/10/2021					<0.005	<0.005
2/11/2021				<0.005		
3/1/2021				<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
3/3/2021	0.001 (J)	<0.005				
3/4/2021			<0.005		<0.005	<0.005
8/19/2021				<0.005		
8/26/2021	<0.005				<0.005	
8/27/2021		<0.005				
9/1/2021			<0.005			
9/3/2021						<0.005
2/8/2022					<0.005	<0.005
2/9/2022	0.0014 (J)	<0.005	<0.005			
2/11/2022				<0.005		
8/30/2022	0.0015 (J)		<0.005			
8/31/2022		<0.005		<0.005	<0.005	<0.005
2/7/2023	0.0016 (J)	<0.005	<0.005		<0.005	
2/8/2023				0.0021 (J)		<0.005
8/15/2023	0.0013 (J)	<0.005	<0.005		<0.005	<0.005
8/16/2023				<0.005		
2/20/2024		<0.005	<0.005	<0.005	<0.005	<0.005
2/23/2024	<0.005					
8/20/2024		<0.005	<0.005	<0.005		
8/21/2024	<0.005				<0.005	<0.005
2/25/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/12/2025	0.0014 (J)	<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	<0.005				
8/31/2016		<0.005	<0.005		
9/1/2016				<0.005	
11/14/2016	0.0093 (J)		0.0061 (J)		
11/15/2016		<0.005			
11/16/2016				<0.005	
2/24/2017	<0.005				
2/27/2017			<0.005	<0.005	
2/28/2017		<0.005			
5/8/2017	<0.005	<0.005		<0.005	
5/9/2017			<0.005		
7/11/2017	<0.005				
7/13/2017		<0.005	0.0006 (J)	<0.005	
10/10/2017	<0.005	<0.005	<0.005		
10/11/2017				<0.005	
4/2/2018	<0.005				
4/3/2018			<0.005		
4/4/2018		<0.005		<0.005	
9/19/2018	<0.005	<0.005	<0.005	<0.005	
8/20/2019	<0.005	<0.005	<0.005		
8/21/2019				<0.005	
7/6/2020				<0.005	
8/27/2020	<0.005	<0.005			<0.005
8/28/2020			<0.005	<0.005	
9/22/2020	<0.005	<0.005			0.00073 (J)
9/23/2020			0.00058 (J)	<0.005	
10/7/2020				<0.005	0.00086 (J)
11/12/2020				<0.005	<0.005
3/1/2021	<0.005	<0.005	<0.005		0.00094 (J)
3/2/2021				<0.005	
8/19/2021	<0.005	<0.005	<0.005		
8/20/2021					<0.005
8/27/2021				<0.005	
2/8/2022	<0.005				
2/9/2022		<0.005	<0.005	<0.005	0.0012 (J)
8/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005
2/8/2023	<0.005	<0.005			
2/9/2023			<0.005		
2/10/2023				<0.005	0.0021 (J)
8/15/2023	<0.005	<0.005	<0.005	<0.005	<0.005
2/20/2024	<0.005				
2/21/2024		0.0021 (J)	<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
2/25/2025	<0.005				
2/26/2025		<0.005	<0.005	<0.005	<0.005
8/12/2025	<0.005	<0.005			<0.005
8/13/2025			<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	0.0067					
9/12/2007	<0.01					
3/20/2008	<0.01					
8/27/2008	<0.01					
3/3/2009	<0.01					
11/18/2009	<0.01					
3/3/2010	0.0027					
9/8/2010	0.007					
3/10/2011	<0.01					
9/8/2011	<0.01					
3/5/2012	0.0032					
9/10/2012	<0.01					
2/6/2013	<0.01					
8/12/2013	0.0045					
2/5/2014	<0.01					
8/5/2014	0.0027					
2/4/2015	0.0016					
8/3/2015	0.002					
2/16/2016	0.0027					
6/1/2016		<0.005	0.00082 (J)			<0.005
6/2/2016					<0.005	
7/21/2016	0.0011 (J)					
7/25/2016			0.0008 (J)			<0.005
7/26/2016		<0.005			<0.005	
8/31/2016	0.0053 (J)					
9/13/2016		<0.005	0.0009 (J)			
9/14/2016				<0.005		<0.005
9/15/2016					<0.005	
11/1/2016		<0.005			<0.005	<0.005
11/4/2016			0.0025 (J)	<0.005		
11/28/2016	0.0036 (J)					
12/15/2016				<0.005		
1/11/2017		<0.005			<0.005	<0.005
1/16/2017			0.0027 (J)	<0.005		
2/22/2017	0.0049 (J)					
3/1/2017						<0.005
3/2/2017		<0.005	0.0022 (J)		<0.005	
3/3/2017				<0.005		
4/26/2017					<0.005	<0.005
4/27/2017		<0.005	0.0018 (J)			
4/28/2017				<0.005		
5/8/2017	0.0059 (J)					
5/26/2017				<0.005		
6/27/2017		<0.005	0.0023 (J)			
6/28/2017				<0.005	<0.005	<0.005
7/17/2017	0.0046 (J)					
10/16/2017	0.0034 (J)					
2/19/2018	<0.01					
3/27/2018			<0.01			
3/28/2018				<0.005	<0.005	<0.005
3/29/2018		<0.005				
6/5/2018		<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/6/2018			<0.01			
6/7/2018				<0.005	<0.005	
6/8/2018						<0.005
8/6/2018	0.003 (J)					
10/1/2018		<0.005	0.00059 (J)	<0.005	<0.005	<0.005
2/25/2019	0.001 (J)					
2/27/2019		<0.005	0.00064 (J)	<0.005	<0.005	<0.005
3/28/2019		<0.005	0.00091 (J)			
3/29/2019				<0.005		
4/1/2019					<0.005	<0.005
6/12/2019	0.003 (J)					
8/19/2019	0.0035 (J)					
9/24/2019		<0.005	0.0013 (J)	<0.005		
9/25/2019					<0.005	<0.005
10/8/2019	0.0039 (J)					
2/10/2020		<0.005	0.0016 (J)			
2/11/2020				<0.005		<0.005
2/12/2020					<0.005	
3/17/2020	0.003 (J)					
3/18/2020			0.00087 (J)			
3/19/2020		<0.005		<0.005	<0.005	<0.005
8/26/2020	0.2 (O)					
9/22/2020	0.16 (O)					
9/23/2020		<0.005	0.0013 (J)	<0.005	<0.005	<0.005
2/10/2021				<0.005	<0.005	<0.005
2/12/2021		0.00086 (J)	0.0028 (J)			
3/2/2021	0.21 (O)					
3/3/2021		<0.005	0.003 (J)	<0.005	<0.005	<0.005
8/19/2021		0.00055 (J)	0.0017 (J)		<0.005	
8/20/2021	0.074 (O)					
8/27/2021				<0.005		<0.005
2/8/2022	0.072 (O)					
2/9/2022		0.00072 (J)	0.0023 (J)	<0.005	<0.005	<0.005
8/30/2022	0.075 (O)	<0.005		<0.005		
8/31/2022			0.00085 (J)		<0.005	<0.005
2/7/2023	0.034	0.00097 (J)	0.0048 (J)	<0.005		
2/8/2023					<0.005	<0.005
8/15/2023	0.031	<0.005	0.00072 (J)	<0.005	<0.005	
8/16/2023						<0.005
2/20/2024	0.023	0.00055 (J)	0.0018 (J)	<0.005	<0.005	<0.005
8/20/2024		<0.005	0.00033 (J)	<0.005	<0.005	<0.005
2/25/2025		<0.005	0.0014 (J)	<0.005	<0.005	<0.005
8/12/2025		<0.005	0.0014 (J)	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	0.00082 (J)	<0.005	<0.005	<0.005		
6/6/2016						<0.005
6/7/2016					<0.005	
7/26/2016	0.0012 (J)	<0.005	<0.005	<0.005		
7/27/2016					<0.005	<0.005
9/14/2016	0.0006 (J)	<0.005	<0.005			
9/15/2016				<0.005		
9/16/2016					<0.005	
9/19/2016						<0.005
11/2/2016	<0.005	<0.005		<0.005		
11/3/2016					<0.005	<0.005
11/4/2016			<0.005			
1/10/2017				<0.005		
1/11/2017					<0.005	<0.005
1/12/2017		<0.005	<0.005			
1/13/2017	0.0029 (J)					
3/1/2017						<0.005
3/2/2017					<0.005	
3/6/2017	0.0006 (J)					
3/7/2017		<0.005	<0.005			
3/8/2017				<0.005		
4/26/2017				<0.005		<0.005
5/1/2017	<0.005	<0.005				
5/2/2017			<0.005		<0.005	
6/27/2017		<0.005	<0.005			
6/28/2017						<0.005
6/29/2017	0.0005 (J)				<0.005	
6/30/2017				<0.005		
3/27/2018				<0.005		
3/28/2018					<0.005	<0.005
3/29/2018	<0.005	<0.005	<0.005			
6/6/2018		<0.005				
6/7/2018	0.00058 (J)		<0.005			<0.005
6/8/2018				<0.005		
6/11/2018					<0.005	
9/25/2018					<0.005	<0.005
9/26/2018	<0.005	<0.005	<0.005			
10/1/2018				<0.005		
2/26/2019				<0.005		
3/4/2019	<0.005	<0.005	<0.005			
3/5/2019					<0.005	
3/6/2019						<0.005
3/29/2019				<0.005		
4/2/2019					<0.005	
4/3/2019	0.00083 (J)	<0.005	<0.005			<0.005
9/24/2019		<0.005	<0.005			
9/25/2019	<0.005			<0.005	<0.005	
9/26/2019						<0.005
2/11/2020					<0.005	<0.005
2/12/2020	<0.005	0.00037 (J)	<0.005	<0.005		
3/18/2020				<0.005		
3/24/2020		0.00035 (J)	<0.005		<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
3/25/2020	0.00056 (J)					
9/22/2020	<0.005	<0.005	<0.005			
9/23/2020					<0.005	<0.005
9/25/2020				<0.005		
2/8/2021		<0.005	<0.005			
2/9/2021	<0.005				<0.005	<0.005
2/10/2021				<0.005		
3/2/2021		<0.005	<0.005	<0.005		
3/3/2021	<0.005				<0.005	<0.005
8/19/2021				<0.005		
8/26/2021	0.00042 (J)	<0.005	<0.005			
8/27/2021					<0.005	<0.005
2/9/2022					<0.005	<0.005
2/10/2022		<0.005	<0.005	<0.005		
2/11/2022	<0.005					
8/30/2022		<0.005	<0.005		<0.005	<0.005
8/31/2022	<0.005			<0.005		
2/7/2023		<0.005			<0.005	<0.005
2/8/2023				<0.005		
2/9/2023	<0.005		<0.005			
8/15/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/20/2024	<0.005	<0.005	<0.005		<0.005	<0.005
2/23/2024				<0.005		
8/20/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/25/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/12/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				0.035		
6/6/2016	0.00061 (J)					
6/7/2016		<0.005	0.0056			
7/25/2016				0.0312		
7/27/2016	0.0004 (J)	<0.005				
7/28/2016			0.0032 (J)			
9/16/2016	0.0008 (J)					
9/19/2016		<0.005	0.0047 (J)	0.0275		
11/1/2016				0.0255		
11/2/2016		<0.005				
11/3/2016	<0.005		0.013			
1/11/2017	<0.005					
1/13/2017		<0.005	0.011			
1/16/2017				0.0245		
2/21/2017				0.0272		
3/1/2017	<0.005					
3/6/2017		<0.005	0.011			
4/26/2017	<0.005	<0.005	0.009 (J)	0.0244		
6/28/2017	<0.005					
6/29/2017		<0.005	0.0093 (J)			
6/30/2017				0.0233		
10/11/2017					<0.005	
10/12/2017						<0.005
11/20/2017					<0.005	<0.005
1/10/2018						<0.005
1/11/2018					<0.005	
2/19/2018						<0.005
2/20/2018					<0.005	
3/27/2018				0.023		
3/28/2018	<0.005					
3/29/2018		<0.005	<0.01			
4/3/2018					<0.005	<0.005
6/5/2018			0.0041 (J)			
6/6/2018		<0.005				
6/11/2018	<0.005			0.023		
6/28/2018					<0.005	<0.005
8/7/2018					<0.005	<0.005
9/24/2018					<0.005	<0.005
9/25/2018	<0.005	<0.005	0.0044 (J)			
10/2/2018				0.022		
2/26/2019				0.021		
3/5/2019	<0.005	<0.005	0.0039 (J)			
4/1/2019				0.022		
4/2/2019			0.0039 (J)			
4/3/2019	<0.005	<0.005				
8/21/2019					0.00034 (J)	<0.005
9/24/2019			0.0032 (J)			
9/25/2019		<0.005		0.016		
9/26/2019	<0.005					
10/9/2019					<0.005	<0.005
2/11/2020	<0.005					
2/12/2020		<0.005	0.0081	0.014	0.00034 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
3/19/2020				0.014		
3/24/2020	<0.005	<0.005	0.0061			<0.005
3/25/2020					0.00034 (J)	
9/23/2020	<0.005					
9/24/2020		<0.005	0.0079	0.0064	0.00053 (J)	<0.005
2/9/2021	<0.005	<0.005	0.009			
2/10/2021					0.00098 (J)	<0.005
2/11/2021				0.0078		
3/1/2021				0.0061		
3/3/2021	<0.005	<0.005				
3/4/2021			0.0065		0.00071 (J)	<0.005
8/19/2021				0.0052		
8/26/2021	<0.005				0.0011 (J)	
8/27/2021		<0.005				
9/1/2021			0.0068			
9/3/2021						<0.005
2/8/2022					0.0012 (J)	<0.005
2/9/2022	<0.005	<0.005	0.0078			
2/11/2022				0.0038 (J)		
8/30/2022	<0.005		0.0066			
8/31/2022		<0.005		0.004 (J)	0.00085 (J)	<0.005
2/7/2023	<0.005	<0.005	0.014		0.00066 (J)	
2/8/2023				0.0031 (J)		<0.005
8/15/2023	<0.005	<0.005	0.011		0.00072 (J)	<0.005
8/16/2023				0.0028 (J)		
2/20/2024		<0.005	0.02	0.0029 (J)	0.00073 (J)	<0.005
2/23/2024	<0.005					
8/20/2024		<0.005	0.02	0.0023 (J)		
8/21/2024	<0.005				0.00048 (J)	<0.005
2/25/2025	<0.005	<0.005	0.041 (o)	0.0023 (J)	<0.005	<0.005
8/12/2025	<0.005	<0.005	0.031	0.0024 (J)	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	0.0073 (J)				
8/31/2016		0.0119	0.0009 (J)		
9/1/2016				0.0171	
11/14/2016	0.0115		0.0009 (J)		
11/15/2016		0.0033 (J)			
11/16/2016				0.0145	
2/24/2017	0.0106				
2/27/2017			0.001 (J)	0.0161	
2/28/2017		0.0017 (J)			
5/8/2017	0.0099 (J)	0.0018 (J)		0.0367	
5/9/2017			0.0008 (J)		
7/11/2017	0.0096 (J)				
7/13/2017		0.0022 (J)	0.0009 (J)	0.0265	
10/10/2017	0.0036 (J)	0.0017 (J)	0.0008 (J)		
10/11/2017				0.0556	
4/2/2018	<0.005				
4/3/2018			<0.005		
4/4/2018		<0.01		0.025	
9/19/2018	0.0036 (J)	0.0025 (J)	0.00081 (J)	0.042	
8/20/2019	0.00092 (J)	0.002 (J)	0.00071 (J)		
8/21/2019				0.027	
10/8/2019	0.0014 (J)	0.0017 (J)			
10/9/2019			0.0007 (J)	0.024	
3/17/2020	0.0017 (J)	0.004 (J)	0.00081 (J)	0.022	
7/6/2020				0.0041 (J)	
8/27/2020	0.0011 (J)	0.003 (J)			0.0022 (J)
8/28/2020			0.00055 (J)	0.0038 (J)	
9/22/2020	0.00097 (J)	0.0065			0.0019 (J)
9/23/2020			0.00053 (J)	0.0015 (J)	
10/7/2020				0.0014 (J)	0.0019 (J)
11/12/2020				0.001 (J)	0.0015 (J)
3/1/2021	0.001 (J)	0.0033 (J)	0.00062 (J)		0.0013 (J)
3/2/2021				0.00096 (J)	
8/19/2021	0.00099 (J)	0.0014 (J)	0.00048 (J)		
8/20/2021					0.0013 (J)
8/27/2021				0.00056 (J)	
2/8/2022	0.0013 (J)				
2/9/2022		0.0027 (J)	0.00051 (J)	0.0006 (J)	0.0015 (J)
8/31/2022	0.00096 (J)	0.00099 (J)	0.00069 (J)	0.0017 (J)	0.00096 (J)
2/8/2023	0.0011 (J)	0.0014 (J)			
2/9/2023			0.00077 (J)		
2/10/2023				0.0016 (J)	0.00055 (J)
8/15/2023	0.00072 (J)	0.00084 (J)	0.00053 (J)	0.0012 (J)	0.0017 (J)
2/20/2024	0.0011 (J)				
2/21/2024		0.00093 (J)	0.00056 (J)	0.0011 (J)	0.00042 (J)
8/20/2024	0.00034 (J)				
8/21/2024		0.001 (J)	0.00053 (J)	0.00078 (J)	
8/22/2024					0.00054 (J)
2/25/2025	<0.005				
2/26/2025		0.0013 (J)	<0.005	<0.005	<0.005
8/12/2025	<0.005	0.0013 (J)			0.0013 (J)
8/13/2025			<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/1/2016		0.321 (U)	0.42			0.896
6/2/2016					2.51	
7/25/2016			1.83			2.28
7/26/2016		0.707			3.82	
8/31/2016	1.2					
9/13/2016		1.22	0.841			
9/14/2016				0.98		0.821
9/15/2016					4.24	
11/1/2016		0.805			3.92	0.585
11/4/2016			0.166	0.277		
11/28/2016	0.264 (U)					
12/15/2016				0.071 (U)		
1/11/2017		0.705			2.52	1.22
1/16/2017			0	0.44		
2/22/2017	1.06 (U)					
3/1/2017						0.877
3/2/2017		0.251	0.504		3.13	
3/3/2017				0.448		
4/26/2017					2.35	0.672
4/27/2017		1.08	0.593			
4/28/2017				0.548		
5/8/2017	0.187 (U)					
5/26/2017				0		
6/27/2017		1.02 (U)	0.657 (U)			
6/28/2017				0.608 (U)	2.6	1.07 (U)
7/17/2017	1.42					
10/16/2017	1.17					
2/19/2018	1.58					
3/27/2018			0.39			
3/28/2018				0.412	3	0.65
3/29/2018		0.503				
6/5/2018		0.771 (U)				
6/6/2018			2.8			
6/7/2018				0.73 (U)	2.79	
6/8/2018						1.89
8/6/2018	0.196 (U)					
10/1/2018		0.783 (U)	1.06 (U)	0.756 (U)	3.14	1.58
2/27/2019		1.21 (U)	0.637 (U)	0.635 (U)	3.79	3.67
3/28/2019		1.13 (U)	0.125 (U)			
3/29/2019				0.224 (U)		
4/1/2019					4.33	2.28
8/19/2019	1.39					
9/24/2019		1.22 (U)	0.949 (U)	0.429 (U)		
9/25/2019					4.2	1.6
10/8/2019	1.32 (U)					
2/10/2020		1.41	1.25 (U)			
2/11/2020				0.817 (U)	3.87	1.85
3/17/2020	1 (U)					
3/18/2020			0.458 (U)			
3/19/2020		1.1		0.715 (U)	3.96	2.2
8/26/2020	1.75					
9/22/2020	0.688 (U)					

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
9/23/2020		1.35 (U)	0.00884 (U)	0.565 (U)	4.14	1.14 (U)
2/10/2021				1.04 (U)	3.65	2.46
2/12/2021		0.366 (U)	0.458 (U)			
3/2/2021	0.948 (U)					
3/3/2021		0.492 (U)	0.105 (U)	0.459 (U)	3.58	2.03
8/19/2021		1.17 (U)	0.0732 (U)		3.53	
8/20/2021	0.528 (U)					
8/27/2021				0.409 (U)		1.34
2/8/2022	0.462 (U)					
2/9/2022		1.19	0.422 (U)	0.894 (U)	3.28	1.91
8/30/2022	1.52	0.827		0.699 (U)		
8/31/2022			0.49 (U)		2.12	1.33
2/7/2023	1	0.92 (U)	0.661 (U)	0.536 (U)		
2/8/2023					2.74	1.18
8/15/2023	0.833 (U)	0.935 (U)	0.726 (U)	0.611 (U)	2.79	
8/16/2023						1.87
2/20/2024	0.978 (U)	0.274 (U)	0.798 (U)	0.784 (U)	2.56	1.09 (U)
8/20/2024		0.46 (U)	0.65 (U)	0.0912 (U)	3.09	0.921 (U)
2/25/2025		1.24	0.978 (U)	0.123 (U)	3.04	1.46
8/12/2025		0.478 (U)	0.864 (U)	0.723 (U)	2.76	0.718 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	0.721	5.11	0.614	0.329 (U)		
6/6/2016						0.0804 (U)
6/7/2016					0.158 (U)	
7/26/2016	1.26	6.92	1.47	1.51		
7/27/2016					0.0354	0.206
9/14/2016	0.901	3.96	1.27			
9/15/2016				1.04		
9/16/2016					1.04	
9/19/2016						1.58
11/2/2016	1.09	4.53		0.496		
11/3/2016					0.314	0.342
11/4/2016			0.434			
1/10/2017				0.376 (U)		
1/11/2017					0.34 (U)	0.365 (U)
1/12/2017		4.43	0.202			
1/13/2017	1.19					
3/1/2017						0.395
3/2/2017					0.746	
3/6/2017	0.669					
3/7/2017		4.8	0.0674			
3/8/2017				0.0745		
4/26/2017				0.282		0.507
5/1/2017	0.803	4.16				
5/2/2017			0.444		0.111	
6/27/2017		2.8	0.77 (U)			
6/28/2017						0.892
6/29/2017	1.35				0.576 (U)	
6/30/2017				0.994		
3/27/2018				0.189		
3/28/2018					0.438	0.92
3/29/2018	0.703	3.42	0.648			
6/6/2018		3.99				
6/7/2018	0.628 (U)		0.745 (U)			0.668 (U)
6/8/2018				0.218 (U)		
6/11/2018					0.901 (U)	
9/25/2018					0.68 (U)	0.141 (U)
9/26/2018	0.756 (U)	2.73	0.377 (U)			
10/1/2018				1.24		
2/26/2019				0.202 (U)		
3/4/2019	1.21 (U)	4.43	1 (U)			
3/5/2019					0.272 (U)	
3/6/2019						0.714 (U)
3/29/2019				0 (U)		
4/2/2019					0.847 (U)	
4/3/2019	1.07 (U)	4.79	0.43 (U)			0.385 (U)
9/24/2019		4.06	0.699 (U)			
9/25/2019	1.86			0.707 (U)	0.412 (U)	
9/26/2019						0.386 (U)
2/11/2020					0.461 (U)	1.48
2/12/2020	1.25	4.02	0.913 (U)	1.07 (U)		
3/18/2020				0.207 (U)		
3/24/2020		3.52	1.37		0.534 (U)	0.632 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
3/25/2020	0.766 (U)					
9/22/2020	0.795 (U)	2.98	0.428 (U)			
9/23/2020					0.466 (U)	0.887 (U)
9/25/2020				0.603 (U)		
2/8/2021		2.89	0.613 (U)			
2/9/2021	0.626 (U)				0.529 (U)	0.314 (U)
2/10/2021				0.353 (U)		
3/2/2021		1.67	0.579 (U)	0.71 (U)		
3/3/2021	1				0.59 (U)	0.565 (U)
8/19/2021				0.786 (U)		
8/26/2021	1.17 (U)	4.68	0.798 (U)			
8/27/2021					0.9 (U)	0.761 (U)
2/9/2022					0.133 (U)	0.571 (U)
2/10/2022		3.33	0.375 (U)	0 (U)		
2/11/2022	0.996					
8/30/2022		5.34	0.72 (U)		1.08	1.01
8/31/2022	0.962			0.421 (U)		
2/7/2023		3.99			0.367 (U)	0.485 (U)
2/8/2023				0.83 (U)		
2/9/2023	1.12		0.0815 (U)			
8/15/2023	1.14	3.44	0.846 (U)	0.652 (U)	0.0388 (U)	0.655 (U)
2/20/2024	1.1 (U)	2.8	0.63 (U)		0.0387 (U)	0.068 (U)
2/23/2024				0.736 (U)		
8/20/2024	1.18	3.02	0.695 (U)	0.667 (U)	0.554 (U)	0.223 (U)
2/25/2025	1.54	3.65	0.767 (U)	0.376 (U)	0.0768 (U)	0.391 (U)
8/12/2025	1.55	3.43	0.222 (U)	0.548 (U)	0.446 (U)	0.881 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				0.0652 (U)		
6/6/2016	0.301 (U)					
6/7/2016		0.0191 (U)	0.347			
7/25/2016				3.01		
7/27/2016	0.196	0.541				
7/28/2016			0.815			
9/16/2016	0.915					
9/19/2016		0.826	0.862	0.871 (U)		
11/1/2016				0.307		
11/2/2016		0.791				
11/3/2016	0.928		0.797			
1/11/2017	0.502 (U)					
1/13/2017		0.296	0.72			
1/16/2017				0.284		
2/21/2017				0.503		
3/1/2017	0.202					
3/6/2017		0.518	0.518			
4/26/2017	0.264	0.282	1.13	0.204		
6/28/2017	0.636 (U)					
6/29/2017		1.12	0.841 (U)			
6/30/2017				0.738 (U)		
10/11/2017					0.586 (U)	
10/12/2017						1.49
11/20/2017					0.816 (U)	0.918 (U)
1/10/2018						1.05
1/11/2018					0.841 (U)	
2/19/2018						2.05
2/20/2018					1.58	
3/27/2018				0.31		
3/28/2018	0.56					
3/29/2018		1.73	1.91			
4/3/2018					0.385 (U)	0.68 (U)
6/5/2018			1.39			
6/6/2018		0.694 (U)				
6/11/2018	0.649 (U)			0.608 (U)		
6/28/2018					0.283 (U)	1.28
8/7/2018					0.332 (U)	1.16
9/24/2018					0.767 (U)	0.965
9/25/2018	0.574 (U)	0.772 (U)	1.62			
10/2/2018				0.97 (U)		
2/26/2019				0.524 (U)		
3/5/2019	0.474 (U)	0.84 (U)	0.985 (U)			
4/1/2019				1.02 (U)		
4/2/2019			1.42			
4/3/2019	0.429 (U)	1.01				
8/21/2019					1.01 (U)	1.24
9/24/2019			1.35			
9/25/2019		1.18 (U)		1.02 (U)		
9/26/2019	0.222 (U)					
10/9/2019					1.02	0.866 (U)
2/11/2020	0.597 (U)					
2/12/2020		1.11 (U)	1.61	0.301 (U)	0.45 (U)	1.83

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
3/19/2020				1		
3/24/2020	0.262 (U)	1.88	1.24 (U)			1.27 (U)
3/25/2020					0.377 (U)	
9/23/2020	0.43 (U)					
9/24/2020		0.611 (U)	1.8	0.684 (U)	0.568 (U)	0.634 (U)
2/9/2021	0.259 (U)	0.284 (U)	1.24			
2/10/2021					0.518 (U)	0.783 (U)
2/11/2021				0.678 (U)		
3/1/2021				0.412 (U)		
3/3/2021	0.352 (U)	0.133 (U)				
3/4/2021			1.2		0.636 (U)	0.818 (U)
8/19/2021				0.234 (U)		
8/26/2021	0.686 (U)				0.674 (U)	
8/27/2021		0.779 (U)				
9/1/2021			1.86			
9/3/2021						0.971 (U)
2/8/2022					0.834	0.534 (U)
2/9/2022	0.0618 (U)	0.504 (U)	1.94			
2/10/2022				0.268 (U)		
8/30/2022	0.611 (U)		1.27			
8/31/2022		0.184 (U)		0.506 (U)	0.937	0.513 (U)
2/7/2023	0.656 (U)	0.794 (U)	1.53		1.41	
2/8/2023				0.417 (U)		1.56
8/15/2023	0.347 (U)	0.165 (U)	1.68		0.608 (U)	0.325 (U)
8/16/2023				0.895 (U)		
2/20/2024		0.165 (U)	1.19	0.375 (U)	0.701 (U)	0.437 (U)
2/23/2024	0.318 (U)					
8/20/2024		0.371 (U)	0.545 (U)	0.748 (U)		
8/21/2024	0.684 (U)				1.52	0.265 (U)
2/25/2025	0.359 (U)	1.2 (U)	1.14 (U)	0.385 (U)	0.895 (U)	0.685 (U)
8/12/2025	0.521 (U)	0.754 (U)	1.72	0.125 (U)	1.33 (U)	0.483 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	1.09				
8/31/2016		2.15	1.65		
9/1/2016				2.28	
11/14/2016			0.981		
11/15/2016		0.676			
11/16/2016				0.639	
11/28/2016				0.996	
12/15/2016	1				
2/24/2017	0.504				
2/27/2017			0.528	0.617	
2/28/2017		0.241			
5/8/2017	0.455	0.508		0.949	
5/9/2017			1.4		
7/11/2017	0.471 (U)				
7/13/2017		0.77 (U)	0.611 (U)	1.41	
10/10/2017	0.649 (U)	1.43	1.47		
10/11/2017				0.856 (U)	
4/2/2018	0.512				
4/3/2018			1.53		
4/4/2018		0.325		0.974	
9/19/2018	0.789 (U)	0.386 (U)	0.839 (U)	1.15 (U)	
8/20/2019	2.44	1.71	2.23		
8/21/2019				1.31	
10/8/2019	1.72	0.769 (U)			
10/9/2019			1.61	0.892 (U)	
3/17/2020	1.22 (U)	1.37	1.44	1.74	
7/6/2020				2.27	
8/27/2020	1.26 (U)	0.0859 (U)			0.852 (U)
8/28/2020			0.983 (U)	2.34	
9/22/2020	1.06 (U)	0.327 (U)			0.268 (U)
9/23/2020			0.746 (U)	0.575 (U)	
10/7/2020				1.81	0.819 (U)
11/12/2020				0.106 (U)	1.41 (U)
3/1/2021	1.2	0.0694 (U)	1.28		0.846 (U)
3/2/2021				1.64	
8/19/2021	1.07 (U)	0.261 (U)	1.38		
8/20/2021					0.496 (U)
8/27/2021				1.83	
2/8/2022	0.4 (U)				
2/9/2022		0.332 (U)	1.11	1.74	0.926
8/31/2022	0.714 (U)	0.145 (U)	0.598 (U)	1.51	0.322 (U)
2/8/2023	0.375 (U)	0.193 (U)			
2/9/2023			1.29		
2/10/2023				1.92	0.786 (U)
8/15/2023	0.947 (U)	1.15	1.34	1.92	0.319 (U)
2/20/2024	0.939 (U)				
2/21/2024		0.345 (U)	0.857 (U)	2	0.164 (U)
8/20/2024	0.873 (U)				
8/21/2024		0.411 (U)	1.29	1.87	
8/22/2024					0.862 (U)
2/25/2025	1.1 (U)				
2/26/2025		0.971 (U)	1.49	3.69	0.841 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/12/2025	1.28 (U)	0.14 (U)			0.63 (U)
8/13/2025			1.35	2.21	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/1/2016		0.12 (J)	<0.1			0.15 (J)
6/2/2016					0.62	
7/25/2016			0.06 (J)			0.14 (J)
7/26/2016		0.08 (J)			0.49	
8/31/2016	0.14 (J)					
9/13/2016		0.11 (J)	<0.1			
9/14/2016				0.08 (J)		0.18 (J)
9/15/2016					0.54	
11/1/2016		0.1 (J)			0.68	0.15 (J)
11/4/2016			0.07 (J)	0.12 (J)		
11/28/2016	0.12 (J)					
12/15/2016				0.06 (J)		
1/11/2017		0.05 (J)			0.49	0.09 (J)
1/16/2017			0.03 (J)	0.1 (J)		
2/22/2017	0.09 (J)					
3/1/2017						0.2 (J)
3/2/2017		0.09 (J)	0.06 (J)		0.48	
3/3/2017				0.11 (J)		
4/26/2017					0.48	0.08 (J)
4/27/2017		0.04 (J)	0.01 (J)			
4/28/2017				0.06 (J)		
5/8/2017	0.05 (J)					
5/26/2017				0.09 (J)		
6/27/2017		0.06 (J)	0.06 (J)			
6/28/2017				0.11 (J)	0.47	0.12 (J)
7/17/2017	0.14 (J)					
10/3/2017		0.07 (J)	<0.1	0.12 (J)		
10/4/2017					0.47	0.1 (J)
10/16/2017	0.12 (J)					
2/19/2018	<0.3					
3/27/2018			<0.1			
3/28/2018				0.31	0.56	<0.1
3/29/2018		<0.3				
6/5/2018		0.055 (J)				
6/6/2018			<0.1			
6/7/2018				0.11 (J)	0.48	
6/8/2018						0.2 (J)
8/6/2018	0.087 (J)					
10/1/2018		<0.3	<0.1	<0.3	0.44	<0.1
2/25/2019	0.14 (J)					
2/27/2019		0.052 (J)	<0.1	0.12 (J)	0.53	0.13 (J)
3/28/2019		0.036 (J)	<0.1			
3/29/2019				0.13 (J)		
4/1/2019					0.45	0.1 (J)
6/12/2019	0.12 (J)					
8/19/2019	<0.3					
9/24/2019		0.063 (J)	<0.1	0.081 (J)		
9/25/2019					0.46	0.1 (J)
10/8/2019	0.052 (J)					
2/10/2020		0.061 (J)	<0.1			
2/11/2020				0.075 (J)		0.094 (J)
2/12/2020					0.4	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
3/17/2020	0.053 (J)					
3/18/2020			<0.1			
3/19/2020		0.064 (J)		0.093 (J)	0.51	0.11 (J)
8/26/2020	0.068 (J)					
9/22/2020	0.058 (J)					
9/23/2020		0.058 (J)	<0.1	0.08 (J)	0.47	0.098 (J)
2/10/2021				0.094 (J)	0.43	<0.1
2/12/2021		0.068 (J)	<0.1			
3/2/2021	0.073 (J)					
3/3/2021		0.078 (J)	<0.1	0.085 (J)	0.44	0.1
8/19/2021		0.074 (J)	<0.1		0.47	
8/20/2021	0.06 (J)					
8/27/2021				0.12		0.12
2/8/2022	0.064 (J)					
2/9/2022		0.057 (J)	<0.1	0.094 (J)	0.43	0.097 (J)
8/30/2022	0.086 (J)	0.093 (J)		0.12		
8/31/2022			0.065 (J)		0.42	0.13
2/7/2023	0.095 (J)	0.093 (J)	0.071 (J)	0.12		
2/8/2023					0.56	0.16
8/15/2023	0.065 (J)	0.057 (J)	<0.1	0.081 (J)	0.42	
8/16/2023						0.11
2/20/2024	0.094 (J)	0.086 (J)	<0.1	0.1	0.45	0.12
8/20/2024		0.066 (J)	<0.1	0.085 (J)	0.45	0.12
2/25/2025		0.094 (J)	0.06 (J)	0.12	0.45	0.14
8/12/2025		0.061 (J)	<0.1	0.086 (J)	0.42	0.094 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.1	0.11 (J)	<0.1	<0.1		
6/6/2016						<0.1
6/7/2016					<0.1	
7/26/2016	<0.1	0.05 (J)	<0.1	0.02 (J)		
7/27/2016					<0.1	<0.1
9/14/2016	<0.1	0.04 (J)	<0.1			
9/15/2016				<0.1		
9/16/2016					<0.1	
9/19/2016						<0.1
11/2/2016	0.07 (J)	0.2 (J)		0.04 (J)		
11/3/2016					<0.1	<0.1
11/4/2016			<0.1			
1/10/2017				<0.1		
1/11/2017					<0.1	<0.1
1/12/2017		0.04 (J)	<0.1			
1/13/2017	<0.1					
3/1/2017						0.03 (J)
3/2/2017					0.04 (J)	
3/6/2017	0.05 (J)					
3/7/2017		0.09 (J)	0.03 (J)			
3/8/2017				0.04 (J)		
4/26/2017				<0.1		<0.1
5/1/2017	<0.1	0.04 (J)				
5/2/2017			<0.1		<0.1	
6/27/2017		0.09 (J)	<0.1			
6/28/2017						<0.1
6/29/2017	0.02 (J)				0.02 (J)	
6/30/2017				<0.1		
10/3/2017		0.05 (J)	<0.1			
10/4/2017					<0.1	
10/5/2017	<0.1			<0.1		<0.1
3/27/2018				<0.1		
3/28/2018					<0.1	<0.1
3/29/2018	<0.1	<0.1	<0.1			
6/6/2018		0.15 (J)				
6/7/2018	<0.1		<0.1			<0.1
6/8/2018				<0.1		
6/11/2018					<0.1	
9/25/2018					<0.1	<0.1
9/26/2018	<0.1	<0.1	<0.1			
10/1/2018				<0.1		
2/26/2019				<0.1		
3/4/2019	<0.1	0.19 (J)	<0.1			
3/5/2019					<0.1	
3/6/2019						<0.1
3/29/2019				<0.1		
4/2/2019					<0.1	
4/3/2019	<0.1	0.047 (J)	<0.1			<0.1
9/24/2019		0.05 (J)	<0.1			
9/25/2019	<0.1			<0.1	<0.1	
9/26/2019						<0.1
10/10/2019		0.16 (J)	1.1		<0.1	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
2/11/2020					<0.1	<0.1
2/12/2020	<0.1	<0.1	<0.1	<0.1		
3/18/2020				<0.1		
3/24/2020		<0.1	<0.1		<0.1	<0.1
3/25/2020	<0.1					
9/22/2020	<0.1	0.056 (J)	<0.1			
9/23/2020					<0.1	<0.1
9/25/2020				<0.1		
2/8/2021		0.055 (J)	<0.1			
2/9/2021	<0.1				<0.1	<0.1
2/10/2021				<0.1		
3/2/2021		<0.1	<0.1	<0.1		
3/3/2021	<0.1				<0.1	<0.1
8/19/2021				<0.1		
8/26/2021	<0.1	0.061 (J)	<0.1			
8/27/2021					<0.1	<0.1
2/9/2022					<0.1	<0.1
2/10/2022		0.055 (J)	<0.1	<0.1		
2/11/2022	<0.1					
8/30/2022		0.085 (J)	<0.1		<0.1	<0.1
8/31/2022	0.061 (J)			0.053 (J)		
2/7/2023		0.082 (J)			<0.1	<0.1
2/8/2023				0.059 (J)		
2/9/2023	0.067 (J)		<0.1			
8/15/2023	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2/20/2024	0.059 (J)	0.076 (J)	<0.1		<0.1	<0.1
2/23/2024				<0.1		
8/20/2024	<0.1	0.058 (J)	<0.1	<0.1	<0.1	<0.1
2/25/2025	0.061 (J)	0.082 (J)	<0.1	0.052 (J)	<0.1	<0.1
8/12/2025	<0.1	0.05 (J)	<0.1	<0.1	<0.1	<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.1		
6/6/2016	<0.1					
6/7/2016		<0.1	<0.3			
7/25/2016				0.06 (J)		
7/27/2016	<0.1	<0.1				
7/28/2016			0.02 (J)			
9/16/2016	<0.1					
9/19/2016		<0.1	0.02 (J)	<0.1		
11/1/2016				0.07 (J)		
11/2/2016		<0.1				
11/3/2016	<0.1		0.07 (J)			
1/11/2017	<0.1					
1/13/2017		<0.1	<0.3			
1/16/2017				<0.1		
2/21/2017				0.05 (J)		
3/1/2017	0.03 (J)					
3/6/2017		0.04 (J)	0.09 (J)			
4/26/2017	<0.1	<0.1	0.04 (J)	<0.1		
6/28/2017	<0.1					
6/29/2017		0.03 (J)	0.05 (J)			
6/30/2017				0.01 (J)		
10/3/2017			0.08 (J)			
10/4/2017	<0.1	<0.1		<0.1		
10/11/2017					<0.1	
10/12/2017						<0.1
11/20/2017					<0.1	<0.1
1/10/2018						<0.1
1/11/2018					<0.1	
2/19/2018						<0.1
2/20/2018					<0.1	
3/27/2018				<0.1		
3/28/2018	<0.1					
3/29/2018		<0.1	<0.3			
4/3/2018					<0.1	<0.1
6/5/2018			0.13 (J)			
6/6/2018		<0.1				
6/11/2018	<0.1			<0.1		
6/28/2018					<0.1	<0.1
8/7/2018					0.048 (J)	<0.1
9/24/2018					<0.1	<0.1
9/25/2018	<0.1	<0.1	0.029 (J)			
10/2/2018				<0.1		
2/26/2019				<0.1		
3/5/2019	<0.1	<0.1	0.32			
3/26/2019						<0.1
3/27/2019					<0.1	
4/1/2019				<0.1		
4/2/2019			0.12 (J)			
4/3/2019	<0.1	<0.1				
8/21/2019					<0.1	<0.1
9/24/2019			0.15 (J)			
9/25/2019		<0.1		<0.1		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
9/26/2019	<0.1					
10/9/2019					<0.1	<0.1
10/10/2019		0.099 (J)	0.11 (J)			
2/11/2020	<0.1					
2/12/2020		<0.1	0.1 (J)	<0.1	<0.1	<0.1
3/19/2020				<0.1		
3/24/2020	<0.1	<0.1	0.081 (J)			<0.1
3/25/2020					<0.1	
9/23/2020	<0.1					
9/24/2020		<0.1	0.079 (J)	<0.1	<0.1	<0.1
2/9/2021	<0.1	<0.1	0.092 (J)			
2/10/2021					<0.1	<0.1
2/11/2021				<0.1		
3/1/2021				<0.1		
3/3/2021	<0.1	<0.1				
3/4/2021			0.091 (J)		<0.1	<0.1
8/19/2021				<0.1		
8/26/2021	<0.1				0.063 (J)	
8/27/2021		<0.1				
9/1/2021			0.11			
9/3/2021						<0.1
2/8/2022					0.052 (J)	<0.1
2/9/2022	<0.1	<0.1	0.1			
2/11/2022				<0.1		
8/30/2022	<0.1		0.1			
8/31/2022		<0.1		0.06 (J)	0.065 (J)	0.05 (J)
2/7/2023	<0.1	<0.1	0.1		0.076 (J)	
2/8/2023				0.064 (J)		<0.1
8/15/2023	<0.1	<0.1	0.061 (J)		<0.1	<0.1
8/16/2023				<0.1		
2/20/2024		<0.1	0.083 (J)	0.051 (J)	0.063 (J)	<0.1
2/23/2024	<0.1					
8/20/2024		<0.1	0.062 (J)	<0.1		
8/21/2024	0.051 (J)				0.083 (J)	0.06 (J)
2/25/2025	<0.1	<0.1	0.088 (J)	0.062 (J)	0.078 (J)	0.053 (J)
8/12/2025	<0.1	<0.1	0.059 (J)	<0.1	<0.1	<0.1

Time Series

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	0.09 (J)				
8/31/2016		<0.1	0.11 (J)		
9/1/2016				0.08 (J)	
11/14/2016	0.18 (J)		0.71		
11/15/2016		0.12 (J)			
11/16/2016				0.04 (J)	
2/24/2017	0.05 (J)				
2/27/2017			0.22 (J)	0.05 (J)	
2/28/2017		0.07 (J)			
5/8/2017	0.03 (J)	0.04 (J)		0.004 (J)	
5/9/2017			0.2 (J)		
7/11/2017	0.07 (J)				
7/13/2017		<0.1	0.11 (J)	0.35	
10/10/2017	<0.1	<0.1	0.39		
10/11/2017				<0.3	
4/2/2018	<0.1				
4/3/2018			<0.3		
4/4/2018		<0.1		<0.3	
9/19/2018	<0.1	<0.1	<0.3	<0.3	
3/27/2019	0.081 (J)	<0.1	0.18 (J)	0.12 (J)	
8/20/2019	<0.1	<0.1	<0.3		
8/21/2019				<0.3	
10/8/2019	0.034 (J)	<0.1 (D)			
10/9/2019			<0.3 (D)	0.12 (J)	
3/17/2020	<0.1	<0.1	0.076 (J)	<0.3	
7/6/2020				0.12	
8/27/2020	<0.1	<0.1			<0.1
8/28/2020			0.07 (J)	0.12	
9/22/2020	<0.1	<0.1			<0.1
9/23/2020			0.082 (J)	0.12	
10/7/2020				0.13	<0.1
11/12/2020				0.084 (J)	<0.1
3/1/2021	<0.1	<0.1	0.073 (J)		<0.1
3/2/2021				0.12	
8/19/2021	<0.1	<0.1	0.075 (J)		
8/20/2021					<0.1
8/27/2021				0.13	
2/8/2022	<0.1				
2/9/2022		<0.1	0.063 (J)	0.12	<0.1
8/31/2022	0.065 (J)	0.055 (J)	0.1	0.12	0.059 (J)
2/8/2023	0.077 (J)	0.062 (J)			
2/9/2023			0.11		
2/10/2023				0.17	0.063 (J)
8/15/2023	<0.1	<0.1	0.07 (J)	0.12	<0.1
2/20/2024	0.073 (J)				
2/21/2024		<0.1	0.099 (J)	0.11	0.054 (J)
8/20/2024	<0.1				
8/21/2024		<0.1	0.077 (J)	0.1	
8/22/2024					<0.1
2/25/2025	0.069 (J)				
2/26/2025		<0.1	0.069 (J)	0.075 (J)	<0.1
8/12/2025	<0.1	<0.1			<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/13/2025			0.11	0.11	

Time Series

Constituent: Lead (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	<0.001					
9/12/2007	<0.001					
3/20/2008	<0.001					
8/27/2008	<0.001					
3/3/2009	<0.001					
11/18/2009	<0.001					
3/3/2010	<0.001					
9/8/2010	<0.001					
3/10/2011	<0.001					
9/8/2011	<0.001					
3/5/2012	<0.001					
9/10/2012	<0.001					
2/6/2013	<0.001					
8/12/2013	<0.001					
2/5/2014	<0.001					
8/5/2014	<0.001					
2/4/2015	<0.001					
8/3/2015	<0.001					
2/16/2016	<0.001					
6/1/2016		0.00056 (J)	<0.001			<0.001
6/2/2016					0.00056 (J)	
7/21/2016	<0.001					
7/25/2016			<0.001			<0.001
7/26/2016		<0.001			0.0001 (J)	
8/31/2016	<0.001					
9/13/2016		0.0001 (J)	<0.001			
9/14/2016				<0.001		<0.001
9/15/2016					0.0002 (J)	
11/1/2016		<0.001			<0.001	<0.001
11/4/2016			<0.001	<0.001		
11/28/2016	<0.001					
12/15/2016				<0.001		
1/11/2017		<0.001			<0.001	<0.001
1/16/2017			<0.001	<0.001		
2/22/2017	<0.001					
3/1/2017						<0.001
3/2/2017		0.0001 (J)	<0.001		0.0002 (J)	
3/3/2017				<0.001		
4/26/2017					<0.001	<0.001
4/27/2017		<0.001	<0.001			
4/28/2017				<0.001		
5/8/2017	<0.001					
5/26/2017				<0.001		
6/27/2017		<0.001	<0.001			
6/28/2017				<0.001	<0.001	<0.001
7/17/2017	<0.001					
10/16/2017	<0.001					
2/19/2018	<0.001					
3/27/2018			<0.001			
3/28/2018				<0.001	<0.001	<0.001
3/29/2018		<0.001				
8/6/2018	<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
2/25/2019	<0.001					
2/27/2019		<0.001	<0.001	<0.001	<0.001	<0.001
6/12/2019	<0.001					
8/19/2019	<0.001					
10/8/2019	<0.001					
2/10/2020		4.9E-05 (J)	<0.001			
2/11/2020				<0.001		<0.001
2/12/2020					<0.001	
3/17/2020	<0.001					
3/18/2020			<0.001			
3/19/2020		0.00012 (J)		<0.001	0.00017 (J)	<0.001
8/26/2020	<0.001					
9/22/2020	0.0001 (J)					
9/23/2020		<0.001	0.00021 (J)	0.0011 (J)	<0.001	0.00015 (J)
2/10/2021				0.00015 (J)	<0.001	<0.001
2/12/2021		4.4E-05 (J)	0.00038 (J)			
3/2/2021	<0.001					
3/3/2021		5.6E-05 (J)	<0.001	<0.001	<0.001	<0.001
8/19/2021		<0.001	<0.001		<0.001	
8/20/2021	<0.001					
8/27/2021				<0.001		<0.001
2/8/2022	<0.001					
2/9/2022		<0.001	<0.001	<0.001	<0.001	<0.001
8/30/2022	<0.001	<0.001		<0.001		
8/31/2022			<0.001		<0.001	<0.001
2/7/2023	<0.001	<0.001	<0.001	<0.001		
2/8/2023					<0.001	<0.001
8/15/2023	<0.001	<0.001	<0.001	<0.001	<0.001	
8/16/2023						<0.001
2/20/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/20/2024		<0.001	<0.001	<0.001	<0.001	<0.001
2/25/2025		<0.001	<0.001	<0.001	<0.001	<0.001
8/12/2025		<0.001	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.001	<0.001	<0.001	<0.001		
6/6/2016						<0.001
6/7/2016					<0.001	
7/26/2016	<0.001	<0.001	<0.001	<0.001		
7/27/2016					<0.001	<0.001
9/14/2016	<0.001	<0.001	<0.001			
9/15/2016				<0.001		
9/16/2016					<0.001	
9/19/2016						<0.001
11/2/2016	<0.001	<0.001		<0.001		
11/3/2016					<0.001	<0.001
11/4/2016			<0.001			
1/10/2017				<0.001		
1/11/2017					<0.001	<0.001
1/12/2017		<0.001	<0.001			
1/13/2017	<0.001					
3/1/2017						<0.001
3/2/2017					8E-05 (J)	
3/6/2017	<0.001					
3/7/2017		0.0001 (J)	7E-05 (J)			
3/8/2017				0.0001 (J)		
4/26/2017				<0.001		<0.001
5/1/2017	<0.001	<0.001				
5/2/2017			<0.001		<0.001	
6/27/2017		<0.001	<0.001			
6/28/2017						<0.001
6/29/2017	<0.001				8E-05 (J)	
6/30/2017				<0.001		
3/27/2018				<0.001		
3/28/2018					<0.001	<0.001
3/29/2018	<0.001	<0.001	<0.001			
2/26/2019				<0.001		
3/4/2019	<0.001	<0.001	<0.001			
3/5/2019					<0.001	
3/6/2019						<0.001
4/2/2019					<0.001	
4/3/2019	<0.001	<0.001	<0.001			<0.001
9/24/2019		<0.001	9E-05 (J)			
9/25/2019	<0.001				<0.001	
9/26/2019						<0.001
2/11/2020					<0.001	<0.001
2/12/2020	<0.001	<0.001	<0.001	<0.001		
3/18/2020				<0.001		
3/24/2020		5.4E-05 (J)	6.8E-05 (J)		6.4E-05 (J)	7.1E-05 (J)
3/25/2020	<0.001					
9/22/2020	<0.001	4.5E-05 (J)	4.2E-05 (J)			
9/23/2020					4.1E-05 (J)	6E-05 (J)
9/25/2020				<0.001		
2/8/2021		0.00013 (J)	3.7E-05 (J)			
2/9/2021	<0.001				<0.001	5E-05 (J)
2/10/2021				4.8E-05 (J)		
3/2/2021		5.1E-05 (J)	9.2E-05 (J)	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
3/3/2021	<0.001				<0.001	<0.001
8/19/2021				<0.001		
8/26/2021	<0.001	<0.001	<0.001			
8/27/2021					<0.001	<0.001
2/9/2022					<0.001	<0.001
2/10/2022		<0.001	<0.001	<0.001		
2/11/2022	<0.001					
8/30/2022		<0.001	<0.001		<0.001	<0.001
8/31/2022	<0.001			<0.001		
2/7/2023		<0.001			<0.001	<0.001
2/8/2023				<0.001		
2/9/2023	<0.001		<0.001			
8/15/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/20/2024	<0.001	<0.001	<0.001		<0.001	<0.001
2/23/2024				<0.001		
8/20/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/25/2025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/12/2025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.001		
6/6/2016	<0.001					
6/7/2016		<0.001	<0.001			
7/25/2016				<0.001		
7/27/2016	<0.001	<0.001				
7/28/2016			<0.001			
9/16/2016	<0.001					
9/19/2016		<0.001	<0.001	<0.001		
11/1/2016				<0.001		
11/2/2016		0.0013 (J)				
11/3/2016	<0.001		<0.001			
1/11/2017	<0.001					
1/13/2017		<0.001	<0.001			
1/16/2017				<0.001		
2/21/2017				<0.001		
3/1/2017	0.0001 (J)					
3/6/2017		<0.001	<0.001			
4/26/2017	0.0001 (J)	<0.001	<0.001	<0.001		
6/28/2017	0.0001 (J)					
6/29/2017		<0.001	<0.001			
6/30/2017				<0.001		
10/11/2017					0.0001 (J)	
10/12/2017						9E-05 (J)
11/20/2017					<0.001	<0.001
1/10/2018						<0.001
1/11/2018					0.0002 (J)	
2/19/2018						<0.001
2/20/2018					<0.001	
3/27/2018				<0.001		
3/28/2018	<0.001					
3/29/2018		<0.001	<0.001			
4/3/2018					<0.001	<0.001
6/28/2018					<0.001	<0.001
8/7/2018					<0.001	<0.001
9/24/2018					<0.001	<0.001
2/26/2019				<0.001		
3/5/2019	<0.001	<0.001	<0.001			
4/2/2019			<0.001			
4/3/2019	<0.001	<0.001				
8/21/2019					<0.001	<0.001
9/24/2019			<0.001			
9/25/2019		<0.001				
9/26/2019	<0.001					
10/9/2019					<0.001	<0.001
2/11/2020	<0.001					
2/12/2020		<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020				<0.001		
3/24/2020	5.4E-05 (J)	0.00011 (J)	<0.001			<0.001
3/25/2020					5.1E-05 (J)	
9/23/2020	9.7E-05 (J)					
9/24/2020		9.2E-05 (J)	4.6E-05 (J)	<0.001	<0.001	3.8E-05 (J)
2/9/2021	9.4E-05 (J)	6.3E-05 (J)	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
2/10/2021					<0.001	<0.001
2/11/2021				4.6E-05 (J)		
3/1/2021				<0.001		
3/3/2021	7.6E-05 (J)	4.5E-05 (J)				
3/4/2021			<0.001		<0.001	<0.001
8/19/2021				<0.001		
8/26/2021	<0.001				<0.001	
8/27/2021		<0.001				
9/1/2021			<0.001			
9/3/2021						<0.001
2/8/2022					<0.001	<0.001
2/9/2022	<0.001	<0.001	<0.001			
2/11/2022				<0.001		
8/30/2022	<0.001		<0.001			
8/31/2022		<0.001		<0.001	<0.001	<0.001
2/7/2023	<0.001	<0.001	<0.001		<0.001	
2/8/2023				<0.001		<0.001
8/15/2023	<0.001	<0.001	<0.001		<0.001	<0.001
8/16/2023				<0.001		
2/20/2024		<0.001	<0.001	<0.001	<0.001	<0.001
2/23/2024	<0.001					
8/20/2024		<0.001	<0.001	<0.001		
8/21/2024	<0.001				<0.001	<0.001
2/25/2025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/12/2025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	<0.001				
8/31/2016		<0.001	<0.001		
9/1/2016				<0.001	
11/14/2016	<0.001		<0.001		
11/15/2016		<0.001			
11/16/2016				<0.001	
2/24/2017	<0.001				
2/27/2017			<0.001	<0.001	
2/28/2017		<0.001			
5/8/2017	<0.001	<0.001		<0.001	
5/9/2017			0.0001 (J)		
7/11/2017	<0.001				
7/13/2017		<0.001	<0.001	<0.001	
10/10/2017	<0.001	<0.001	<0.001		
10/11/2017				<0.001	
4/2/2018	<0.001				
4/3/2018			<0.001		
4/4/2018		<0.001		<0.001	
9/19/2018	<0.001	<0.001	<0.001	<0.001	
8/20/2019	<0.001	<0.001	<0.001		
8/21/2019				<0.001	
7/6/2020				<0.001	
8/27/2020	<0.001	<0.001			9.2E-05 (J)
8/28/2020			<0.001	<0.001	
9/22/2020	<0.001	<0.001			6E-05 (J)
9/23/2020			<0.001	<0.001	
10/7/2020				<0.001	<0.001
11/12/2020				4.4E-05 (J)	6.4E-05 (J)
3/1/2021	<0.001	<0.001	<0.001		8.7E-05 (J)
3/2/2021				<0.001	
8/19/2021	<0.001	<0.001	<0.001		
8/20/2021					<0.001
8/27/2021				<0.001	
2/8/2022	<0.001				
2/9/2022		<0.001	<0.001	<0.001	<0.001
8/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001
2/8/2023	<0.001	<0.001			
2/9/2023			<0.001		
2/10/2023				<0.001	<0.001
8/15/2023	<0.001	<0.001	<0.001	<0.001	<0.001
2/20/2024	<0.001				
2/21/2024		<0.001	<0.001	<0.001	<0.001
8/20/2024	<0.001				
8/21/2024		<0.001	<0.001	<0.001	
8/22/2024					<0.001
2/25/2025	<0.001				
2/26/2025		<0.001	<0.001	<0.001	<0.001
8/12/2025	<0.001	<0.001			<0.001
8/13/2025			<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/1/2016		0.015	<0.03			0.01
6/2/2016					0.018	
7/25/2016			0.002 (J)			0.0132 (J)
7/26/2016		0.0135 (J)			0.0221 (J)	
8/31/2016	<0.15					
9/13/2016		0.0112 (J)	<0.03			
9/14/2016				0.004 (J)		0.012 (J)
9/15/2016					0.0197 (J)	
11/1/2016		0.0163 (J)			0.0194 (J)	0.0115 (J)
11/4/2016			<0.03	<0.03		
11/28/2016	<0.15					
12/15/2016				0.0026 (J)		
1/11/2017		0.0166 (J)			0.0177 (J)	0.0085 (J)
1/16/2017			0.0023 (J)	0.0023 (J)		
2/22/2017	<0.15					
3/1/2017						0.0114 (J)
3/2/2017		0.0159 (J)	0.0025 (J)		0.0185 (J)	
3/3/2017				0.0013 (J)		
4/26/2017					0.0183 (J)	0.0092 (J)
4/27/2017		0.0137 (J)	0.0027 (J)			
4/28/2017				0.0031 (J)		
5/8/2017	0.0014 (J)					
5/26/2017				0.0038 (J)		
6/27/2017		0.0094 (J)	0.0024 (J)			
6/28/2017				0.0026 (J)	0.0173 (J)	0.0085 (J)
7/17/2017	<0.15					
10/16/2017	0.0016 (J)					
2/19/2018	<0.15					
3/27/2018			0.0023 (J)			
3/28/2018				0.0025 (J)	0.02 (J)	0.013 (J)
3/29/2018		0.0078 (J)				
6/5/2018		0.0079 (J)				
6/6/2018			0.0024 (J)			
6/7/2018				0.0017 (J)	0.02 (J)	
6/8/2018						0.012 (J)
8/6/2018	<0.15					
10/1/2018		0.0053 (J)	0.0023 (J)	<0.03	0.02 (J)	0.011 (J)
2/27/2019		0.0093 (J)	0.0023 (J)	0.0011 (J)	0.021 (J)	0.014 (J)
3/28/2019		0.013 (J)	0.0022 (J)			
3/29/2019				0.0016 (J)		
4/1/2019					0.021 (J)	0.013 (J)
8/19/2019	0.0019 (J)					
9/24/2019		0.0046 (J)	0.0023 (J)	0.0011 (J)		
9/25/2019					0.02 (J)	0.01 (J)
10/8/2019	0.0015 (J)					
2/10/2020		0.011 (J)	0.0023 (J)			
2/11/2020				0.0012 (J)		0.013 (J)
2/12/2020					0.019 (J)	
3/17/2020	0.0017 (J)					
3/18/2020			0.0024 (J)			
3/19/2020		0.013 (J)		0.0022 (J)	0.023 (J)	0.014 (J)
8/26/2020	0.0032 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
9/22/2020	0.0029 (J)					
9/23/2020		0.014 (J)	0.0024 (J)	0.0016 (J)	0.023 (J)	0.013 (J)
2/10/2021				0.0039 (J)	0.023 (J)	0.015 (J)
2/12/2021		0.01 (J)	0.0025 (J)			
3/2/2021	0.0033 (J)					
3/3/2021		0.012 (J)	0.0025 (J)	0.0016 (J)	0.024 (J)	0.017 (J)
8/19/2021		0.013 (J)	0.0023 (J)		0.023 (J)	
8/20/2021	0.0028 (J)					
8/27/2021				0.0058 (J)		0.026 (J)
2/8/2022	0.0031 (J)					
2/9/2022		0.013 (J)	0.0027 (J)	0.006 (J)	0.026 (J)	0.021 (J)
8/30/2022	0.0025 (J)	0.013 (J)		0.0044 (J)		
8/31/2022			<0.03		0.021 (J)	0.022 (J)
2/7/2023	0.0022 (J)	0.006 (J)	0.0029 (J)	0.0047 (J)		
2/8/2023					0.023 (J)	0.018 (J)
8/15/2023	<0.15	0.0079 (J)	0.002 (J)	<0.03	0.023 (J)	
8/16/2023						0.025 (J)
2/20/2024	0.0024 (J)	0.0071 (J)	<0.03	0.0021 (J)	0.021 (J)	0.02 (J)
8/20/2024		0.0037 (J)	0.0023 (J)	<0.03	0.021 (J)	0.017 (J)
2/25/2025		0.00366 (J)	0.0027 (J)	0.00111 (J)	0.0219 (J)	0.0168 (J)
8/12/2025		0.00853	0.0025	0.00344	0.021	0.0171

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	0.013	0.0049 (J)	<0.15	<0.002		
6/6/2016						0.0088
6/7/2016					<0.002	
7/26/2016	0.0123 (J)	0.0063 (J)	0.0027 (J)	<0.002		
7/27/2016					<0.002	0.0087 (J)
9/14/2016	0.0137 (J)	0.0058 (J)	0.0029 (J)			
9/15/2016				<0.002		
9/16/2016					<0.002	
9/19/2016						0.0043 (J)
11/2/2016	0.0136 (J)	0.0053 (J)		<0.002		
11/3/2016					<0.002	<0.15
11/4/2016			<0.15			
1/10/2017				<0.002		
1/11/2017					0.0035 (J)	0.0052 (J)
1/12/2017		0.0054 (J)	0.0032 (J)			
1/13/2017	0.0121 (J)					
3/1/2017						0.0053 (J)
3/2/2017					<0.002	
3/6/2017	0.0143 (J)					
3/7/2017		0.0056 (J)	0.0035 (J)			
3/8/2017				<0.002		
4/26/2017				<0.002		0.0041 (J)
5/1/2017	0.0132 (J)	0.0031 (J)				
5/2/2017			0.0031 (J)		<0.002	
6/27/2017		0.0018 (J)	0.0029 (J)			
6/28/2017						0.0039 (J)
6/29/2017	0.0145 (J)				<0.002	
6/30/2017				<0.002		
3/27/2018				<0.002		
3/28/2018					<0.002	0.0041 (J)
3/29/2018	0.014 (J)	0.0058 (J)	0.0034 (J)			
6/6/2018		0.0068 (J)				
6/7/2018	0.013 (J)		0.0032 (J)			0.0032 (J)
6/8/2018				<0.002		
6/11/2018					<0.002	
9/25/2018					<0.002	0.0036 (J)
9/26/2018	0.014 (J)	0.0065 (J)	0.0032 (J)			
10/1/2018				<0.002		
2/26/2019				<0.002		
3/4/2019	0.015 (J)	0.0065 (J)	0.0032 (J)			
3/5/2019					<0.002	
3/6/2019						0.0033 (J)
3/29/2019				<0.002		
4/2/2019					<0.002	
4/3/2019	0.014 (J)	0.007 (J)	0.0035 (J)			0.0035 (J)
9/24/2019		0.0065 (J)	0.0031 (J)			
9/25/2019	0.014 (J)			<0.002	<0.002	
9/26/2019						0.0032 (J)
2/11/2020					<0.002	0.0033 (J)
2/12/2020	0.011 (J)	0.0066 (J)	0.0032 (J)	<0.002		
3/18/2020				<0.002		
3/24/2020		0.0064 (J)	0.0033 (J)		0.0034 (J)	0.0033 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
3/25/2020	0.014 (J)					
9/22/2020	0.013 (J)	0.0066 (J)	0.0034 (J)			
9/23/2020					<0.002	0.003 (J)
9/25/2020				<0.002		
2/8/2021		0.0063 (J)	0.0032 (J)			
2/9/2021	0.011 (J)				<0.002	0.0031 (J)
2/10/2021				<0.002		
3/2/2021		0.0018 (J)	0.0031 (J)	<0.002		
3/3/2021	0.012 (J)				<0.002	0.0034 (J)
8/19/2021				<0.002		
8/26/2021	0.0094 (J)	0.0075 (J)	0.0032 (J)			
8/27/2021					<0.002	0.0032 (J)
2/9/2022					<0.002	0.0032 (J)
2/10/2022		0.0076 (J)	0.0036 (J)	<0.002		
2/11/2022	0.012 (J)					
8/30/2022		0.0068 (J)	0.0035 (J)		<0.002	0.0036 (J)
8/31/2022	0.013 (J)			<0.002		
2/7/2023		0.0059 (J)			<0.002	0.003 (J)
2/8/2023				<0.002		
2/9/2023	0.014 (J)		0.0036 (J)			
8/15/2023	0.0083 (J)	0.0059 (J)	<0.15	<0.002	<0.002	<0.15
2/20/2024	0.014 (J)	0.0056 (J)	0.0033 (J)		<0.002	0.0038 (J)
2/23/2024				<0.002		
8/20/2024	0.011 (J)	0.0024 (J)	0.0031 (J)	<0.002	<0.002	0.0032 (J)
2/25/2025	0.0125 (J)	0.00582 (J)	0.00364 (J)	<0.002	<0.002	0.00373 (J)
8/12/2025	0.014	0.00438	0.00324	<0.002	<0.002	0.00308

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.03		
6/6/2016	0.015					
6/7/2016		<0.002	0.0055			
7/25/2016				<0.03		
7/27/2016	0.0049 (J)	<0.002				
7/28/2016			0.0045 (J)			
9/16/2016	0.0031 (J)					
9/19/2016		<0.002	0.0054 (J)	<0.03		
11/1/2016				<0.03		
11/2/2016		<0.002				
11/3/2016	0.0021 (J)		<0.05			
1/11/2017	0.0025 (J)					
1/13/2017		<0.002	0.0062 (J)			
1/16/2017				<0.03		
2/21/2017				<0.03		
3/1/2017	0.0029 (J)					
3/6/2017		<0.002	0.0059 (J)			
4/26/2017	0.0019 (J)	<0.002	0.0054 (J)	<0.03		
6/28/2017	0.0016 (J)					
6/29/2017		<0.002	0.0047 (J)			
6/30/2017				<0.03		
10/11/2017					0.0018 (J)	
10/12/2017						<0.03
11/20/2017					0.0018 (J)	<0.03
1/10/2018						<0.03
1/11/2018					0.0019 (J)	
2/19/2018						<0.03
2/20/2018					<0.05	
3/27/2018				0.0011 (J)		
3/28/2018	0.0024 (J)					
3/29/2018		<0.002	0.0062 (J)			
4/3/2018					0.0022 (J)	<0.03
6/5/2018			0.0061 (J)			
6/6/2018		<0.002				
6/11/2018	0.0014 (J)			0.0012 (J)		
6/28/2018					0.0026 (J)	<0.03
8/7/2018					0.0024 (J)	<0.03
9/24/2018					0.0022 (J)	<0.03
9/25/2018	0.0016 (J)	<0.002	0.0062 (J)			
10/2/2018				<0.03		
2/26/2019				0.0011 (J)		
3/5/2019	0.0031 (J)	<0.002	0.0053 (J)			
4/1/2019				0.001 (J)		
4/2/2019			0.0051 (J)			
4/3/2019	0.0028 (J)	<0.002				
8/21/2019					0.0035 (J)	<0.03
9/24/2019			0.0068 (J)			
9/25/2019		<0.002		0.0011 (J)		
9/26/2019	0.0029 (J)					
10/9/2019					0.0036 (J)	<0.03
2/11/2020	0.005 (J)					
2/12/2020		<0.002	0.0065 (J)	0.0013 (J)	0.0041 (J)	<0.03

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
3/19/2020				0.0012 (J)		
3/24/2020	0.0035 (J)	<0.002	0.0064 (J)			<0.03
3/25/2020					0.0049 (J)	
9/23/2020	0.0022 (J)					
9/24/2020		<0.002	0.0069 (J)	0.0011 (J)	0.0054 (J)	<0.03
2/9/2021	0.0019 (J)	<0.002	0.006 (J)			
2/10/2021					0.0071 (J)	<0.03
2/11/2021				0.0012 (J)		
3/1/2021				0.0011 (J)		
3/3/2021	0.0021 (J)	<0.002				
3/4/2021			0.0062 (J)		0.0084 (J)	<0.03
8/19/2021				0.0012 (J)		
8/26/2021	0.0019 (J)				0.0082 (J)	
8/27/2021		<0.002				
9/1/2021			0.0057 (J)			
9/3/2021						<0.03
2/8/2022					0.008 (J)	0.00076 (J)
2/9/2022	0.0015 (J)	0.00082 (J)	0.0061 (J)			
2/11/2022				0.0014 (J)		
8/30/2022	0.0014 (J)		0.0079 (J)			
8/31/2022		<0.002		0.0012 (J)	0.0065 (J)	<0.03
2/7/2023	0.0012 (J)	<0.002	0.0059 (J)		0.0065 (J)	
2/8/2023				0.0011 (J)		0.00074 (J)
8/15/2023	0.00077 (J)	<0.002	0.0062 (J)		0.0064 (J)	<0.03
8/16/2023				<0.03		
2/20/2024		<0.002	0.0062 (J)	<0.03	0.0059 (J)	<0.03
2/23/2024	<0.03					
8/20/2024		<0.002	0.0057 (J)	<0.03		
8/21/2024	0.0032 (J)				0.0055 (J)	<0.03
2/25/2025	0.00129 (J)	<0.002	0.0067 (J)	0.00127 (J)	0.00608 (J)	0.000836 (J)
8/12/2025	0.00179 (J)	<0.002	0.00681	0.00127 (J)	0.00534	0.000801 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	0.0061 (J)				
8/31/2016		0.0115 (J)	0.0147 (J)		
9/1/2016				0.0077 (J)	
11/14/2016	0.0064 (J)		0.0175 (J)		
11/15/2016		0.0148 (J)			
11/16/2016				0.0075 (J)	
2/24/2017	0.0049 (J)				
2/27/2017			0.0135 (J)	0.0084 (J)	
2/28/2017		0.0124 (J)			
5/8/2017	0.0053 (J)	0.0132 (J)		0.0087 (J)	
5/9/2017			0.0136 (J)		
7/11/2017	0.0051 (J)				
7/13/2017		0.0124 (J)	0.0129 (J)	0.0104 (J)	
10/10/2017	0.0043 (J)	0.0123 (J)	0.015 (J)		
10/11/2017				0.0099 (J)	
4/2/2018	0.0045 (J)				
4/3/2018			0.014 (J)		
4/4/2018		0.014 (J)		0.012 (J)	
9/19/2018	0.0043 (J)	0.013 (J)	0.012 (J)	0.011 (J)	
8/20/2019	0.0036 (J)	0.013 (J)	0.012 (J)		
8/21/2019				0.0076 (J)	
10/8/2019	0.0036 (J)	0.012 (J)			
10/9/2019			0.012 (J)	0.0078 (J)	
3/17/2020	0.0046 (J)	0.013 (J)	0.014 (J)	0.0071 (J)	
7/6/2020				0.011 (J)	
8/27/2020	0.0039 (J)	0.013 (J)			0.0048 (J)
8/28/2020			0.012 (J)	0.012 (J)	
9/22/2020	0.0036 (J)	0.013 (J)			0.0046 (J)
9/23/2020			0.012 (J)	0.013 (J)	
10/7/2020				0.011 (J)	0.0041 (J)
11/12/2020				0.014 (J)	0.0044 (J)
3/1/2021	0.0037 (J)	0.013 (J)	0.012 (J)		0.0043 (J)
3/2/2021				0.013 (J)	
8/19/2021	0.0038 (J)	0.013 (J)	0.012 (J)		
8/20/2021					0.0043 (J)
8/27/2021				0.014 (J)	
2/8/2022	0.0039 (J)				
2/9/2022		0.014 (J)	0.012 (J)	0.014 (J)	0.0042 (J)
8/31/2022	0.0037 (J)	0.013 (J)	0.012 (J)	0.015 (J)	0.0037 (J)
2/8/2023	0.0037 (J)	0.014 (J)			
2/9/2023			0.01 (J)		
2/10/2023				0.011 (J)	0.0033 (J)
8/15/2023	0.004 (J)	0.013 (J)	0.012 (J)	0.012 (J)	0.004 (J)
2/20/2024	0.0036 (J)				
2/21/2024		0.012 (J)	0.012 (J)	0.012 (J)	0.0036 (J)
8/20/2024	0.0036 (J)				
8/21/2024		0.011 (J)	0.011 (J)	0.011 (J)	
8/22/2024					0.0034 (J)
2/25/2025	0.00393 (J)				
2/26/2025		0.0146 (J)	0.014 (J)	0.0178 (J)	0.00364 (J)
8/12/2025	0.004	0.0127			0.00353
8/13/2025			0.0142	0.0151	

Time Series

Constituent: Mercury (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	<0.0002					
9/12/2007	<0.0002					
3/20/2008	<0.0002					
8/27/2008	<0.0002					
3/3/2009	<0.0002					
11/18/2009	<0.0002					
3/3/2010	<0.0002					
9/8/2010	<0.0002					
3/10/2011	<0.0002					
9/8/2011	<0.0002					
3/5/2012	<0.0002					
9/10/2012	<0.0002					
2/6/2013	<0.0002					
8/12/2013	<0.0002					
2/5/2014	<0.0002					
8/5/2014	<0.0002					
2/4/2015	<0.0002					
8/3/2015	<0.0002					
2/16/2016	1.36E-05 (J)					
6/1/2016		<0.0002	<0.0002			<0.0002
6/2/2016					<0.0002	
7/21/2016	<0.0002					
7/25/2016			<0.0002			<0.0002
7/26/2016		<0.0002			<0.0002	
8/31/2016	<0.0002					
9/13/2016		<0.0002	<0.0002			
9/14/2016				<0.0002		<0.0002
9/15/2016					<0.0002	
11/1/2016		<0.0002			<0.0002	<0.0002
11/4/2016			<0.0002	<0.0002		
11/28/2016	<0.0002					
12/15/2016				<0.0002		
1/11/2017		<0.0002			<0.0002	<0.0002
1/16/2017			<0.0002	<0.0002		
2/22/2017	<0.0002					
3/1/2017						<0.0002
3/2/2017		<0.0002	<0.0002		6E-05 (J)	
3/3/2017				<0.0002		
4/26/2017					<0.0002	<0.0002
4/27/2017		<0.0002	<0.0002			
4/28/2017				<0.0002		
5/8/2017	<0.0002					
5/26/2017				<0.0002		
6/27/2017		<0.0002	<0.0002			
6/28/2017				<0.0002	<0.0002	<0.0002
7/17/2017	<0.0002					
10/16/2017	<0.0002					
2/19/2018	<0.0002					
3/27/2018			<0.0002			
3/28/2018				<0.0002	<0.0002	<0.0002
3/29/2018		<0.0002				
8/6/2018	<0.0002					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
2/25/2019	7.4E-05 (J)					
2/27/2019		5.1E-05 (J)	5.4E-05 (J)	<0.0002	6.2E-05 (J)	6.1E-05 (J)
3/28/2019		4E-05 (J)	<0.0002			
3/29/2019				<0.0002		
4/1/2019					9.6E-05 (J)	8.4E-05 (J)
6/12/2019	<0.0002					
8/19/2019	<0.0002					
9/24/2019		<0.0002	<0.0002	<0.0002		
9/25/2019					<0.0002	<0.0002
10/8/2019	<0.0002					
2/10/2020		<0.0002	<0.0002			
2/11/2020				<0.0002		<0.0002
2/12/2020					<0.0002	
5/6/2020	<0.0002					
8/26/2020	<0.0002					
9/22/2020	<0.0002					
2/10/2021				<0.0002	<0.0002	<0.0002
2/12/2021		<0.0002	<0.0002			
3/2/2021	<0.0002					
8/20/2021	<0.0002					
2/8/2022	<0.0002					
2/9/2022		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/30/2022	<0.0002	<0.0002		<0.0002		
8/31/2022			<0.0002		<0.0002	<0.0002
2/7/2023	0.00013 (J)	<0.0002	<0.0002	<0.0002		
2/8/2023					<0.0002	<0.0002
8/15/2023	<0.0002	0.00015 (J)	0.00015 (J)	0.00015 (J)	0.00014 (J)	
8/16/2023						<0.0002
2/20/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/20/2024		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/25/2025		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/12/2025		<0.0002	<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 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.0002	<0.0002	<0.0002	<0.0002		
6/6/2016						7.4E-05 (J)
6/7/2016					9.5E-05 (J)	
7/26/2016	<0.0002	<0.0002	<0.0002	<0.0002		
7/27/2016					<0.0002	<0.0002
9/14/2016	<0.0002	<0.0002	<0.0002			
9/15/2016				<0.0002		
9/16/2016					<0.0002	
9/19/2016						<0.0002
11/2/2016	<0.0002	<0.0002		<0.0002		
11/3/2016					<0.0002	<0.0002
11/4/2016			<0.0002			
1/10/2017				<0.0002		
1/11/2017					<0.0002	<0.0002
1/12/2017		<0.0002	<0.0002			
1/13/2017	<0.0002					
3/1/2017						<0.0002
3/2/2017					<0.0002	
3/6/2017	0.00014 (J)					
3/7/2017		0.0001 (J)	0.00013 (J)			
3/8/2017				0.00012 (J)		
4/26/2017				<0.0002		<0.0002
5/1/2017	<0.0002	<0.0002				
5/2/2017			<0.0002		<0.0002	
6/27/2017		<0.0002	<0.0002			
6/28/2017						<0.0002
6/29/2017	<0.0002				<0.0002	
6/30/2017				<0.0002		
3/27/2018				<0.0002		
3/28/2018					<0.0002	<0.0002
3/29/2018	<0.0002	<0.0002	<0.0002			
9/25/2018					<0.0002	<0.0002
9/26/2018	<0.0002	<0.0002	<0.0002			
2/26/2019				6.1E-05 (J)		
3/4/2019	<0.0002	<0.0002	<0.0002			
3/5/2019					<0.0002	
3/6/2019						<0.0002
3/29/2019				<0.0002		
9/25/2019				<0.0002		
2/11/2020					<0.0002	<0.0002
2/12/2020	<0.0002	<0.0002	<0.0002	<0.0002		
2/8/2021		<0.0002	<0.0002			
2/9/2021	<0.0002				<0.0002	<0.0002
2/10/2021				<0.0002		
3/2/2021		<0.0002	<0.0002			
3/3/2021	<0.0002				<0.0002	<0.0002
8/26/2021	<0.0002	<0.0002	<0.0002			
8/27/2021					<0.0002	<0.0002
2/9/2022					<0.0002	<0.0002
2/10/2022		<0.0002	<0.0002	<0.0002		
2/11/2022	<0.0002					
8/30/2022		<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 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
8/31/2022	<0.0002			<0.0002		
2/7/2023		<0.0002			0.00018 (J)	0.00013 (J)
2/8/2023				<0.0002		
2/9/2023	<0.0002		<0.0002			
8/15/2023	0.00013 (J)	0.00015 (J)	0.00014 (J)	0.00016 (J)	<0.0002	0.00014 (J)
2/20/2024	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
2/23/2024				<0.0002		
8/20/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/25/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/12/2025	<0.0002	<0.0002	<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 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.0002		
6/6/2016	7.6E-05 (J)					
6/7/2016		9.6E-05 (J)	9.6E-05 (J)			
7/25/2016				<0.0002		
7/27/2016	<0.0002	<0.0002				
7/28/2016			<0.0002			
9/16/2016	<0.0002					
9/19/2016		<0.0002	<0.0002	<0.0002		
11/1/2016				<0.0002		
11/2/2016		<0.0002				
11/3/2016	<0.0002		<0.0002			
1/11/2017	<0.0002					
1/13/2017		<0.0002	<0.0002			
1/16/2017				<0.0002		
2/21/2017				<0.0002		
3/1/2017	<0.0002					
3/6/2017		0.00014 (J)	0.00014 (J)			
4/26/2017	<0.0002	<0.0002	<0.0002	<0.0002		
6/28/2017	<0.0002					
6/29/2017		5.3E-05 (J)	<0.0002			
6/30/2017				6E-05 (J)		
10/11/2017					<0.0002	
10/12/2017						<0.0002
11/20/2017					7E-05 (J)	8E-05 (J)
1/10/2018						<0.0002
1/11/2018					<0.0002	
2/19/2018						<0.0002
2/20/2018					<0.0002	
3/27/2018				<0.0002		
3/28/2018	<0.0002					
3/29/2018		<0.0002	<0.0002			
4/3/2018					<0.0002	<0.0002
6/28/2018					<0.0002	3.6E-05 (J)
8/7/2018					<0.0002	<0.0002
9/24/2018					<0.0002	<0.0002
9/25/2018	<0.0002	<0.0002	<0.0002			
2/26/2019				6.8E-05 (J)		
3/5/2019	<0.0002	<0.0002	<0.0002			
4/1/2019				8.2E-05 (J)		
8/21/2019					<0.0002	<0.0002
9/25/2019				<0.0002		
2/11/2020	<0.0002					
2/12/2020		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002			
2/10/2021					<0.0002	<0.0002
2/11/2021				<0.0002		
3/3/2021	<0.0002	<0.0002				
3/4/2021			<0.0002		<0.0002	<0.0002
8/26/2021	<0.0002				<0.0002	
8/27/2021		<0.0002				
9/1/2021			<0.0002			
9/3/2021						0.00012 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
2/8/2022					<0.0002	0.00013 (J)
2/9/2022	<0.0002	<0.0002	<0.0002			
2/11/2022				<0.0002		
8/30/2022	<0.0002		<0.0002			
8/31/2022		<0.0002		<0.0002	<0.0002	0.00064
2/7/2023	0.00017 (J)	0.00015 (J)	0.00017 (J)		<0.0002	
2/8/2023				<0.0002		<0.0002
8/15/2023	0.00015 (J)	<0.0002	<0.0002		<0.0002	0.00037
8/16/2023				<0.0002		
2/20/2024		<0.0002	<0.0002	<0.0002	<0.0002	0.00032
2/23/2024	<0.0002					
8/20/2024		<0.0002	<0.0002	<0.0002		
8/21/2024	<0.0002				<0.0002	0.00033
2/25/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00034
8/12/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00035

Time Series

Constituent: Mercury (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	<0.0002				
8/31/2016		<0.0002	<0.0002		
9/1/2016				<0.0002	
11/14/2016	<0.0002		<0.0002		
11/15/2016		<0.0002			
11/16/2016				<0.0002	
2/24/2017	<0.0002				
2/27/2017			<0.0002	<0.0002	
2/28/2017		<0.0002			
5/8/2017	<0.0002	<0.0002		<0.0002	
5/9/2017			<0.0002		
7/11/2017	<0.0002				
7/13/2017		<0.0002	<0.0002	<0.0002	
10/10/2017	<0.0002	<0.0002	<0.0002		
10/11/2017				<0.0002	
4/2/2018	<0.0002				
4/3/2018			<0.0002		
4/4/2018		<0.0002		<0.0002	
9/19/2018	5.3E-05 (J)	6E-05 (J)	7.1E-05 (J)	7E-05 (J)	
8/20/2019	<0.0002	<0.0002	<0.0002		
8/21/2019				<0.0002	
7/6/2020				<0.0002	
8/27/2020	<0.0002	<0.0002			<0.0002
8/28/2020			<0.0002	<0.0002	
11/12/2020				<0.0002	<0.0002
8/19/2021	<0.0002	<0.0002	<0.0002		
8/20/2021					<0.0002
8/27/2021				<0.0002	
2/8/2022	<0.0002				
2/9/2022		<0.0002	<0.0002	<0.0002	<0.0002
8/31/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/8/2023	<0.0002	<0.0002			
2/9/2023			<0.0002		
2/10/2023				<0.0002	<0.0002
8/15/2023	0.00014 (J)	<0.0002	<0.0002	<0.0002	<0.0002
2/20/2024	<0.0002				
2/21/2024		<0.0002	<0.0002	<0.0002	<0.0002
8/20/2024	<0.0002				
8/21/2024		<0.0002	<0.0002	<0.0002	
8/22/2024					<0.0002
2/25/2025	<0.0002				
2/26/2025		<0.0002	<0.0002	<0.0002	<0.0002
8/12/2025	<0.0002	<0.0002			<0.0002
8/13/2025			<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/1/2016		0.014 (J)	0.012 (J)			0.0055 (J)
6/2/2016					0.0093 (J)	
7/25/2016			0.0098 (J)			0.0037 (J)
7/26/2016		0.0132			0.0113	
8/31/2016	<0.01					
9/13/2016		0.0127	0.01 (J)			
9/14/2016				0.0039 (J)		0.0034 (J)
9/15/2016					0.0112	
11/1/2016		0.0092 (J)			0.0099 (J)	0.0025 (J)
11/4/2016			0.01	0.0077 (J)		
11/28/2016	<0.01					
12/15/2016				0.0066 (J)		
1/11/2017		0.0093 (J)			0.0093 (J)	0.0033 (J)
1/16/2017			0.0086 (J)	0.0056 (J)		
2/22/2017	<0.01					
3/1/2017						0.0044 (J)
3/2/2017		0.0099 (J)	0.01		0.0103	
3/3/2017				0.0049 (J)		
4/26/2017					0.01	0.0075 (J)
4/27/2017		0.0103	0.0101			
4/28/2017				0.004 (J)		
5/8/2017	<0.01					
5/26/2017				0.0029 (J)		
6/27/2017		0.0097 (J)	0.0093 (J)			
6/28/2017				0.0036 (J)	0.0102	0.008 (J)
7/17/2017	<0.01					
10/16/2017	<0.01					
2/19/2018	<0.01					
3/27/2018			0.0074 (J)			
3/28/2018				0.0038 (J)	0.011	0.0025 (J)
3/29/2018		0.0076 (J)				
6/5/2018		0.0092 (J)				
6/6/2018			0.0073 (J)			
6/7/2018				0.004 (J)	0.011	
6/8/2018						0.0041 (J)
8/6/2018	<0.01					
10/1/2018		0.0085 (J)	0.0076 (J)	0.0042 (J)	0.012	0.0037 (J)
2/27/2019		0.0087 (J)	0.0078 (J)	0.0041 (J)	0.011	0.0027 (J)
3/28/2019		0.0092 (J)	0.0082 (J)			
3/29/2019				0.0041 (J)		
4/1/2019					0.012	0.0021 (J)
8/19/2019	<0.01					
9/24/2019		0.0072 (J)	0.0074 (J)	0.0054 (J)		
9/25/2019					0.012	0.0087 (J)
2/10/2020		0.0087 (J)	0.0062 (J)			
2/11/2020				0.0057 (J)		0.003 (J)
2/12/2020					0.013	
3/18/2020			0.0056 (J)			
3/19/2020		0.0088 (J)		0.0046 (J)	0.013	0.0043 (J)
8/26/2020	<0.01					
9/23/2020		0.008 (J)	0.0059 (J)	0.0071 (J)	0.012	0.01
2/10/2021				0.0041 (J)	0.014	0.0038 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
2/12/2021		0.008 (J)	0.0056 (J)			
3/3/2021		0.0088 (J)	0.0049 (J)	0.0074 (J)	0.013	0.0036 (J)
8/19/2021		0.0083 (J)	0.005 (J)		0.013	
8/20/2021	<0.01					
8/27/2021				0.0048 (J)		0.0099 (J)
2/8/2022	<0.01					
2/9/2022		0.0093 (J)	0.0055 (J)	0.0057 (J)	0.013	0.0087 (J)
8/30/2022	<0.01	0.0094 (J)		0.0068 (J)		
8/31/2022			0.0055 (J)		0.011	0.0068 (J)
2/7/2023	<0.01	<0.01	<0.01	0.0061 (J)		
2/8/2023					0.012	0.0065 (J)
8/15/2023	<0.01	0.0098 (J)	0.0047 (J)	0.0071 (J)	0.012	
8/16/2023						0.012
2/20/2024	<0.01	0.0098 (J)	0.03	0.0076 (J)	0.013	0.0089 (J)
8/20/2024		0.01	0.0039 (J)	0.011	0.012	0.0058 (J)
2/25/2025		0.01	0.0032 (J)	0.0069 (J)	0.017	0.0086 (J)
8/12/2025		0.0087 (J)	0.0033 (J)	0.008 (J)	0.011	0.012

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.01	0.0035 (J)	<0.01	<0.01		
6/6/2016						<0.01
6/7/2016					<0.01	
7/26/2016	<0.01	0.0042 (J)	<0.01	<0.01		
7/27/2016					<0.01	<0.01
9/14/2016	<0.01	0.0041 (J)	<0.01			
9/15/2016				<0.01		
9/16/2016					<0.01	
9/19/2016						<0.01
11/2/2016	<0.01	0.0039 (J)		<0.01		
11/3/2016					<0.01	<0.01
11/4/2016			<0.01			
1/10/2017				<0.01		
1/11/2017					<0.01	<0.01
1/12/2017		0.0041 (J)	<0.01			
1/13/2017	<0.01					
3/1/2017						<0.01
3/2/2017					<0.01	
3/6/2017	<0.01					
3/7/2017		0.0047 (J)	<0.01			
3/8/2017				<0.01		
4/26/2017				<0.01		<0.01
5/1/2017	<0.01	0.0045 (J)				
5/2/2017			<0.01		<0.01	
6/27/2017		0.004 (J)	<0.01			
6/28/2017						<0.01
6/29/2017	<0.01				<0.01	
6/30/2017				<0.01		
3/27/2018				<0.01		
3/28/2018					<0.01	<0.01
3/29/2018	<0.01	<0.01	<0.01			
6/8/2018				<0.01		
10/1/2018				<0.01		
2/26/2019				<0.01		
3/4/2019	<0.01	<0.01	<0.01			
3/5/2019					<0.01	
3/6/2019						<0.01
3/29/2019				<0.01		
9/25/2019				<0.01		
2/11/2020					<0.01	<0.01
2/12/2020	<0.01	0.0011 (J)	<0.01	<0.01		
3/18/2020				<0.01		
3/24/2020		0.0011 (J)	<0.01		<0.01	<0.01
3/25/2020	<0.01					
9/22/2020	<0.01	0.00099 (J)	<0.01			
9/23/2020					<0.01	<0.01
9/25/2020				<0.01		
2/8/2021		0.0011 (J)	<0.01			
2/9/2021	<0.01				<0.01	<0.01
2/10/2021				<0.01		
3/2/2021		<0.01	<0.01	<0.01		
3/3/2021	<0.01				<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
8/19/2021				<0.01		
8/26/2021	<0.01	0.001 (J)	<0.01			
8/27/2021					<0.01	<0.01
2/9/2022					<0.01	<0.01
2/10/2022		0.00096 (J)	<0.01	<0.01		
2/11/2022	<0.01					
8/30/2022		0.00089 (J)	<0.01		<0.01	<0.01
8/31/2022	<0.01			<0.01		
2/7/2023		0.00095 (J)			<0.01	<0.01
2/8/2023				<0.01		
2/9/2023	<0.01		<0.01			
8/15/2023	<0.01	0.0009 (J)	<0.01	<0.01	<0.01	<0.01
2/20/2024	<0.01	0.001 (J)	<0.01		<0.01	<0.01
2/23/2024				<0.01		
8/20/2024	<0.01	0.00074 (J)	<0.01	<0.01	<0.01	<0.01
2/25/2025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
8/12/2025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.01		
6/6/2016	<0.01					
6/7/2016		<0.01	<0.01			
7/25/2016				<0.01		
7/27/2016	<0.01	<0.01				
7/28/2016			<0.01			
9/16/2016	<0.01					
9/19/2016		<0.01	<0.01	<0.01		
11/1/2016				<0.01		
11/2/2016		<0.01				
11/3/2016	<0.01		<0.01			
1/11/2017	<0.01					
1/13/2017		<0.01	<0.01			
1/16/2017				<0.01		
2/21/2017				<0.01		
3/1/2017	<0.01					
3/6/2017		<0.01	0.0007 (J)			
4/26/2017	<0.01	<0.01	0.0008 (J)	<0.01		
6/28/2017	<0.01					
6/29/2017		<0.01	<0.01			
6/30/2017				<0.01		
10/11/2017					0.0094 (J)	
10/12/2017						<0.01
11/20/2017					0.0081 (J)	<0.01
1/10/2018						<0.01
1/11/2018					0.0074 (J)	
2/19/2018						<0.01
2/20/2018					<0.01	
3/27/2018				<0.01		
3/28/2018	<0.01					
3/29/2018		<0.01	<0.01			
4/3/2018					0.006 (J)	<0.01
6/11/2018				<0.01		
6/28/2018					0.005 (J)	<0.01
8/7/2018					0.0045 (J)	<0.01
9/24/2018					0.0035 (J)	<0.01
10/2/2018				<0.01		
2/26/2019				<0.01		
3/5/2019	<0.01	<0.01	<0.01			
4/1/2019				<0.01		
8/21/2019					0.0021 (J)	<0.01
9/25/2019				<0.01		
10/9/2019					0.0018 (J)	<0.01
2/11/2020	<0.01					
2/12/2020		<0.01	<0.01	<0.01	0.0025 (J)	<0.01
3/19/2020				<0.01		
3/24/2020	<0.01	<0.01	<0.01			<0.01
3/25/2020					0.002 (J)	
9/23/2020	<0.01					
9/24/2020		<0.01	<0.01	<0.01	0.0016 (J)	<0.01
2/9/2021	<0.01	<0.01	<0.01			
2/10/2021					0.0013 (J)	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
2/11/2021				<0.01		
3/1/2021				<0.01		
3/3/2021	<0.01	<0.01				
3/4/2021			<0.01		0.0014 (J)	<0.01
8/19/2021				<0.01		
8/26/2021	<0.01				0.0027 (J)	
8/27/2021		<0.01				
9/1/2021			<0.01			
9/3/2021						<0.01
2/8/2022					0.0035 (J)	<0.01
2/9/2022	<0.01	<0.01	<0.01			
2/11/2022				<0.01		
8/30/2022	<0.01		<0.01			
8/31/2022		<0.01		<0.01	0.0036 (J)	<0.01
2/7/2023	<0.01	<0.01	<0.01		0.0045 (J)	
2/8/2023				<0.01		<0.01
8/15/2023	<0.01	<0.01	<0.01		0.0061 (J)	<0.01
8/16/2023				<0.01		
2/20/2024		<0.01	<0.01	<0.01	0.0058 (J)	<0.01
2/23/2024	<0.01					
8/20/2024		<0.01	<0.01	<0.01		
8/21/2024	<0.01				0.0068 (J)	<0.01
2/25/2025	<0.01	<0.01	<0.01	<0.01	0.0056 (J)	<0.01
8/12/2025	<0.01	<0.01	<0.01	<0.01	0.007 (J)	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	<0.01				
8/31/2016		<0.01	0.0024 (J)		
9/1/2016				<0.01	
11/14/2016	<0.01		<0.01		
11/15/2016		<0.01			
11/16/2016				<0.01	
2/24/2017	<0.01				
2/27/2017			0.0018 (J)	<0.01	
2/28/2017		0.0005 (J)			
5/8/2017	<0.01	<0.01		0.0008 (J)	
5/9/2017			0.0015 (J)		
7/11/2017	<0.01				
7/13/2017		<0.01	0.0015 (J)	0.0015 (J)	
10/10/2017	<0.01	<0.01	0.0015 (J)		
10/11/2017				0.002 (J)	
4/2/2018	<0.01				
4/3/2018			<0.01		
4/4/2018		<0.01		0.0021 (J)	
9/19/2018	<0.01	<0.01	<0.01	0.0039 (J)	
8/20/2019	<0.01	<0.01	0.0011 (J)		
8/21/2019				0.0012 (J)	
10/8/2019	<0.01	<0.01			
10/9/2019			0.0012 (J)	0.0013 (J)	
3/17/2020	<0.01	<0.01	0.0016 (J)	0.0015 (J)	
7/6/2020				0.0026 (J)	
8/27/2020	<0.01	<0.01			<0.01
8/28/2020			0.0013 (J)	0.003 (J)	
9/22/2020	<0.01	<0.01			<0.01
9/23/2020			0.0011 (J)	0.0025 (J)	
10/7/2020				0.0024 (J)	<0.01
11/12/2020				0.0019 (J)	<0.01
3/1/2021	<0.01	<0.01	0.0012 (J)		<0.01
3/2/2021				0.0023 (J)	
8/19/2021	<0.01	<0.01	0.0012 (J)		
8/20/2021					<0.01
8/27/2021				0.0022 (J)	
2/8/2022	<0.01				
2/9/2022		<0.01	0.0012 (J)	0.0021 (J)	<0.01
8/31/2022	<0.01	<0.01	0.0011 (J)	0.0017 (J)	<0.01
2/8/2023	<0.01	<0.01			
2/9/2023			0.00097 (J)		
2/10/2023				0.0029 (J)	0.00083 (J)
8/15/2023	<0.01	<0.01	0.0011 (J)	0.0031 (J)	<0.01
2/20/2024	<0.01				
2/21/2024		<0.01	0.00098 (J)	0.0032 (J)	<0.01
8/20/2024	<0.01				
8/21/2024		<0.01	0.001 (J)	0.0038 (J)	
8/22/2024					<0.01
2/25/2025	<0.01				
2/26/2025		<0.01	<0.01	<0.01	<0.01
8/12/2025	<0.01	<0.01			<0.01
8/13/2025			<0.01	0.0027 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
8/27/2008	6.53					
3/3/2009	6.35					
11/18/2009	6.47					
3/3/2010	6.53					
3/10/2011	5.83					
9/8/2011	5.69					
3/5/2012	6.27					
9/10/2012	6.23					
2/6/2013	7.56					
8/12/2013	6.68					
2/5/2014	6.32					
8/3/2015	6.13					
2/16/2016	5.64					
6/1/2016		7.46	6.33			7.72
6/2/2016					7.84	
7/25/2016			6.21			7.74
7/26/2016		7.43			7.88	
8/31/2016	6.32					
9/13/2016		7.44	6.16	7.41		
9/14/2016						7.65
9/15/2016					7.74	
11/1/2016		7.24			7.75	7.7
11/4/2016			6.29	7.12		
11/28/2016	6.23					
12/15/2016				7.24		
1/11/2017		7.3			7.66	7.53
1/16/2017			6.29	7.24		
2/22/2017	6.21					
3/1/2017						7.42
3/2/2017		7.23	6.28		7.68	
3/3/2017				7.22		
4/26/2017					7.45	7.4
4/27/2017		6.99	6.09			
4/28/2017				7.21		
5/8/2017	6.12					
5/26/2017				7.13		
6/27/2017		6.87	6.21			
6/28/2017				7.06	7.65	7.5
7/17/2017	6.03					
10/3/2017		6.81	5.98	6.99		
10/4/2017					7.49	7.45
10/16/2017	6.12					
2/19/2018	6.13					
3/27/2018			6.25			
3/28/2018				7.3	7.91	7.74
3/29/2018		7.38				
6/5/2018		7.16				
6/6/2018			6.17			
6/7/2018				7.29	7.69	
6/8/2018						7.64
8/6/2018	6.01					
10/1/2018		6.8	5.9	7.07	7.39	7.47

Time Series

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
2/25/2019	6.51					
2/27/2019		6.84	5.8	7.27	7.55	7.54
3/28/2019		6.99	6.15			
3/29/2019				7.06		
4/1/2019					7.87	7.74
6/12/2019	6.3					
8/19/2019	6.23					
9/24/2019		7.07	6.23	7.01		
9/25/2019					7.64	7.47
10/8/2019	6.28					
2/10/2020		7.2	6.1			
2/11/2020				7.38		7.09
2/12/2020					7.83	
3/17/2020	6.14					
3/18/2020			6.19			
3/19/2020		7.03		7.22	7.65	7.31
5/6/2020	6.24					
8/26/2020	5.67					
9/22/2020	5.78					
9/23/2020		7.15	6.01	7.22	7.57	7.37
2/10/2021				7.29	7.81	7.58
2/12/2021		7.14	6.21			
3/2/2021	5.42					
3/3/2021		7.2	5.38	7.92	8.39	8.13
8/19/2021		6.32	6.38		5.34	
8/20/2021	5.86					
8/27/2021				7.16		7.39
2/8/2022	5.83					
2/9/2022		7.12	6.24	5.86	7.97	7.66
8/30/2022	5.39	7.2		7.04		
8/31/2022			5.64		7.65	7.49
2/7/2023	5.94	7.86	6.53	6.94		
2/8/2023					7.88	7.73
8/15/2023	5.3	6.98	5.88	6.96	7.69	
8/16/2023						7.39
2/20/2024	6.07	7.06	6.42	7.23	7.81	7.59
8/20/2024		7.18	5.77	6.91	7.59	7.45
2/25/2025		7.18	6.02	7.14	7.79	7.55
8/12/2025		7.02	6.17	6.93	7.64	7.46

Time Series

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	6.36	7.67	5.75	5.46		
6/6/2016						6.17
6/7/2016					5.62	
7/26/2016	6.22	7.66	5.72	5.45		
7/27/2016					5.59	6.14
9/14/2016	6.23	7.6	5.74			
9/15/2016				5.45		
9/16/2016					5.58	
9/19/2016						6.04
11/2/2016	6.08	7.35		5.41		
11/3/2016					5.59	5.97
11/4/2016			5.61			
1/10/2017				5.37		
1/11/2017					5.59	6.05
1/12/2017		7.49	5.71			
1/13/2017	6.19					
3/1/2017						5.94
3/2/2017					5.54	
3/6/2017	6.2					
3/7/2017		7.43	5.66			
3/8/2017				5.41		
4/26/2017				5.02		5.99
5/1/2017	6.21	7.22				
5/2/2017			5.65		5.47	
6/27/2017		7.32	5.7			
6/28/2017						6
6/29/2017	6.21				5.56	
6/30/2017				5.39		
10/3/2017		7.48	5.79			
10/4/2017					5.57	
10/5/2017	6.16			5.49		6.11
3/27/2018				5.47		
3/28/2018					5.59	6.1
3/29/2018	6.09	7.02	5.63			
6/6/2018		7.43				
6/7/2018	6.12		5.63			5.98
6/8/2018				5.45		
6/11/2018					5.58	
9/25/2018					5.59	5.81
9/26/2018	5.84	7.13	5.63			
10/1/2018				5.39		
2/26/2019				5.46		
3/4/2019	6.18	7.46	5.75			
3/5/2019					5.48	
3/6/2019						5.99
3/29/2019				5.34		
4/2/2019					5.74	
4/3/2019	6.43	7.11	5.63			6.29
9/24/2019		6.93	5.6			
9/25/2019	6.2			5.19	5.49	
9/26/2019						6.04
2/11/2020					5.58	6.07

Time Series

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
2/12/2020	6.15	7.52	5.83	5.48		
3/18/2020				5.38		
3/24/2020		7.34	5.81		5.57	5.98
3/25/2020	6.26					
9/22/2020	5.8	7.19	5.99			
9/23/2020					5.58	6.01
9/25/2020				5.44		
2/8/2021		7.66	5.67			
2/9/2021	6.06				5.62	6.12
2/10/2021				5.35		
3/2/2021		7.15	5.63	5.49		
3/3/2021	6.21				5.52	5.89
8/19/2021				7.32		
8/26/2021	5.82	7.16	5.51			
8/27/2021					5.27	5.4
2/9/2022					5.53	5.98
2/10/2022		6.99	5.14	4.5		
2/11/2022	5.95					
8/30/2022		7.4	5		4.68	5.89
8/31/2022	5.5			5.15		
2/7/2023		6.64			5.47	6
2/8/2023				5.39		
2/9/2023	6.23		5.9			
8/15/2023	5.99	7.34	5.58	5.03	5.54	5.82
2/20/2024	6.21	7.56	5.78		5.64	6.11
2/23/2024				5.39		
8/20/2024	6.03	7.3	5.58	5.49	5.45	5.74
2/25/2025	5.98	7.4	5.77	5.16	5.59	6
8/12/2025	6.02	7.4	5.39	5.34	5.36	6.01

Time Series

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				5.75		
6/6/2016	5.71					
6/7/2016		5.77	6.1			
7/25/2016				5.82		
7/27/2016	5.46	5.79				
7/28/2016			6.12			
9/19/2016	5.59	5.73	6.12	5.78		
11/1/2016				5.62		
11/2/2016		5.67				
11/3/2016	5.39		6.07			
1/11/2017	5.48					
1/13/2017		5.79	6.41			
1/16/2017				5.72		
2/21/2017				5.67		
3/1/2017	5.41					
3/6/2017		5.63	6.34			
4/26/2017	5.4	5.66	6.32	5.56		
6/28/2017	5.36					
6/29/2017		5.85	6.47			
6/30/2017				5.72		
10/3/2017			6.56			
10/4/2017	5.32	5.83		5.87		
10/11/2017					6.4	
10/12/2017						5.43
11/20/2017					6.33	5.1
1/10/2018						4.97
1/11/2018					6.29	
2/19/2018						5.6
2/20/2018					7.22	
3/27/2018				5.83		
3/28/2018	5.34					
3/29/2018		5.93	6.75			
4/3/2018					6.87	5.84
6/5/2018			6.09			
6/6/2018		5.86				
6/11/2018	5.28			5.69		
6/28/2018					6.18	5.24
8/7/2018					6.08	5.18
9/24/2018					5.81	5.14
9/25/2018	4.86	5.84	6.67			
10/2/2018				5.39		
2/26/2019				5.77		
3/5/2019	5.26	6.07	7.22			
3/26/2019						5.3
3/27/2019					5.84	
4/1/2019				5.62		
4/2/2019			6.94			
4/3/2019	5.47	5.71				
8/21/2019					5.96	5.26
9/24/2019			6.87			
9/25/2019		5.86		5.69		
9/26/2019	5.2					

Time Series

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
10/9/2019					5.81	5.22
2/11/2020	5.3					
2/12/2020		6	7.13	5.8	5.97	5.3
3/19/2020				6		
3/24/2020	5.33	5.86	6.35			5.29
3/25/2020					5.78	
9/23/2020	5.29					
9/24/2020		5.8	6.7	5.67	5.7	5.43
2/9/2021	5.43	5.86	6.95			
2/10/2021					5.8	5.19
2/11/2021				5.73		
3/1/2021				5.78		
3/3/2021	5.31	5.89				
3/4/2021			6.8		5.54	5.23
8/19/2021				5.43		
8/26/2021	4.4				6.91	
8/27/2021		5.57				
9/1/2021			6.65			
9/3/2021						5.01
2/8/2022					5.78	5.26
2/9/2022	5.28	5.91	6.84			
2/11/2022				5.59		
8/30/2022	5.18		6.58			
8/31/2022		5.38		5.87	5.3	4.53
2/7/2023	5.03	5.63	6.82		5.49	
2/8/2023				6.43		5.71
8/15/2023	5.2	7	6.84		5.78	5
8/16/2023				5.55		
2/20/2024		5.99	6.78	5.81	5.97	5.32
2/23/2024	5.3					
8/20/2024		6	6.6	6.07		
8/21/2024	5.29				6	5.38
2/25/2025	6.26	6.07	6.55	5.45	5.81	5.07
8/12/2025	5.21	5.57	6.71	5.68	5.79	4.97

Time Series

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	5.75				
8/31/2016		6.01	7.15		
9/1/2016				6.19	
11/14/2016	5.59		6.96		
11/15/2016		5.91			
11/16/2016				6.05	
2/24/2017	5.49				
2/27/2017			6.79	6.01	
2/28/2017		5.85			
5/8/2017	5.58	5.91		6.1	
5/9/2017			6.9		
7/11/2017	5.58				
7/13/2017		5.8	6.77	6.07	
10/10/2017	5.49	5.76	6.9		
10/11/2017				5.93	
4/2/2018	6.3				
4/3/2018			6.44		
4/4/2018		5.77		6.01	
9/19/2018	5.48	5.77	6.47	6.09	
3/27/2019	5.83	6.1	7.18	6.2	
8/20/2019	5.58	5.78	6.48		
8/21/2019				5.82	
10/8/2019	5.59	5.84			
10/9/2019			6.55	5.96	
3/17/2020	5.57	5.9	6.69	5.99 (D)	
7/6/2020				6.89	
8/27/2020	4.88	5.75			5.8
8/28/2020			6.84	7.05	
9/22/2020	5.46	5.53			5.91
9/23/2020			6.57	6.81	
10/7/2020				7.06	5.87
11/12/2020				7.02	5.93
3/1/2021	5.48	5.76	6.5		5.84
3/2/2021				6.72	
8/19/2021	5.5	5.73	6.13		
8/20/2021			6.13		6.71
8/27/2021				6.83	
2/8/2022	5.4				
2/9/2022		5.73	6.15	6.98	5.99
8/31/2022	5.32	5.77	6.56	6.87	5.58
2/8/2023	5.22	5.6			
2/9/2023			6.47		
2/10/2023				7.32	6
8/15/2023	5.69	5.79	6.97	7.51	6.05
2/20/2024	5.62				
2/21/2024		5.82	6.35	7.51	5.74
8/20/2024	5.48				
8/21/2024		5.8	6.54	7.41	
8/22/2024					6.01
2/25/2025	5.52				
2/26/2025		5.78	6.63	6.85	5.97
8/12/2025	5.66	5.94			

Time Series

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/13/2025			6.77	7.05	6.06

Time Series

Constituent: Selenium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	<0.005					
9/12/2007	<0.005					
3/20/2008	<0.005					
8/27/2008	<0.005					
3/3/2009	<0.005					
11/18/2009	<0.005					
3/3/2010	<0.005					
9/8/2010	<0.005					
3/10/2011	<0.005					
9/8/2011	<0.005					
3/5/2012	<0.005					
9/10/2012	<0.005					
2/6/2013	<0.005					
8/12/2013	<0.005					
2/5/2014	<0.005					
8/5/2014	<0.005					
2/4/2015	<0.005					
8/3/2015	<0.005					
2/16/2016	<0.005					
6/1/2016		<0.005	<0.005			<0.005
6/2/2016					<0.005	
7/21/2016	<0.005					
7/25/2016			<0.005			<0.005
7/26/2016		<0.005			<0.005	
8/31/2016	<0.005					
9/13/2016		<0.005	<0.005			
9/14/2016				<0.005		<0.005
9/15/2016					<0.005	
11/1/2016		<0.005			<0.005	<0.005
11/4/2016			<0.005	<0.005		
11/28/2016	<0.005					
12/15/2016				<0.005		
1/11/2017		<0.005			<0.005	<0.005
1/16/2017			<0.005	<0.005		
2/22/2017	<0.005					
3/1/2017						<0.005
3/2/2017		<0.005	<0.005		<0.005	
3/3/2017				<0.005		
4/26/2017					<0.005	<0.005
4/27/2017		<0.005	<0.005			
4/28/2017				<0.005		
5/8/2017	<0.005					
5/26/2017				<0.005		
6/27/2017		<0.005	<0.005			
6/28/2017				<0.005	<0.005	<0.005
7/17/2017	<0.005					
10/16/2017	<0.005					
2/19/2018	<0.005					
3/27/2018			<0.005			
3/28/2018				<0.005	<0.005	<0.005
3/29/2018		<0.005				
8/6/2018	<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
2/25/2019	<0.005					
2/27/2019		<0.005	<0.005	<0.005	<0.005	<0.005
3/28/2019		<0.005	<0.005			
3/29/2019				<0.005		
4/1/2019					<0.005	<0.005
6/12/2019	<0.005					
8/19/2019	<0.005					
9/24/2019		<0.005	<0.005	<0.005		
9/25/2019					<0.005	<0.005
10/8/2019	<0.005					
2/10/2020		<0.005	<0.005			
2/11/2020				<0.005		<0.005
2/12/2020					<0.005	
3/17/2020	<0.005					
3/18/2020			<0.005			
3/19/2020		<0.005		<0.005	<0.005	<0.005
8/26/2020	<0.005					
9/22/2020	<0.005					
9/23/2020		<0.005	<0.005	<0.005	<0.005	<0.005
2/10/2021				<0.005	<0.005	<0.005
2/12/2021		<0.005	<0.005			
3/2/2021	<0.005					
3/3/2021		<0.005	<0.005	<0.005	<0.005	<0.005
8/19/2021		<0.005	<0.005		<0.005	
8/20/2021	<0.005					
8/27/2021				<0.005		<0.005
2/8/2022	<0.005					
2/9/2022		<0.005	<0.005	<0.005	<0.005	<0.005
8/30/2022	<0.005	<0.005		<0.005		
8/31/2022			<0.005		<0.005	<0.005
2/7/2023	<0.005	<0.005	<0.005	<0.005		
2/8/2023					<0.005	<0.005
8/15/2023	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2023						<0.005
2/20/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/20/2024		<0.005	<0.005	<0.005	<0.005	<0.005
2/25/2025		<0.005	<0.005	<0.005	<0.005	<0.005
8/12/2025		<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.005	<0.005	<0.005	0.0011 (J)		
6/6/2016						<0.005
6/7/2016					0.001 (J)	
7/26/2016	0.0009 (J)	<0.005	0.0009 (J)	0.0016 (J)		
7/27/2016					0.0012 (J)	<0.005
9/14/2016	<0.005	<0.005	<0.005			
9/15/2016				0.0014 (J)		
9/16/2016					0.0015 (J)	
9/19/2016						<0.005
11/2/2016	<0.005	<0.005		<0.005		
11/3/2016					0.0015 (J)	<0.005
11/4/2016			<0.005			
1/10/2017				0.0012 (J)		
1/11/2017					0.0014 (J)	<0.005
1/12/2017		<0.005	<0.005			
1/13/2017	<0.005					
3/1/2017						<0.005
3/2/2017					0.0017 (J)	
3/6/2017	<0.005					
3/7/2017		<0.005	<0.005			
3/8/2017				<0.005		
4/26/2017				<0.005		<0.005
5/1/2017	<0.005	<0.005				
5/2/2017			<0.005		<0.005	
6/27/2017		<0.005	<0.005			
6/28/2017						<0.005
6/29/2017	<0.005				<0.005	
6/30/2017				<0.005		
3/27/2018				<0.005		
3/28/2018					<0.005	<0.005
3/29/2018	<0.005	<0.005	<0.005			
6/6/2018		<0.005				
6/7/2018	<0.005		<0.005			<0.005
6/11/2018					<0.005	
9/25/2018					<0.005	<0.005
9/26/2018	<0.005	<0.005	<0.005			
2/26/2019				<0.005		
3/4/2019	<0.005	<0.005	<0.005			
3/5/2019					<0.005	
3/6/2019						<0.005
3/29/2019				0.0019 (J)		
4/2/2019					<0.005	
4/3/2019	<0.005	<0.005	<0.005			<0.005
9/24/2019		<0.005	<0.005			
9/25/2019	<0.005			<0.005	<0.005	
9/26/2019						<0.005
2/11/2020					<0.005	<0.005
2/12/2020	<0.005	<0.005	<0.005	<0.005		
3/18/2020				<0.005		
3/24/2020		<0.005	<0.005		<0.005	<0.005
3/25/2020	<0.005					
9/22/2020	<0.005	<0.005	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
9/23/2020					<0.005	<0.005
9/25/2020				<0.005		
2/8/2021		<0.005	<0.005			
2/9/2021	<0.005				<0.005	<0.005
2/10/2021				<0.005		
3/2/2021		<0.005	<0.005	<0.005		
3/3/2021	0.0019 (J)				<0.005	<0.005
8/19/2021				<0.005		
8/26/2021	<0.005	<0.005	<0.005			
8/27/2021					<0.005	<0.005
2/9/2022					<0.005	<0.005
2/10/2022		<0.005	<0.005	0.0014 (J)		
2/11/2022	<0.005					
8/30/2022		<0.005	<0.005		<0.005	<0.005
8/31/2022	<0.005			<0.005		
2/7/2023		<0.005			<0.005	<0.005
2/8/2023				<0.005		
2/9/2023	<0.005		<0.005			
8/15/2023	<0.005	<0.005	<0.005	0.0014 (J)	<0.005	<0.005
2/20/2024	<0.005	<0.005	<0.005		<0.005	<0.005
2/23/2024				0.001 (J)		
8/20/2024	<0.005	<0.005	<0.005	0.0012 (J)	<0.005	<0.005
2/25/2025	<0.005	<0.005	<0.005	0.0014 (J)	<0.005	<0.005
8/12/2025	<0.005	<0.005	<0.005	0.0014 (J)	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.005		
6/6/2016	<0.005					
6/7/2016		<0.005	0.00048 (J)			
7/25/2016				<0.005		
7/27/2016	<0.005	<0.005				
7/28/2016			<0.005			
9/16/2016	<0.005					
9/19/2016		<0.005	0.0014 (J)	<0.005		
11/1/2016				<0.005		
11/2/2016		<0.005				
11/3/2016	<0.005		<0.005			
1/11/2017	<0.005					
1/13/2017		<0.005	<0.005			
1/16/2017				<0.005		
2/21/2017				<0.005		
3/1/2017	<0.005					
3/6/2017		<0.005	<0.005			
4/26/2017	<0.005	<0.005	<0.005	<0.005		
6/28/2017	<0.005					
6/29/2017		<0.005	<0.005			
6/30/2017				<0.005		
10/11/2017					<0.005	
10/12/2017						<0.005
11/20/2017					<0.005	0.0042 (J)
1/10/2018						0.0043 (J)
1/11/2018					<0.005	
2/19/2018						<0.005
2/20/2018					<0.005	
3/27/2018				<0.005		
3/28/2018	<0.005					
3/29/2018		<0.005	<0.005			
4/3/2018					<0.005	<0.005
6/5/2018			<0.005			
6/6/2018		<0.005				
6/11/2018	<0.005					
6/28/2018					<0.005	0.0032 (J)
8/7/2018					<0.005	0.0031 (J)
9/24/2018					0.0015 (J)	0.0026 (J)
9/25/2018	<0.005	<0.005	<0.005			
2/26/2019				<0.005		
3/5/2019	<0.005	<0.005	<0.005			
4/1/2019				<0.005		
4/2/2019			<0.005			
4/3/2019	<0.005	<0.005				
8/21/2019					<0.005	0.0024 (J)
9/24/2019			<0.005			
9/25/2019		<0.005		<0.005		
9/26/2019	<0.005					
10/9/2019					<0.005	0.0026 (J)
2/11/2020	<0.005					
2/12/2020		<0.005	<0.005	<0.005	<0.005	0.002 (J)
3/19/2020				<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
3/24/2020	<0.005	<0.005	<0.005			0.002 (J)
3/25/2020					<0.005	
9/23/2020	<0.005					
9/24/2020		<0.005	<0.005	<0.005	<0.005	0.0016 (J)
2/9/2021	<0.005	<0.005	<0.005			
2/10/2021					<0.005	<0.005
2/11/2021				<0.005		
3/1/2021				<0.005		
3/3/2021	<0.005	<0.005				
3/4/2021			<0.005		<0.005	<0.005
8/19/2021				<0.005		
8/26/2021	<0.005				<0.005	
8/27/2021		<0.005				
9/1/2021			<0.005			
9/3/2021						<0.005
2/8/2022					<0.005	0.0014 (J)
2/9/2022	<0.005	<0.005	<0.005			
2/11/2022				<0.005		
8/30/2022	<0.005		<0.005			
8/31/2022		<0.005		<0.005	<0.005	<0.005
2/7/2023	<0.005	<0.005	<0.005		<0.005	
2/8/2023				<0.005		<0.005
8/15/2023	<0.005	<0.005	<0.005		<0.005	<0.005
8/16/2023				<0.005		
2/20/2024		<0.005	<0.005	<0.005	<0.005	<0.005
2/23/2024	<0.005					
8/20/2024		<0.005	<0.005	<0.005		
8/21/2024	<0.005				<0.005	<0.005
2/25/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/12/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	0.0017 (J)				
8/31/2016		<0.005	<0.005		
9/1/2016				<0.005	
11/14/2016	<0.005		<0.005		
11/15/2016		<0.005			
11/16/2016				<0.005	
2/24/2017	0.0011 (J)				
2/27/2017			<0.005	<0.005	
2/28/2017		<0.005			
5/8/2017	<0.005	<0.005		<0.005	
5/9/2017			<0.005		
7/11/2017	<0.005				
7/13/2017		<0.005	<0.005	<0.005	
10/10/2017	<0.005	<0.005	<0.005		
10/11/2017				<0.005	
4/2/2018	<0.005				
4/3/2018			<0.005		
4/4/2018		<0.005		<0.005	
9/19/2018	<0.005	<0.005	<0.005	<0.005	
8/20/2019	<0.005	<0.005	<0.005		
8/21/2019				<0.005	
7/6/2020				<0.005	
8/27/2020	<0.005	<0.005			<0.005
8/28/2020			<0.005	<0.005	
11/12/2020				<0.005	<0.005
8/19/2021	<0.005	<0.005	<0.005		
8/20/2021					<0.005
8/27/2021				<0.005	
2/8/2022	<0.005				
2/9/2022		<0.005	<0.005	<0.005	<0.005
8/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005
2/8/2023	<0.005	<0.005			
2/9/2023			<0.005		
2/10/2023				<0.005	<0.005
8/15/2023	<0.005	<0.005	<0.005	<0.005	<0.005
2/20/2024	<0.005				
2/21/2024		<0.005	<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
2/25/2025	<0.005				
2/26/2025		<0.005	<0.005	<0.005	<0.005
8/12/2025	<0.005	<0.005			<0.005
8/13/2025			<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/1/2016		5	4.2			12
6/2/2016					5.8	
7/25/2016			3.7			8.4
7/26/2016		5.4			6.7	
8/31/2016	29					
9/13/2016		2.9	5.2			
9/14/2016				9.4		8.6
9/15/2016					6	
11/1/2016		3.9			4.9	8.9
11/4/2016			5	13		
11/28/2016	36					
12/15/2016				1.8		
1/11/2017		3.7			4.5	8.6
1/16/2017			7.9	11		
2/22/2017	43					
3/1/2017						9.3
3/2/2017		4.6	7.4		4.4	
3/3/2017				8.8		
4/26/2017					5.1	11
4/27/2017		5.2	7.4			
4/28/2017				10		
5/8/2017	60					
5/26/2017				12		
6/27/2017		5.9	6.4			
6/28/2017				11	5.4	12
7/17/2017	63					
10/3/2017		6.6	5.9	7.9		
10/4/2017					6.2	12
10/16/2017	62					
2/19/2018	64.6					
6/5/2018		6.4				
6/6/2018			4.4			
6/7/2018				8.8	6.7	
6/8/2018						9.6
8/6/2018	42.1					
10/1/2018		5.6	4	9.1	7.1	9.1
2/25/2019	42.1					
3/28/2019		8	4.3			
3/29/2019				9		
4/1/2019					7.2	8.5
6/12/2019	83.4					
9/24/2019		5.3	4.3	9.1		
9/25/2019					7	13.8
10/8/2019	128					
3/17/2020	98.6					
3/18/2020			5.3			
3/19/2020		10		12.4	9	12.9
9/22/2020	145					
9/23/2020		8.1	3.4	11.8	6.9	16.8
3/2/2021	156					
3/3/2021		9	4.4	10.6	7	9.6
8/19/2021		8.9	4.9		7.5	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
8/20/2021	121					
8/27/2021				16.7		18.2
2/8/2022	107					
2/9/2022		9.3	5.1	18	7.2	16
8/30/2022	101	10.2		20.1		
8/31/2022			4.8		6.9	13.9
2/7/2023	82.4	10.6	6.6	17.8		
2/8/2023					7.5	14.7
8/15/2023	74.2	9.6	4.6	17.2	6.8	
8/16/2023						20.3
2/20/2024	75	9.7	4.3	23.1	7	13.8
8/20/2024		12.2	4.9	21.3	7.7	13.7
2/25/2025		10.4	3.5	13.8	6.7	10.9
8/12/2025		9.3	4	15.5	7.5	19.4

Time Series

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	8	20	1.9	6.6		
6/6/2016						1.2
6/7/2016					4.4	
7/26/2016	7.7	20	1.8	6.1		
7/27/2016					4.7	1.7
9/14/2016	7.5	19	1.8			
9/15/2016				6.1		
9/16/2016					4.8	
9/19/2016						1.8
11/2/2016	8.2	20		6.3		
11/3/2016					5.3	0.69 (J)
11/4/2016			2			
1/10/2017				5.9		
1/11/2017					5.2	0.99 (J)
1/12/2017		19	1.9			
1/13/2017	8.1					
3/1/2017						1.8
3/2/2017					5	
3/6/2017	8					
3/7/2017		20	2.1			
3/8/2017				7		
4/26/2017				7		1.6
5/1/2017	8.4	20				
5/2/2017			2		5	
6/27/2017		18	2.1			
6/28/2017						1.7
6/29/2017	9.2				5.2	
6/30/2017				6.5		
10/3/2017		16	2.3			
10/4/2017					5.3	
10/5/2017	9.6			7.9		1.6
6/6/2018		8.3				
6/7/2018	8.5		2			0.68 (J)
6/8/2018				6.4		
6/11/2018					5.2	
9/25/2018					6.1	1
9/26/2018	10.2	7.9	2.3			
10/1/2018				6.8		
3/29/2019				7.3		
4/2/2019					5.1	
4/3/2019	8.5	7	2.1			0.82 (J)
9/24/2019		5.5	2.4			
9/25/2019	8.5			6.6	5.5	
9/26/2019						0.64 (J)
10/10/2019	9.2	<1	1.8		5.5	
3/18/2020				8.1		
3/24/2020		5.9	2.1		5.4	<1
3/25/2020	8.8					
9/22/2020	8.2	5.5	2.1			
9/23/2020					5.1	0.53 (J)
9/25/2020				6.1		
3/2/2021		2.6	2.3	6		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
3/3/2021	7.8				5.2	<1
8/19/2021				6.7		
8/26/2021	8.5	6	2.4			
8/27/2021					5.3	0.59 (J)
2/9/2022					4.8	0.51 (J)
2/10/2022		4.9	2.4	6.2		
2/11/2022	7.7					
8/30/2022		5.7	2.4		4.7	0.78 (J)
8/31/2022	8			5.8		
2/7/2023		5.2			4.9	0.78 (J)
2/8/2023				6.1		
2/9/2023	8.9		2.9			
8/15/2023	7.5	4.8	2.2	6	4.6	0.51 (J)
2/20/2024	8.5	5.1	2.5		4.6	<1
2/23/2024				7.1		
8/20/2024	8.7	4.3	2.6	7.6	4.6	0.74 (J)
2/25/2025	7.4	4.6	2.2	6.5	3.6	<1
8/12/2025	8.3	5	2.4	7	3.9	0.8 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				1.3		
6/6/2016	1.8					
6/7/2016		<1	5.2			
7/25/2016				1.2		
7/27/2016	1.9	0.08 (J)				
7/28/2016			5.1			
9/16/2016	1.7					
9/19/2016		0.08 (J)	4.8	1.2		
11/1/2016				1.3		
11/2/2016		0.1 (J)				
11/3/2016	1.9		5			
1/11/2017	1.7					
1/13/2017		0.1 (J)	4.3			
1/16/2017				1.4		
2/21/2017				1.4		
3/1/2017	1.6					
3/6/2017		<1	4.5			
4/26/2017	1.9	<1	4.9	1.4		
6/28/2017	1.5					
6/29/2017		0.15 (J)	5.5			
6/30/2017				1.5		
10/3/2017			5.8			
10/4/2017	1.7	0.14 (J)		1.4		
10/11/2017					20	
10/12/2017						17
11/20/2017					24	71
1/10/2018						66
1/11/2018					23	
2/19/2018						57.2
2/20/2018					20.6	
4/3/2018					24.5	49.4
6/5/2018			6.1			
6/6/2018		0.049 (J)				
6/11/2018	0.95 (J)			1.1		
6/28/2018					22	43.8
8/7/2018					20.7	40.5
9/24/2018					21.2	39.7
9/25/2018	1.5	0.13 (J)	7			
10/2/2018				1		
3/26/2019						34.3
3/27/2019					17.7	
4/1/2019				0.96 (J)		
4/2/2019			3.8			
4/3/2019	1.3	0.12 (J)				
9/24/2019			1			
9/25/2019		<1		0.81 (J)		
9/26/2019	1					
10/9/2019					14.85 (D)	27.75 (D)
10/10/2019		0.058 (J)	3.6			
3/19/2020				1.6		
3/24/2020	0.99 (J)	<1	3			25.2
3/25/2020					14.3	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
9/23/2020	1.1					
9/24/2020		<1	3.6	0.69 (J)	11.7	22.9
3/1/2021				0.88 (J)		
3/3/2021	1	<1				
3/4/2021			4.5		12	21.5
8/19/2021				1		
8/26/2021	1.2				19.2	
8/27/2021		<1				
9/1/2021			5			
9/3/2021						21.3
2/8/2022					14.6	17.9
2/9/2022	1.1	<1	3.9			
2/11/2022				2.8		
8/30/2022	1.3		3.2			
8/31/2022		<1		1.1	10.9	17.9
2/7/2023	1.2	<1	3.8		9.7	
2/8/2023				0.96 (J)		17.5
8/15/2023	0.88 (J)	<1	4.1		7.6	16.4
8/16/2023				0.9 (J)		
2/20/2024		<1	3.8	0.69 (J)	8.6	17.2
2/23/2024	0.79 (J)					
8/20/2024		<1	4	0.74 (J)		
8/21/2024	1.1				6.6	18.2
2/25/2025	0.59 (J)	<1	3.3	0.74 (J)	6.5	15.4
8/12/2025	0.98 (J)	<1	4.4	0.98 (J)	6.5	16.9

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	160				
8/31/2016		150	190		
9/1/2016				770	
11/14/2016	150		200		
11/15/2016		150			
11/16/2016				780	
2/24/2017	120				
2/27/2017			190	650	
2/28/2017		130			
5/8/2017	120	150		770	
5/9/2017			190		
7/11/2017	110				
7/13/2017		150	180	630	
10/10/2017	93	140	180		
10/11/2017				540	
4/2/2018	88.8				
4/3/2018			183		
4/4/2018		137		430	
9/19/2018	75	137	192	395	
3/27/2019	65.9	146	188	437	
10/8/2019	52.3	142			
10/9/2019			183 (D)	<1	
3/17/2020	71.6	121	161	439	
7/6/2020				385	
8/27/2020					144
8/28/2020				394	
9/22/2020	51.5	130			156
9/23/2020			170	430	
10/7/2020				427	156
11/12/2020				385	147
3/1/2021	51.6	119	159		139
3/2/2021				387	
8/19/2021	52.6	115	149		
8/20/2021					122
8/27/2021				423	
2/8/2022	50.9				
2/9/2022		121	164	415	119
8/31/2022	48	130	177	459	122
2/8/2023	50.5	130			
2/9/2023			193		
2/10/2023				517	114
8/15/2023	47.7	113	154	419	96.5
2/20/2024	51				
2/21/2024		124	170	511	98.9
8/20/2024	53.9				
8/21/2024		121	166	518	
8/22/2024					87.1
2/25/2025	48.3				
2/26/2025		112	161	463	86.6
8/12/2025	53.1	120			97.6
8/13/2025			165	455	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
5/1/2007	<0.001					
3/20/2008	<0.001					
8/27/2008	<0.001					
3/3/2009	<0.001					
11/18/2009	<0.001					
3/3/2010	<0.001					
9/8/2010	<0.001					
3/10/2011	<0.001					
9/8/2011	<0.001					
3/5/2012	<0.001					
9/10/2012	<0.001					
2/6/2013	<0.001					
8/12/2013	<0.001					
2/5/2014	<0.001					
8/5/2014	<0.001					
2/4/2015	<0.001					
2/16/2016	<0.001					
6/1/2016		<0.0005	<0.0005			<0.0005
6/2/2016					<0.0005	
7/21/2016	<0.001					
7/25/2016			<0.0005			<0.0005
7/26/2016		<0.0005			0.0001 (J)	
8/31/2016	<0.001					
9/13/2016		<0.0005	<0.0005			
9/14/2016				<0.0005		<0.0005
9/15/2016					<0.0005	
11/1/2016		<0.0005			<0.0005	<0.0005
11/4/2016			<0.0005	<0.0005		
11/28/2016	<0.001					
12/15/2016				<0.0005		
1/11/2017		<0.0005			<0.0005	<0.0005
1/16/2017			<0.0005	<0.0005		
2/22/2017	<0.001					
3/1/2017						<0.0005
3/2/2017		<0.0005	<0.0005		<0.0005	
3/3/2017				<0.0005		
4/26/2017					<0.0005	<0.0005
4/27/2017		<0.0005	<0.0005			
4/28/2017				<0.0005		
5/8/2017	6E-05 (J)					
5/26/2017				<0.0005		
6/27/2017		<0.0005	<0.0005			
6/28/2017				<0.0005	<0.0005	<0.0005
7/17/2017	6E-05 (J)					
10/16/2017	7E-05 (J)					
2/19/2018	<0.001					
3/27/2018			<0.0005			
3/28/2018				<0.0005	<0.0005	<0.0005
3/29/2018		<0.0005				
8/6/2018	<0.001					
2/25/2019	<0.001					
2/27/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/12/2019	<0.001					
8/19/2019	5.5E-05 (J)					
10/8/2019	<0.001					
2/10/2020		<0.0005	5.5E-05 (J)			
2/11/2020				<0.0005		<0.0005
2/12/2020					<0.0005	
3/17/2020	<0.001					
3/18/2020			<0.0005			
3/19/2020		<0.0005		<0.0005	<0.0005	<0.0005
8/26/2020	<0.001					
9/22/2020	<0.001					
9/23/2020		<0.0005	<0.0005	<0.0005	<0.0005	0.00016 (J)
2/10/2021				<0.0005	<0.0005	<0.0005
2/12/2021		<0.0005	<0.0005			
3/2/2021	<0.001					
8/20/2021	<0.001					
2/8/2022	<0.001					
2/9/2022		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/30/2022	<0.001	<0.0005		<0.0005		
8/31/2022			<0.0005		<0.0005	<0.0005
2/7/2023	<0.001	<0.0005	<0.0005	<0.0005		
2/8/2023					<0.0005	<0.0005
8/15/2023	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	
8/16/2023						<0.0005
2/20/2024	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/20/2024		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/25/2025		<0.0005	<0.0005	<0.0005	0.00043 (J)	0.00053 (J)
8/12/2025		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	<0.0005	<0.0005	<0.0005	<0.0005		
6/6/2016						<0.0005
6/7/2016					<0.0005	
7/26/2016	<0.0005	<0.0005	<0.0005	<0.0005		
7/27/2016					<0.0005	<0.0005
9/14/2016	<0.0005	<0.0005	<0.0005			
9/15/2016				<0.0005		
9/16/2016					<0.0005	
9/19/2016						<0.0005
11/2/2016	<0.0005	<0.0005		<0.0005		
11/3/2016					<0.0005	<0.0005
11/4/2016			<0.0005			
1/10/2017				<0.0005		
1/11/2017					<0.0005	<0.0005
1/12/2017		<0.0005	<0.0005			
1/13/2017	<0.0005					
3/1/2017						<0.0005
3/2/2017					<0.0005	
3/6/2017	<0.0005					
3/7/2017		<0.0005	<0.0005			
3/8/2017				<0.0005		
4/26/2017				<0.0005		<0.0005
5/1/2017	<0.0005	<0.0005				
5/2/2017			<0.0005		<0.0005	
6/27/2017		<0.0005	<0.0005			
6/28/2017						<0.0005
6/29/2017	<0.0005				<0.0005	
6/30/2017				<0.0005		
3/27/2018				<0.0005		
3/28/2018					<0.0005	<0.0005
3/29/2018	<0.0005	<0.0005	<0.0005			
2/26/2019				<0.0005		
3/4/2019	<0.0005	<0.0005	<0.0005			
3/5/2019					<0.0005	
3/6/2019						<0.0005
4/2/2019					<0.0005	
4/3/2019	<0.0005	<0.0005	<0.0005			<0.0005
9/24/2019		<0.0005	<0.0005			
9/25/2019	<0.0005				<0.0005	
9/26/2019						<0.0005
2/11/2020					<0.0005	<0.0005
2/12/2020	<0.0005	<0.0005	<0.0005	8.9E-05 (J)		
3/18/2020				<0.0005		
3/24/2020		<0.0005	<0.0005		<0.0005	<0.0005
3/25/2020	<0.0005					
9/22/2020	<0.0005	<0.0005	<0.0005			
9/23/2020					<0.0005	<0.0005
9/25/2020				<0.0005		
2/8/2021		<0.0005	<0.0005			
2/9/2021	<0.0005				<0.0005	<0.0005
2/10/2021				<0.0005		
2/9/2022					<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
2/10/2022		<0.0005	<0.0005	<0.0005		
2/11/2022	<0.0005					
8/30/2022		<0.0005	<0.0005		<0.0005	<0.0005
8/31/2022	<0.0005			<0.0005		
2/7/2023		<0.0005			<0.0005	<0.0005
2/8/2023				<0.0005		
2/9/2023	<0.0005		<0.0005			
8/15/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/20/2024	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
2/23/2024				<0.0005		
8/20/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/25/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/12/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				<0.0005		
6/6/2016	<0.0005					
6/7/2016		<0.0005	<0.0005			
7/25/2016				<0.0005		
7/27/2016	<0.0005	<0.0005				
7/28/2016			<0.0005			
9/16/2016	<0.0005					
9/19/2016		<0.0005	<0.0005	<0.0005		
11/1/2016				<0.0005		
11/2/2016		<0.0005				
11/3/2016	<0.0005		<0.0005			
1/11/2017	<0.0005					
1/13/2017		<0.0005	<0.0005			
1/16/2017				<0.0005		
2/21/2017				<0.0005		
3/1/2017	<0.0005					
3/6/2017		<0.0005	<0.0005			
4/26/2017	<0.0005	<0.0005	<0.0005	<0.0005		
6/28/2017	<0.0005					
6/29/2017		<0.0005	<0.0005			
6/30/2017				<0.0005		
10/11/2017					<0.0005	
10/12/2017						<0.0005
11/20/2017					<0.0005	<0.0005
1/10/2018						<0.0005
1/11/2018					<0.0005	
2/19/2018						<0.0005
2/20/2018					<0.0005	
3/27/2018				<0.0005		
3/28/2018	<0.0005					
3/29/2018		<0.0005	<0.0005			
4/3/2018					<0.0005	<0.0005
6/28/2018					<0.0005	<0.0005
8/7/2018					<0.0005	<0.0005
9/24/2018					<0.0005	<0.0005
2/26/2019				<0.0005		
3/5/2019	<0.0005	<0.0005	<0.0005			
4/2/2019			<0.0005			
4/3/2019	<0.0005	<0.0005				
8/21/2019					<0.0005	<0.0005
9/24/2019			<0.0005			
9/25/2019		<0.0005				
9/26/2019	<0.0005					
2/11/2020	<0.0005					
2/12/2020		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/19/2020				<0.0005		
3/24/2020	<0.0005	<0.0005	<0.0005			<0.0005
3/25/2020					<0.0005	
9/23/2020	<0.0005					
9/24/2020		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/9/2021	<0.0005	<0.0005	<0.0005			
2/10/2021					<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
2/11/2021				<0.0005		
2/8/2022					<0.0005	<0.0005
2/9/2022	<0.0005	<0.0005	<0.0005			
2/11/2022				<0.0005		
8/30/2022	<0.0005		<0.0005			
8/31/2022		<0.0005		<0.0005	<0.0005	<0.0005
2/7/2023	<0.0005	<0.0005	<0.0005		<0.0005	
2/8/2023				<0.0005		<0.0005
8/15/2023	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
8/16/2023				<0.0005		
2/20/2024		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/23/2024	<0.0005					
8/20/2024		<0.0005	<0.0005	<0.0005		
8/21/2024	<0.0005				<0.0005	<0.0005
2/25/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/12/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	<0.0005				
8/31/2016		<0.0005	<0.0005		
9/1/2016				<0.0005	
11/14/2016	<0.0005		<0.0005		
11/15/2016		<0.0005			
11/16/2016				<0.0005	
2/24/2017	<0.0005				
2/27/2017			<0.0005	<0.0005	
2/28/2017		<0.0005			
5/8/2017	<0.0005	<0.0005		<0.0005	
5/9/2017			<0.0005		
7/11/2017	<0.0005				
7/13/2017		<0.0005	<0.0005	<0.0005	
10/10/2017	<0.0005	<0.0005	<0.0005		
10/11/2017				<0.0005	
4/2/2018	<0.0005				
4/3/2018			<0.0005		
4/4/2018		<0.0005		<0.0005	
9/19/2018	<0.0005	<0.0005	<0.0005	<0.0005	
8/20/2019	5.8E-05 (J)	<0.0005	<0.0005		
8/21/2019				<0.0005	
10/8/2019	8.4E-05 (J)	<0.0005			
10/9/2019			<0.0005	<0.0005	
3/17/2020	<0.0005	8E-05 (J)	<0.0005	<0.0005	
7/6/2020				7.3E-05 (J)	
8/27/2020	<0.0005	<0.0005			<0.0005
8/28/2020			<0.0005	<0.0005	
11/12/2020				<0.0005	<0.0005
8/19/2021	<0.0005	<0.0005	<0.0005		
8/20/2021					<0.0005
8/27/2021				<0.0005	
2/8/2022	<0.0005				
2/9/2022		<0.0005	<0.0005	<0.0005	<0.0005
8/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/8/2023	<0.0005	<0.0005			
2/9/2023			<0.0005		
2/10/2023				<0.0005	<0.0005
8/15/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/20/2024	<0.0005				
2/21/2024		<0.0005	<0.0005	<0.0005	<0.0005
8/20/2024	<0.0005				
8/21/2024		<0.0005	<0.0005	<0.0005	
8/22/2024					<0.0005
2/25/2025	<0.0005				
2/26/2025		<0.0005	<0.0005	<0.0005	<0.0005
8/12/2025	<0.0005	<0.0005			<0.0005
8/13/2025			<0.0005	<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
6/1/2016		120	54			150
6/2/2016					130	
7/25/2016			48			135
7/26/2016		94			141	
8/31/2016	209					
9/13/2016		105	67			
9/14/2016				152		127
9/15/2016					153	
11/1/2016		44			92	75
11/4/2016			60	148		
11/28/2016	102					
12/15/2016				191		
1/11/2017		107			159	148
1/16/2017			65	180		
2/22/2017	164					
3/1/2017						182
3/2/2017		98	61		117	
3/3/2017				156		
4/26/2017					181	92
4/27/2017		116	31			
4/28/2017				130		
5/8/2017	145					
5/26/2017				223		
6/27/2017		89	42			
6/28/2017				166	169	126
7/17/2017	185					
10/3/2017		119	58	153		
10/4/2017					141	147
10/16/2017	218					
2/19/2018	173					
6/5/2018		127				
6/6/2018			96			
6/7/2018				146	95	
6/8/2018						158
8/6/2018	158					
10/1/2018		117	60	155	165	138
2/25/2019	92					
3/28/2019		87	87			
3/29/2019				150		
4/1/2019					149	19 (J)
6/12/2019	226					
9/24/2019		124	54	146		
9/25/2019					157	159
10/8/2019	276					
3/17/2020	185					
3/18/2020			35			
3/19/2020		116		148	146	148
9/22/2020	281					
9/23/2020		108	15	161	157	155
3/2/2021	296					
3/3/2021		99	39	138	137	111
8/19/2021		105	44		144	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-1D (bg)	YGWA-1I (bg)	YGWA-2I (bg)	YGWA-3D (bg)	YGWA-3I (bg)
8/20/2021	254					
8/27/2021				150		155
2/8/2022	283					
2/9/2022		105	57	156	154	145
8/30/2022	244	116		153		
8/31/2022			46		141	137
2/7/2023	207	131	121	159		
2/8/2023					144	145
8/15/2023	230	121	65	157	231	
8/16/2023						148
2/20/2024	214	130	59	159	294	220
8/20/2024		140	67	184	164	179
2/25/2025		121	47	156	147	136
8/12/2025		113	50	152	154	156

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
6/2/2016	96	160	66	46		
6/6/2016						120
6/7/2016					28	
7/26/2016	92	177	78	54		
7/27/2016					74	94
9/14/2016	102	187	73			
9/15/2016				54		
9/16/2016					67	
9/19/2016						92
11/2/2016	115	181		71		
11/3/2016					41	104
11/4/2016			75			
1/10/2017				45		
1/11/2017					104	133
1/12/2017		202	86			
1/13/2017	67					
3/1/2017						119
3/2/2017					77	
3/6/2017	159					
3/7/2017		257	108			
3/8/2017				178		
4/26/2017				52		162
5/1/2017	107	165				
5/2/2017			103		142	
6/27/2017		189	73			
6/28/2017						98
6/29/2017	79				53	
6/30/2017				45		
10/3/2017		170	89			
10/4/2017					61	
10/5/2017	95			40		104
6/6/2018		151				
6/7/2018	90		142			68
6/8/2018				114		
6/11/2018					70	
9/25/2018					86	109
9/26/2018	116	144	86			
10/1/2018				50		
3/29/2019				63		
4/2/2019					72	
4/3/2019	111	142	83			89
9/24/2019		129	79			
9/25/2019	117			64	81	
9/26/2019						126
3/18/2020				57		
3/24/2020		139	68		71	91
3/25/2020	146					
9/22/2020	83	104	75			
9/23/2020					99	103
9/25/2020				54		
3/2/2021		52	67	67		
3/3/2021	80				57	95

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-5I (bg)	YGWA-14S (bg)	YGWA-17S (bg)	YGWA-18I (bg)
8/19/2021				54		
8/26/2021	93	123	86			
8/27/2021					93	112
2/9/2022					81	103
2/10/2022		127	77	56		
2/11/2022	102					
8/30/2022		148	86		81	100
8/31/2022	92			51		
2/7/2023		180			78	96
2/8/2023				56		
2/9/2023	124		59			
8/15/2023	99	219	76	69	74	96
2/20/2024	140	639 (O)	137		77	129
2/23/2024				64		
8/20/2024	128	212	108	81	86	128
2/25/2025	105	146	83	64	93	110
8/12/2025	115	159	87	60	92	95

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
6/2/2016				36		
6/6/2016	58					
6/7/2016		38	60			
7/25/2016				50		
7/27/2016	35	74				
7/28/2016			81			
9/16/2016	35					
9/19/2016		45	68	35		
11/1/2016				<25		
11/2/2016		53				
11/3/2016	48		61			
1/11/2017	95					
1/13/2017		46	76			
1/16/2017				47		
2/21/2017				<25		
3/1/2017	79					
3/6/2017		164	167			
4/26/2017	36	34	50	55		
6/28/2017	45					
6/29/2017		68	94			
6/30/2017				42		
10/3/2017			149			
10/4/2017	45	54		31		
10/11/2017					68	
10/12/2017						74
11/20/2017					139	179
1/10/2018						140
1/11/2018					153	
2/19/2018						119
2/20/2018					87	
4/3/2018					85	106
6/5/2018			109			
6/6/2018		79				
6/11/2018	74			59		
6/28/2018					88	112
8/7/2018					89	103
9/24/2018					82	107
9/25/2018	63	73	122			
10/2/2018				57		
3/26/2019						90
3/27/2019					75	
4/1/2019				54		
4/2/2019			134			
4/3/2019	63	57				
9/24/2019			157			
9/25/2019		75		51		
9/26/2019	72					
10/9/2019					119	98
3/19/2020				47		
3/24/2020	59	76	117			84
3/25/2020					158	
9/23/2020	81					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:38 AM

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-21I (bg)	YGWA-30I (bg)	YGWA-39 (bg)	YGWA-40 (bg)
9/24/2020		69	113	51	170	77
3/1/2021				23		
3/3/2021	37	53				
3/4/2021			110		168	57
8/19/2021				50		
8/26/2021	31				249	
8/27/2021		67				
9/1/2021			137			
9/3/2021						88
2/8/2022					248	93
2/9/2022	60	72	131			
2/11/2022				66		
8/30/2022	52		122			
8/31/2022		62		33	242	92
2/7/2023	55	89	163		224	
2/8/2023				43		115
8/15/2023	81	62	126		225	83
8/16/2023				48		
2/20/2024		164	156	55	233	109
2/23/2024	52					
8/20/2024		75	143	69		
8/21/2024	79				235	94
2/25/2025	69	69	110	51	228	86
8/12/2025	54	68	120	63	244	89

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:38 AM

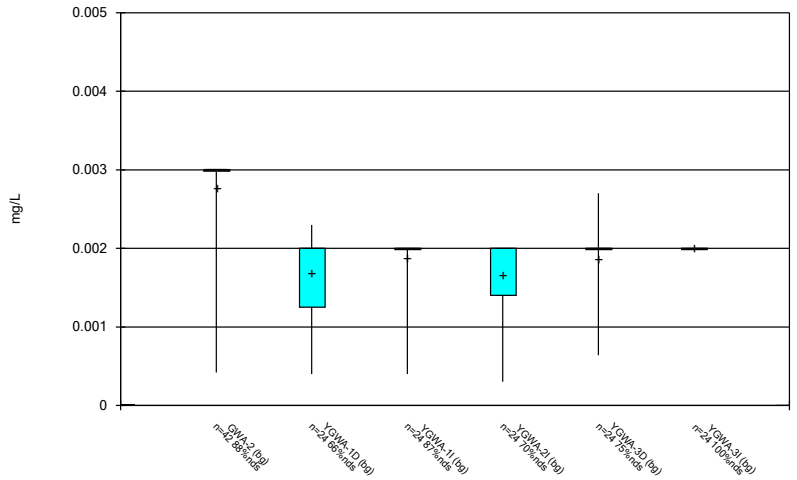
Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-47 (bg)	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/30/2016	319				
8/31/2016		332	402		
9/1/2016				1240	
11/14/2016	280		445		
11/15/2016		356			
11/16/2016				1220	
2/24/2017	162				
2/27/2017			346	1060	
2/28/2017		483			
5/8/2017	194	296		1160	
5/9/2017			388		
7/11/2017	193				
7/13/2017		345	433	996	
10/10/2017	175	311	396		
10/11/2017				835	
4/2/2018	192				
4/3/2018			418		
4/4/2018		313		1470	
9/19/2018	186	326	413	702	
3/27/2019	170	302	383	641	
10/8/2019	172	324			
10/9/2019			432	809	
3/17/2020	165	283	391	733	
7/6/2020				793	
8/27/2020					349
8/28/2020				838	
9/22/2020	141	294			296
9/23/2020			404	832	
10/7/2020				842	336
11/12/2020				760	317
3/1/2021	145	276	379		265
3/2/2021				782	
8/19/2021	134	333	391		
8/20/2021					289
8/27/2021				810	
2/8/2022	151				
2/9/2022		311	400	846	278
8/31/2022	116	343	445	948	266
2/8/2023	141	337			
2/9/2023			394		
2/10/2023				995	228
8/15/2023	186	319	404	945	267
2/20/2024	159				
2/21/2024		309	418	1100	274
8/20/2024	155				
8/21/2024		320	442	1060	
8/22/2024					232
2/25/2025	147				
2/26/2025		309	456	1030	205
8/12/2025	167	315			220
8/13/2025			457	1010	

FIGURE B.

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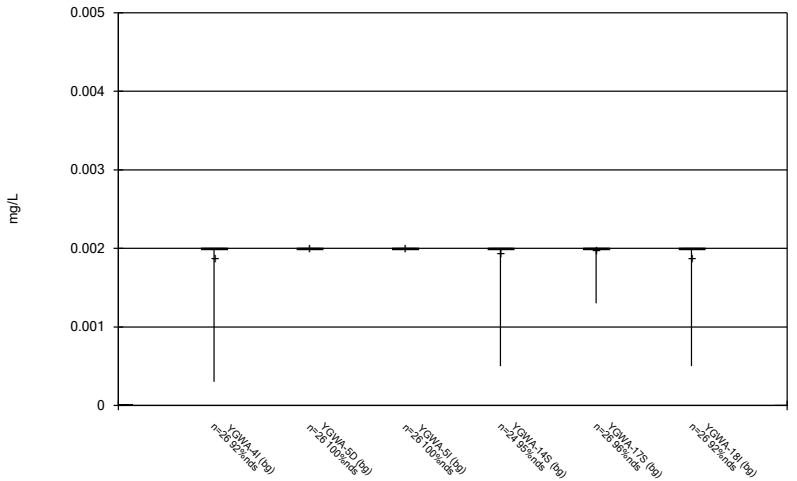
Box & Whiskers Plot



Constituent: Antimony Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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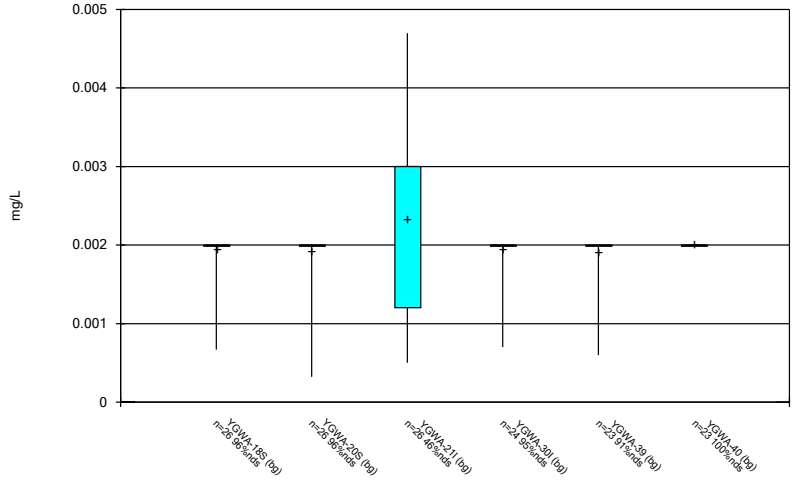
Box & Whiskers Plot



Constituent: Antimony Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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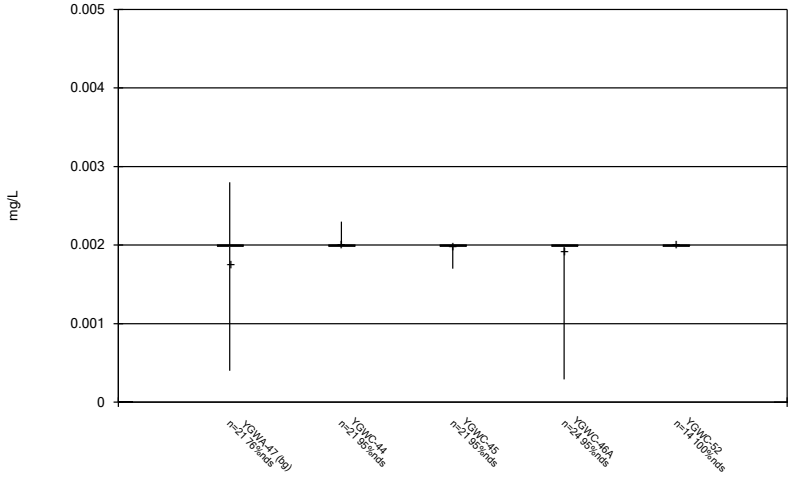
Box & Whiskers Plot



Constituent: Antimony Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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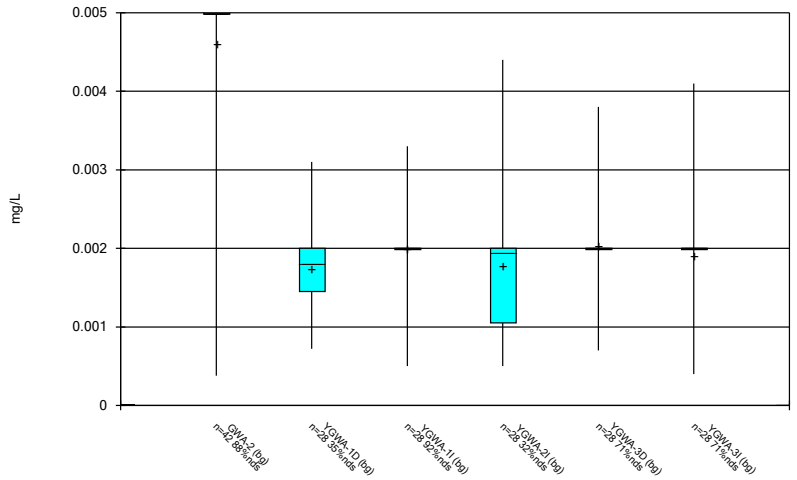
Box & Whiskers Plot



Constituent: Antimony Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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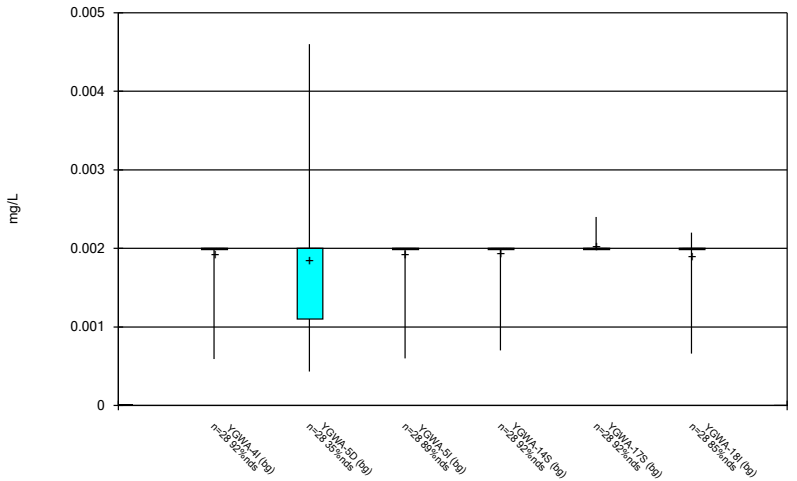
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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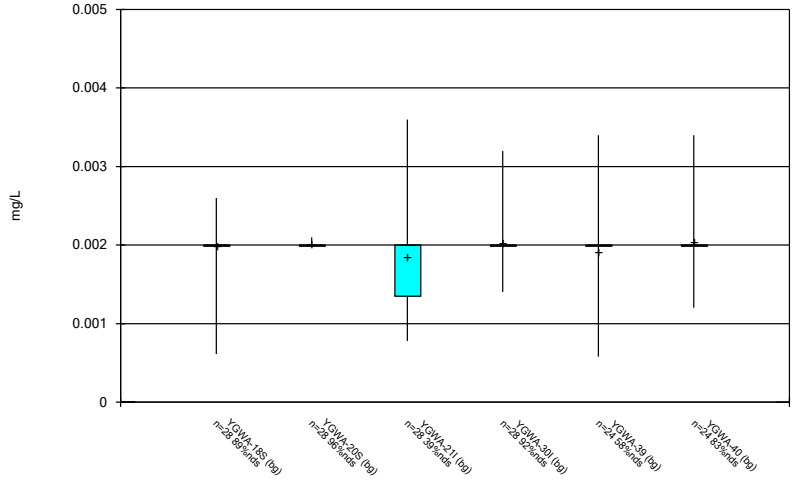
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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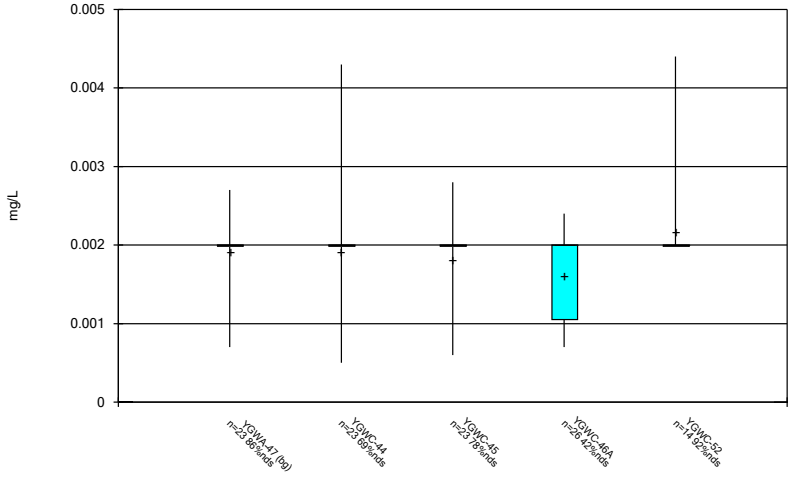
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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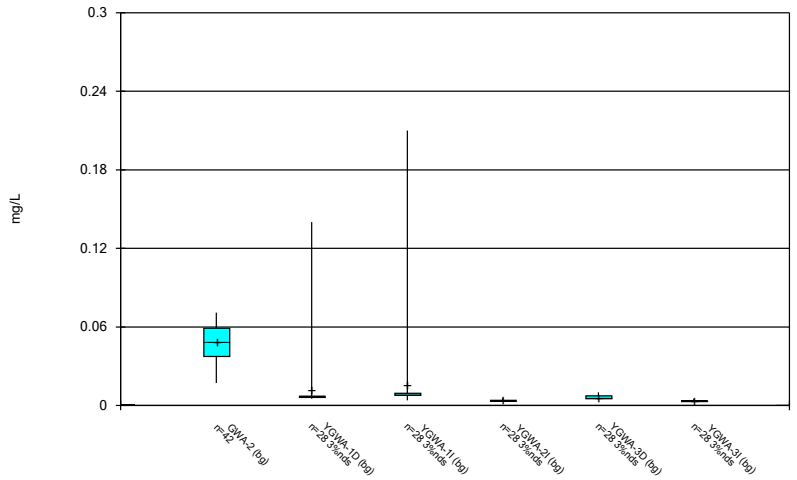
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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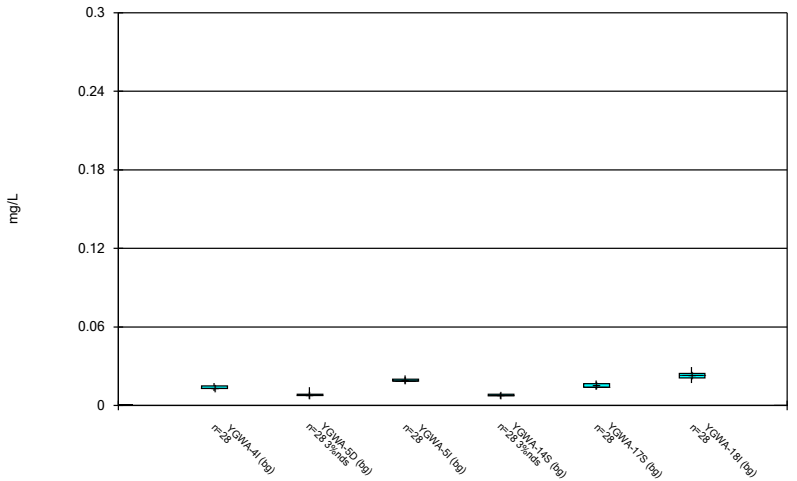
Box & Whiskers Plot



Constituent: Barium Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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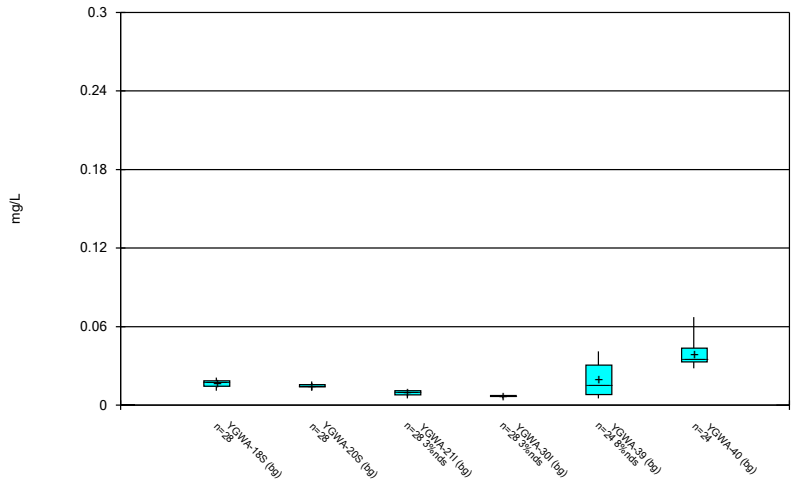
Box & Whiskers Plot



Constituent: Barium Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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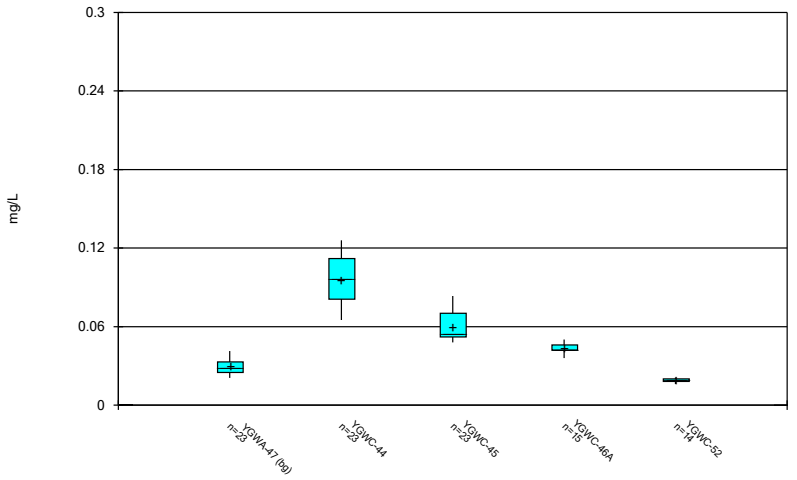
Box & Whiskers Plot



Constituent: Barium Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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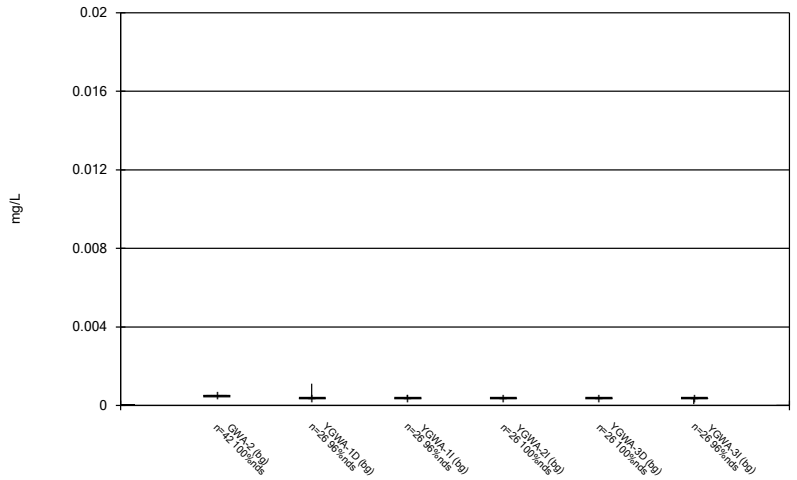
Box & Whiskers Plot



Constituent: Barium Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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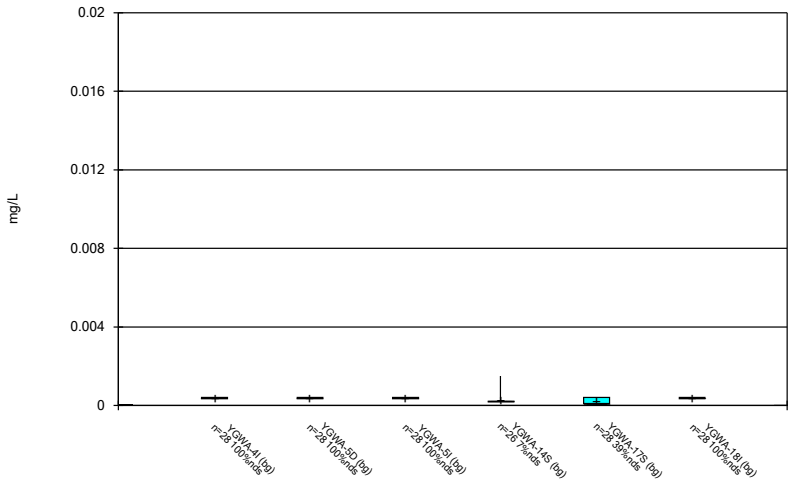
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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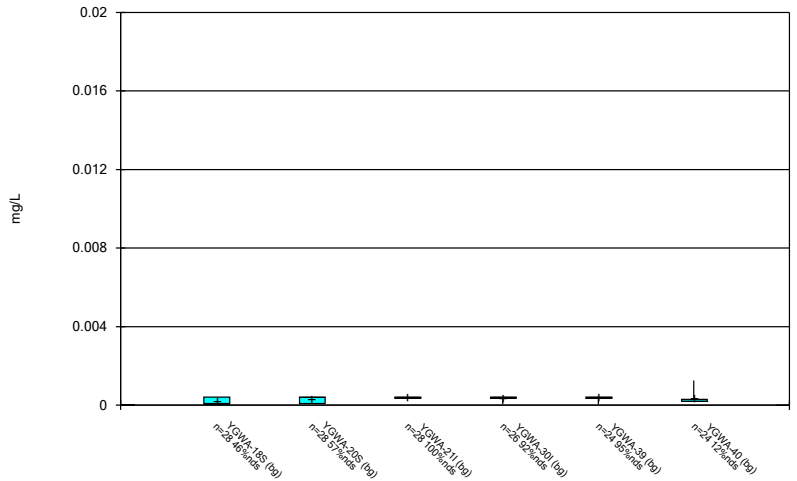
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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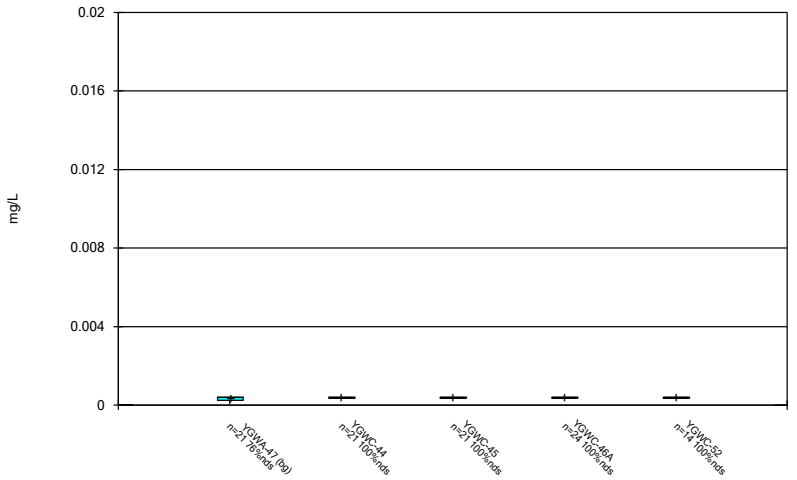
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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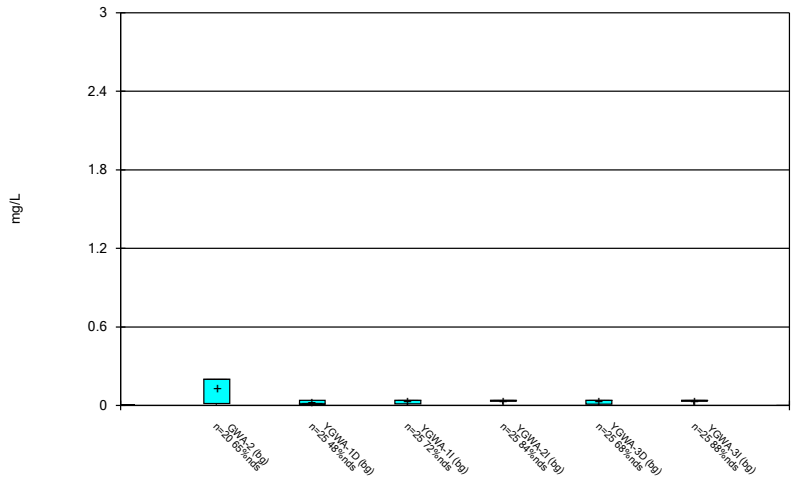
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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Box & Whiskers Plot

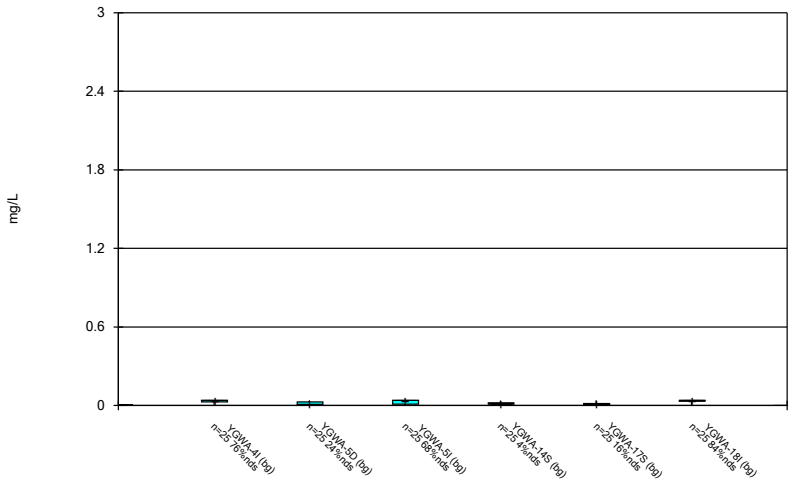


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Plant Yates Client: Southern Company Data: Yates AP-1

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Box & Whiskers Plot

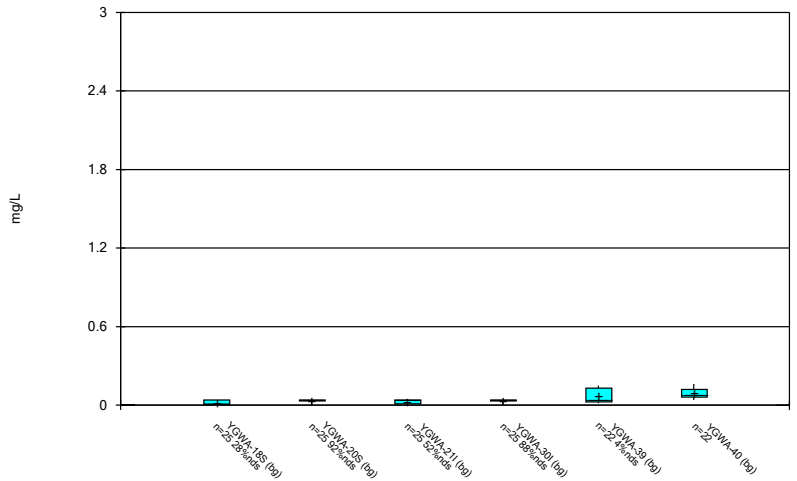


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Plant Yates Client: Southern Company Data: Yates AP-1

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Box & Whiskers Plot

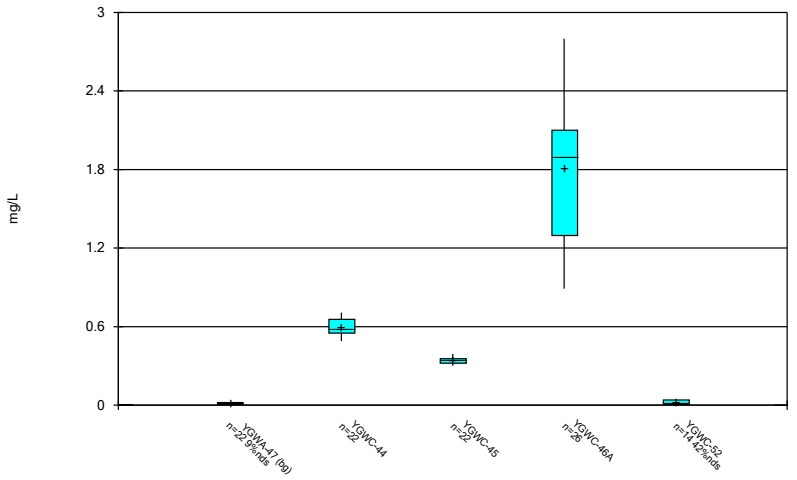


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Plant Yates Client: Southern Company Data: Yates AP-1

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Box & Whiskers Plot

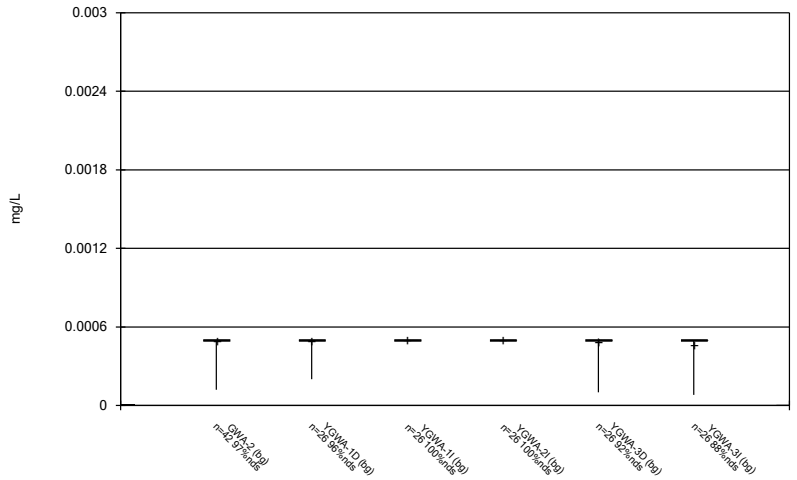


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Plant Yates Client: Southern Company Data: Yates AP-1

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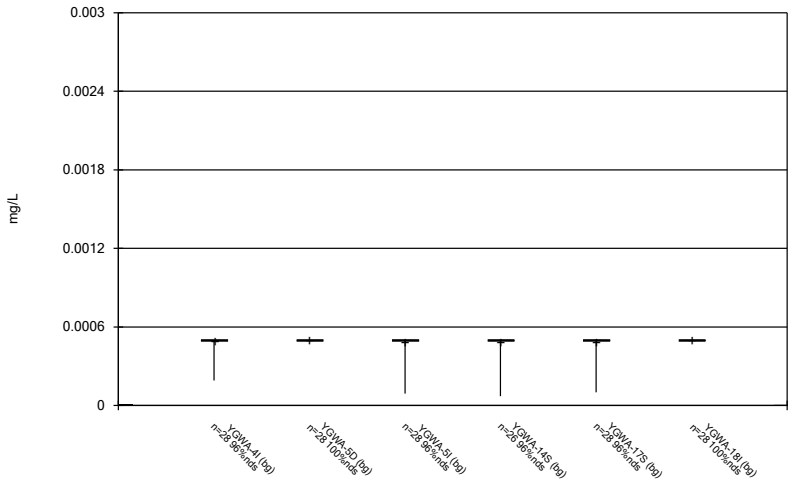
Box & Whiskers Plot



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Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

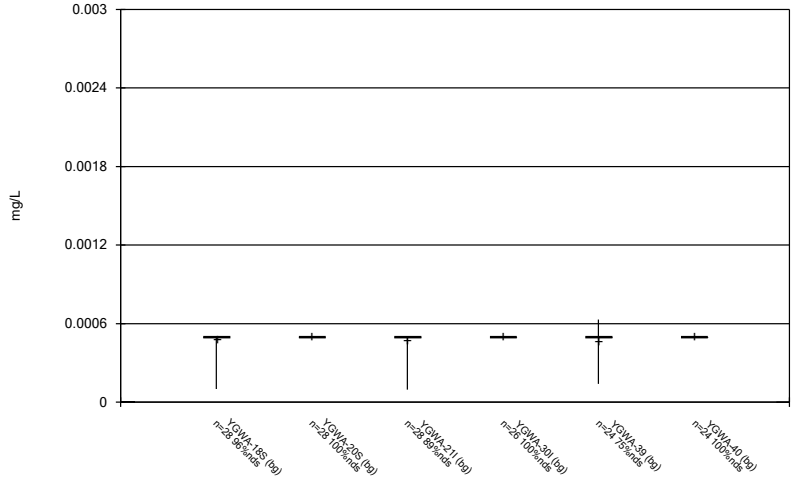
Box & Whiskers Plot



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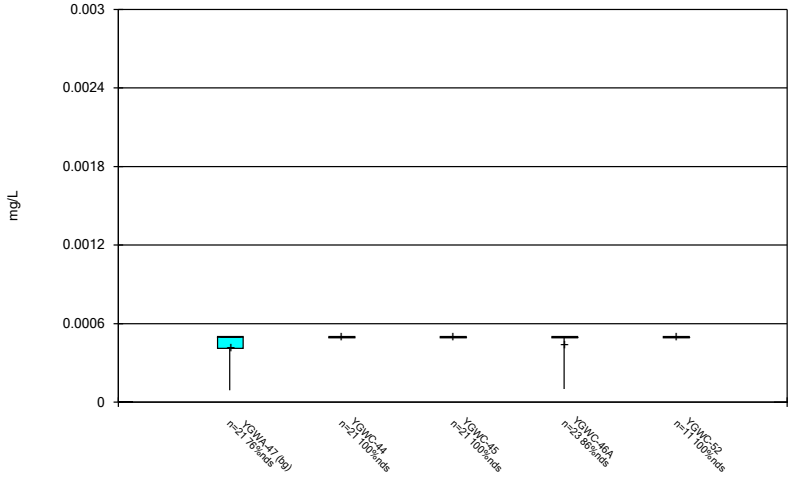
Box & Whiskers Plot



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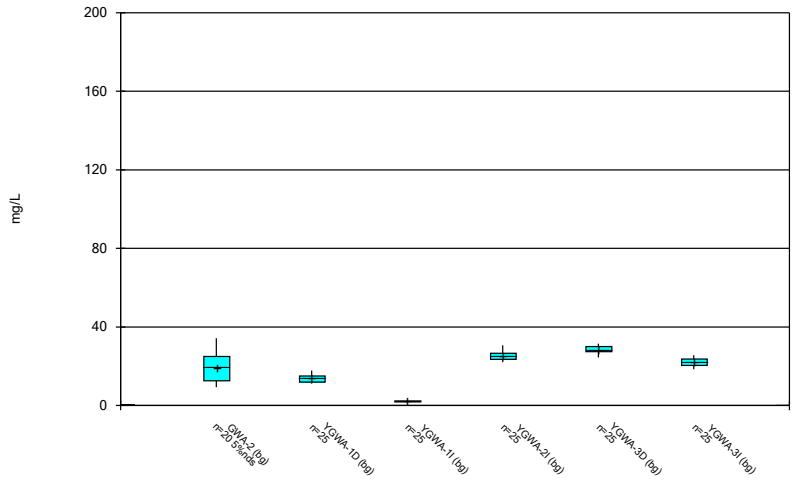
Box & Whiskers Plot



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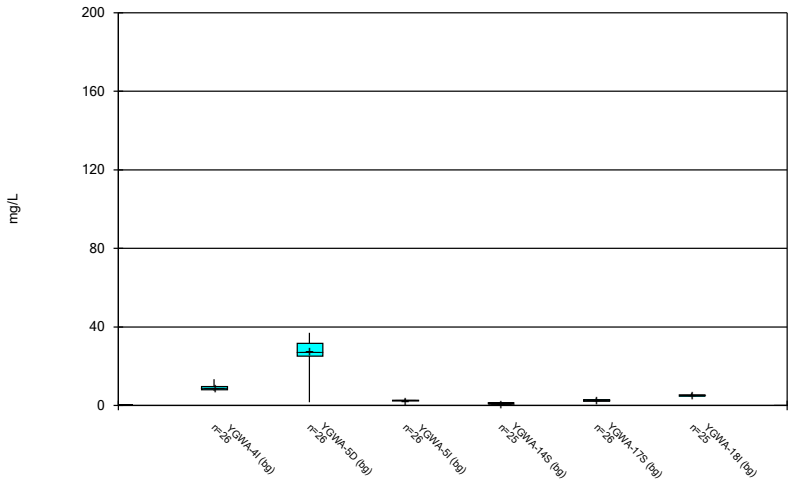
Box & Whiskers Plot



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Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

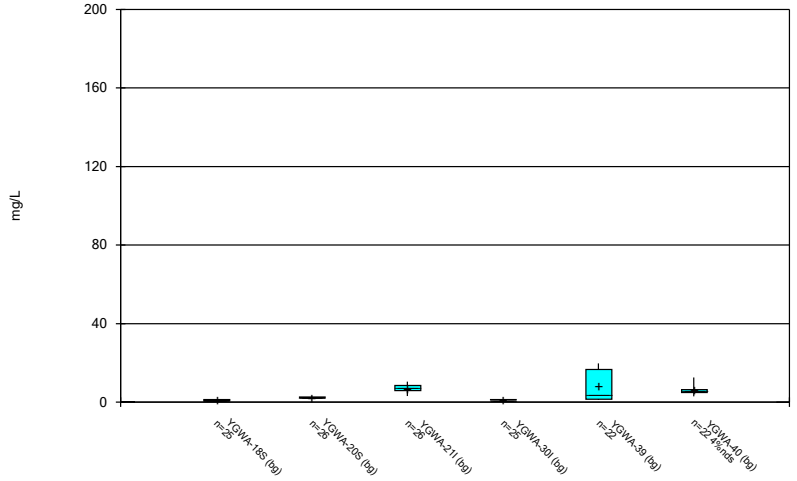
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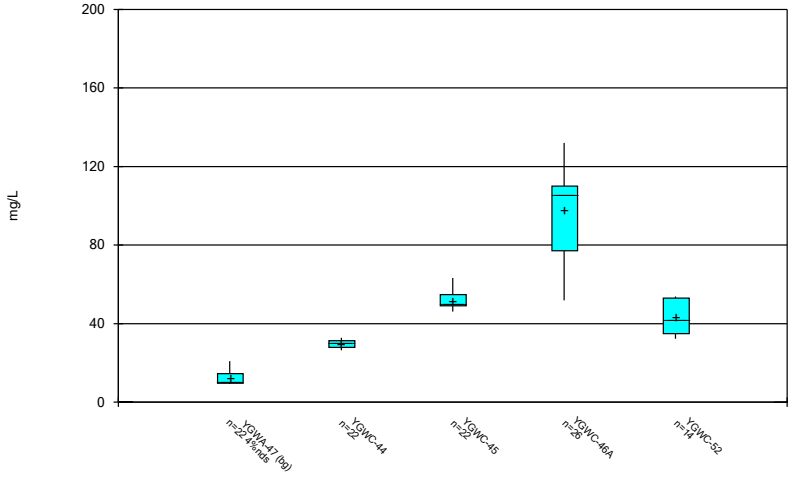
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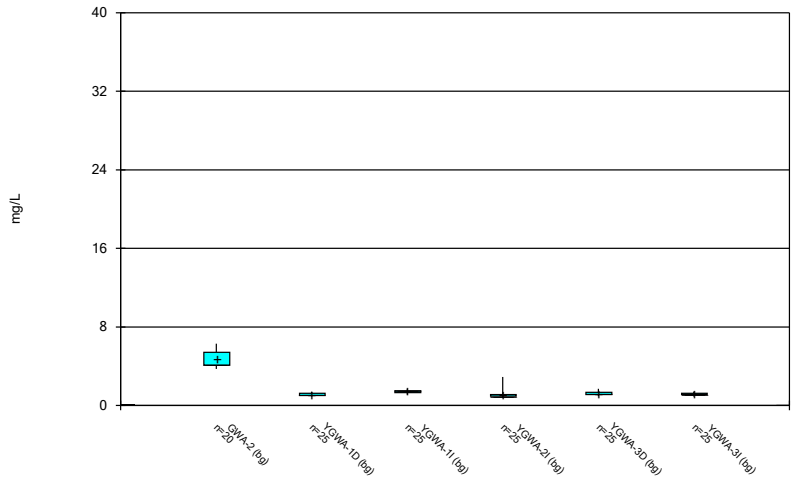
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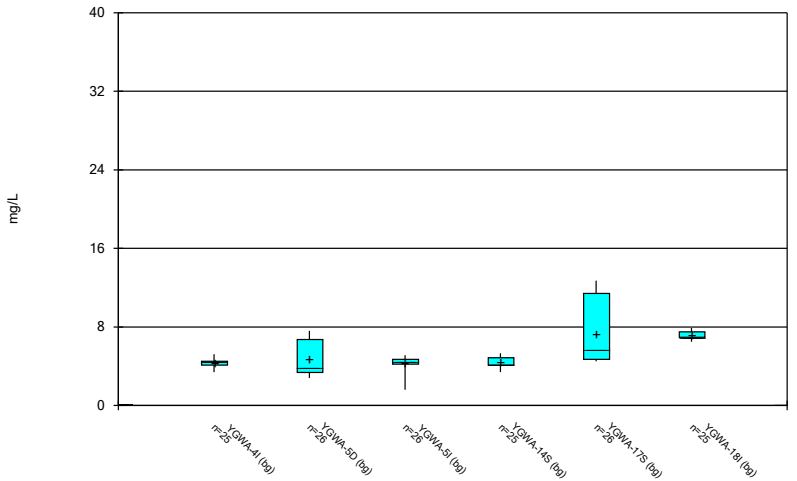
Box & Whiskers Plot



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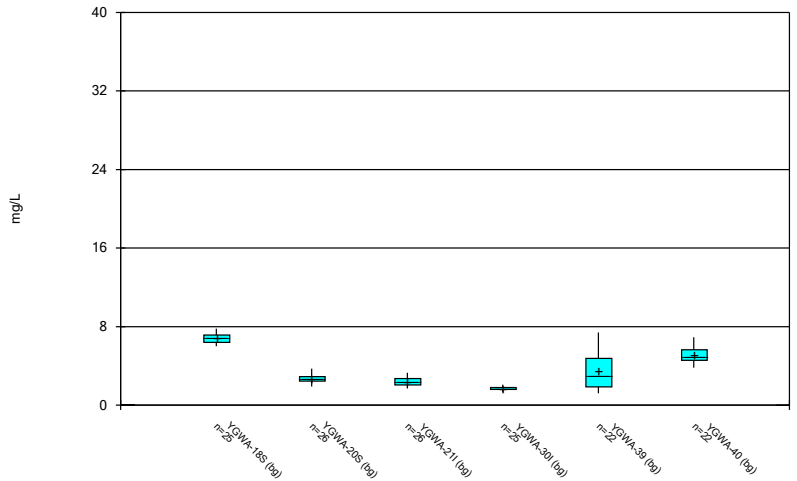
Box & Whiskers Plot



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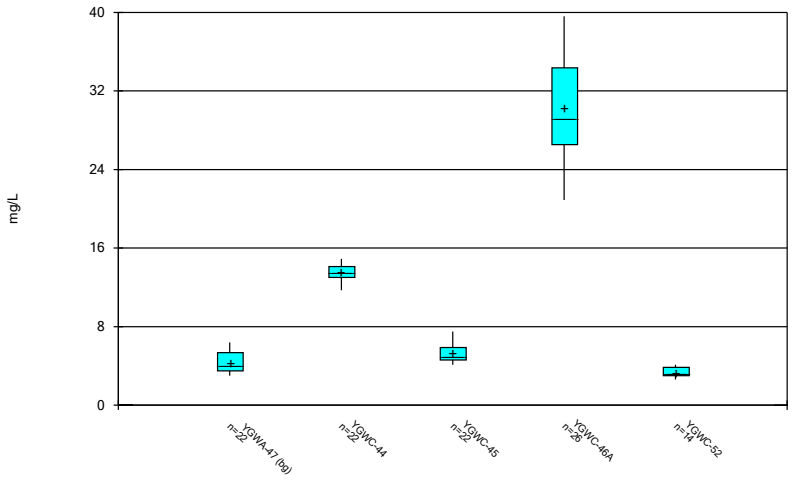
Box & Whiskers Plot



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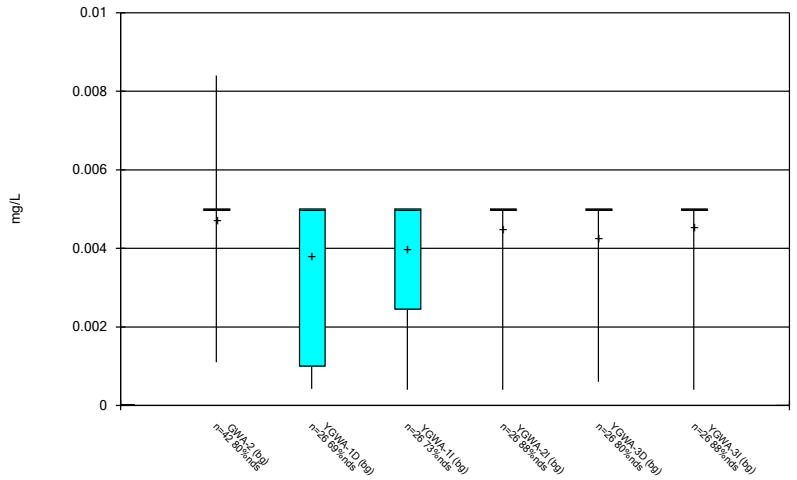
Box & Whiskers Plot



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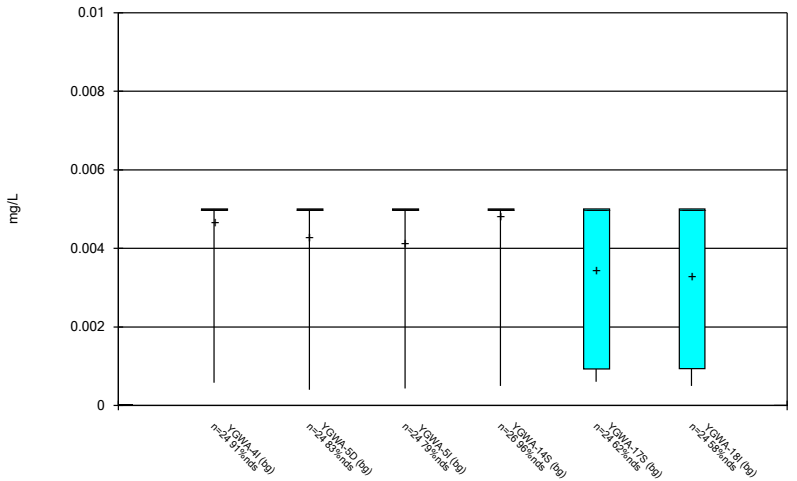
Box & Whiskers Plot



Constituent: Chromium Analysis Run 2/10/2026 10:39 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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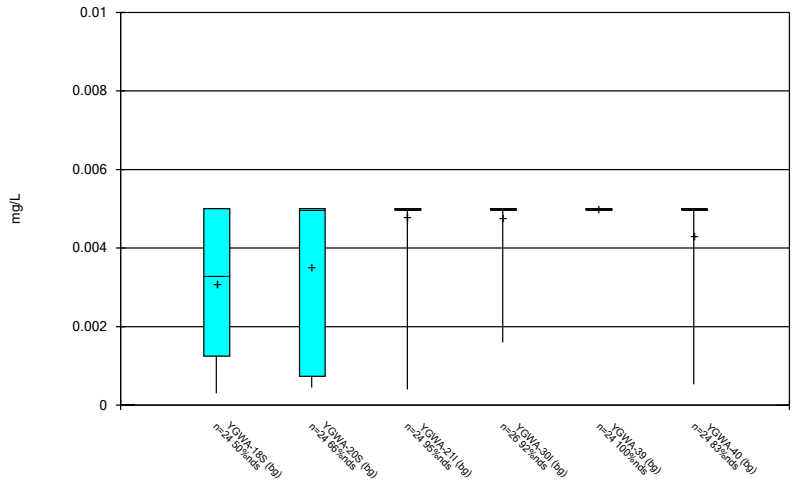
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Plant Yates Client: Southern Company Data: Yates AP-1

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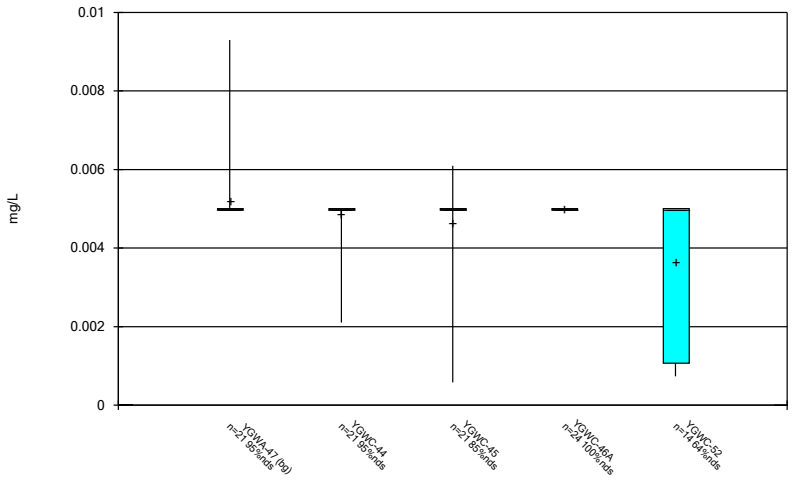
Box & Whiskers Plot



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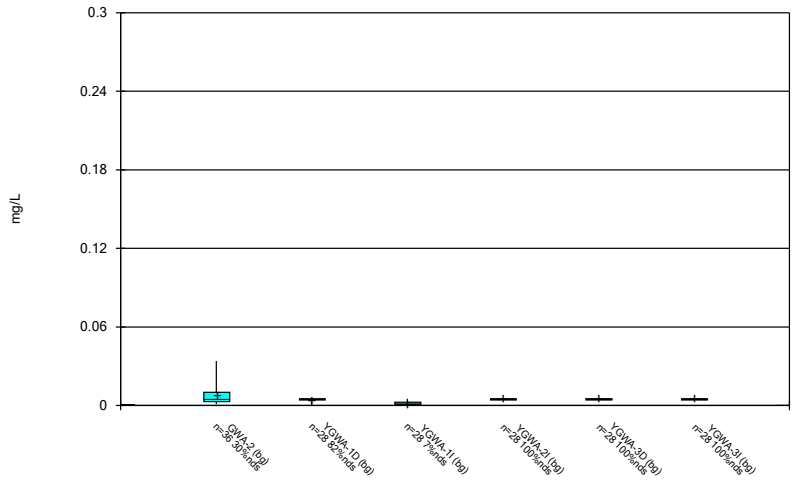
Box & Whiskers Plot



Constituent: Chromium Analysis Run 2/10/2026 10:39 AM
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Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

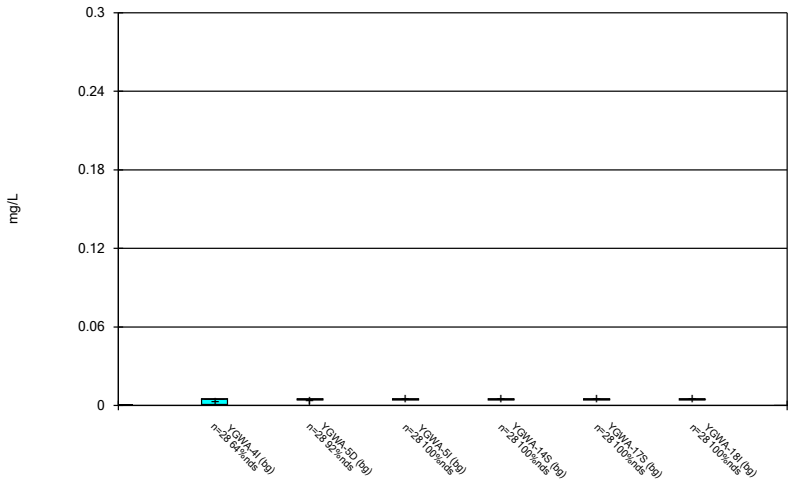


Constituent: Cobalt Analysis Run 2/10/2026 10:39 AM

Plant Yates Client: Southern Company Data: Yates AP-1

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Box & Whiskers Plot

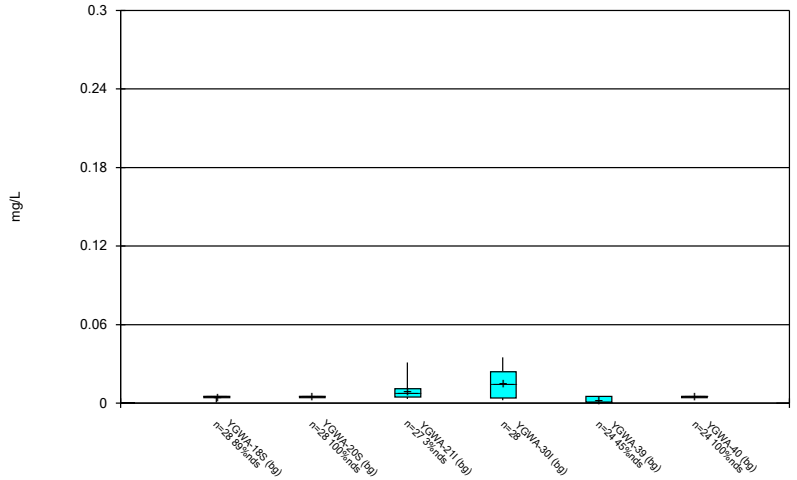


Constituent: Cobalt Analysis Run 2/10/2026 10:39 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

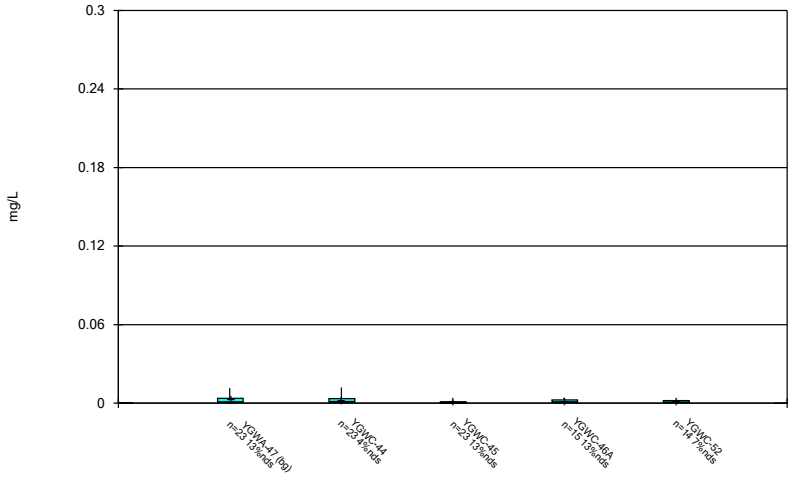


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Plant Yates Client: Southern Company Data: Yates AP-1

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Box & Whiskers Plot

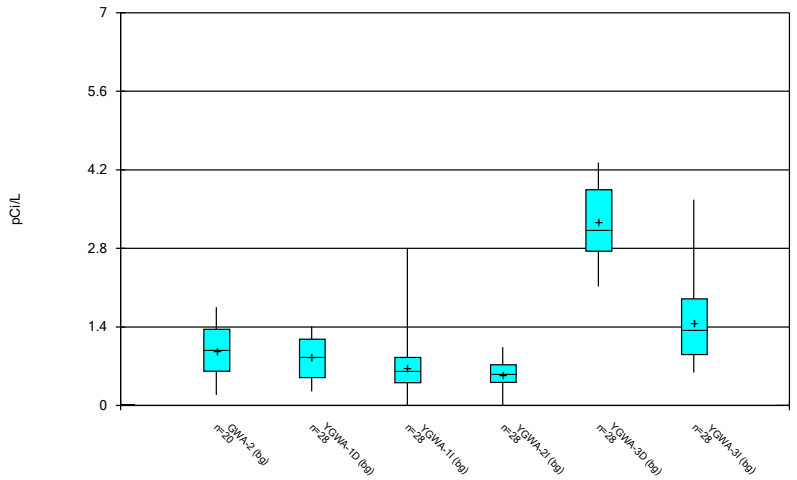


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Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

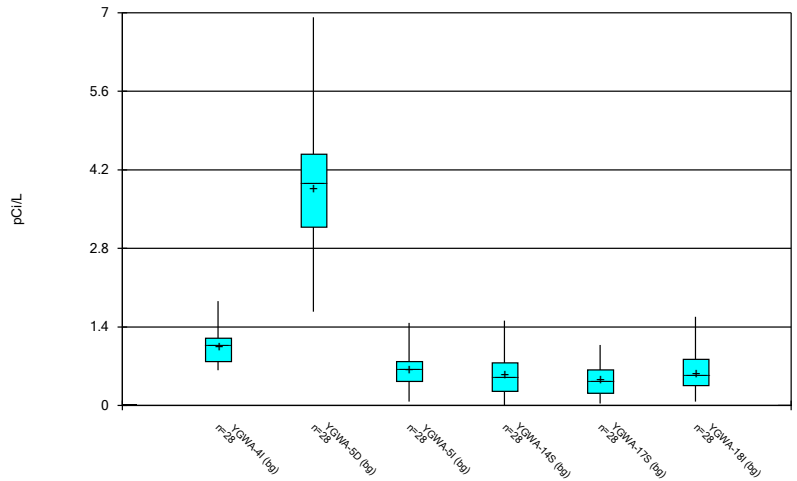
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

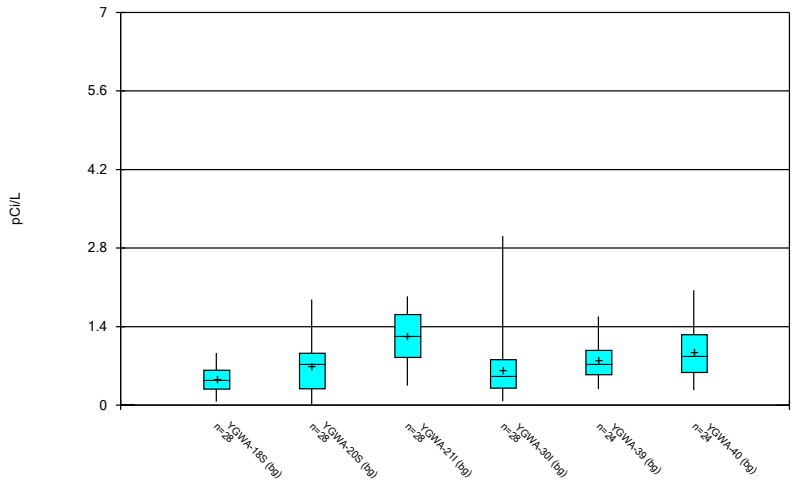
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

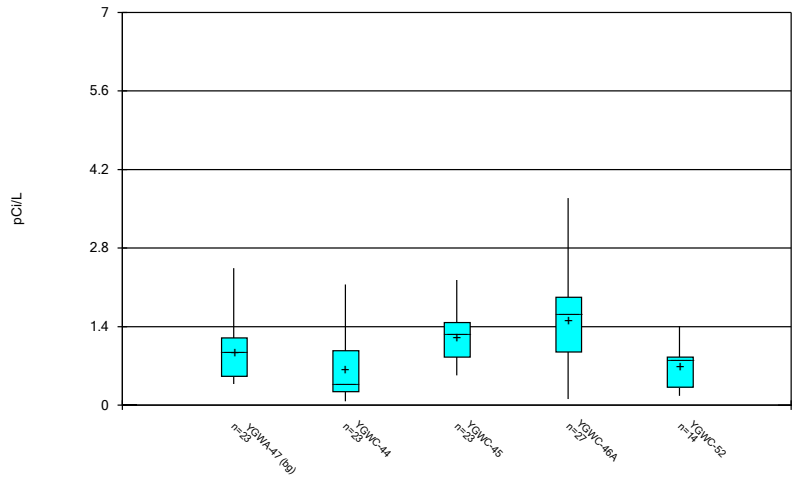
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

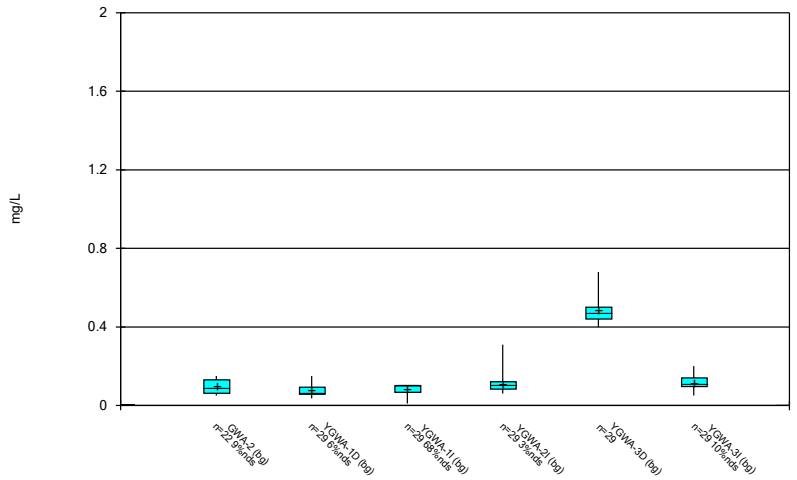
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

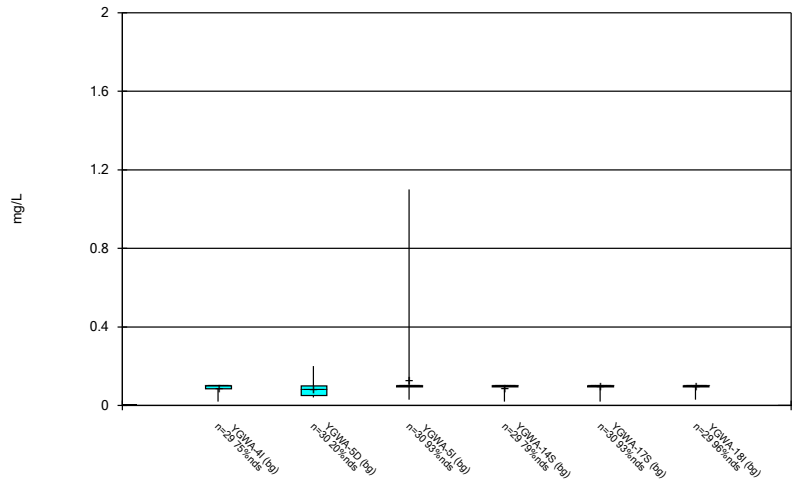
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

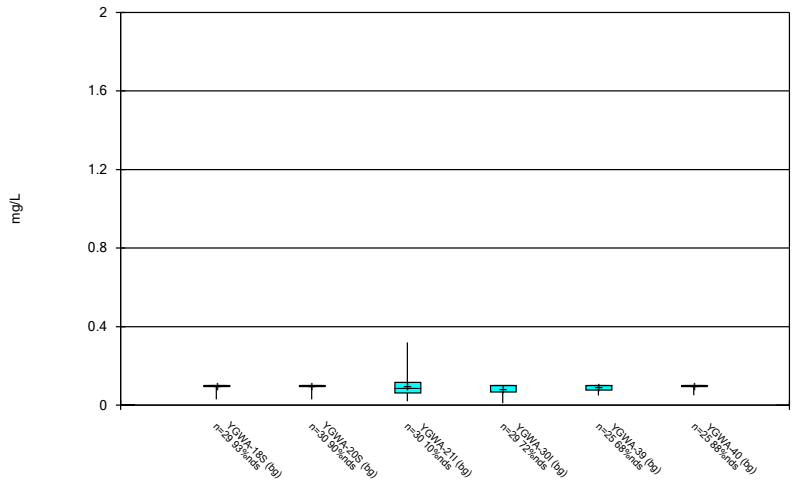
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

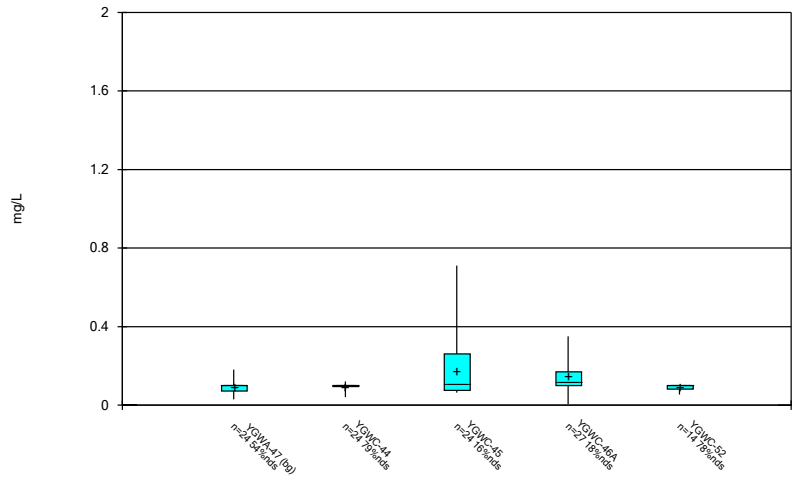
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

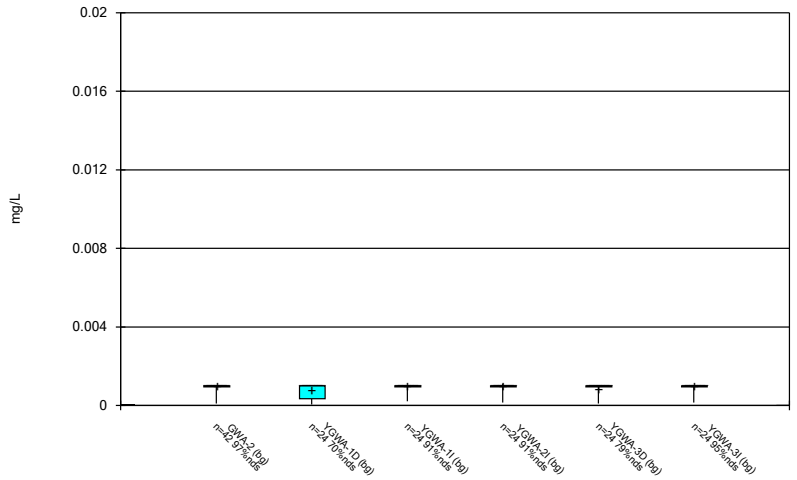
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

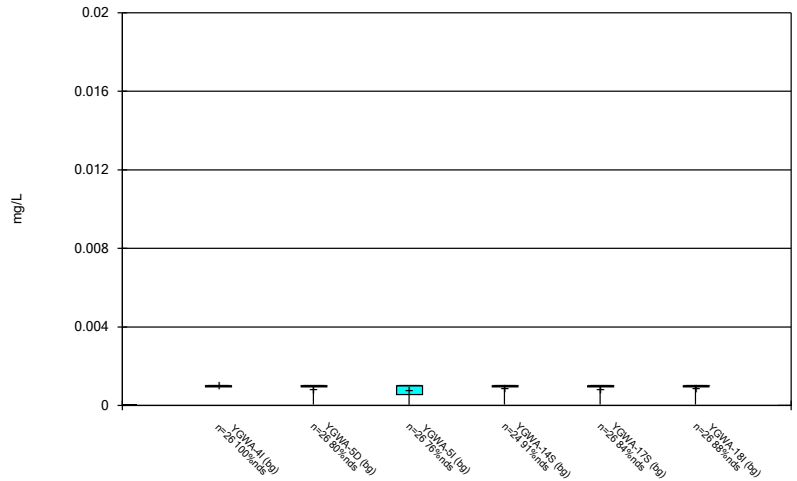


Constituent: Lead Analysis Run 2/10/2026 10:40 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

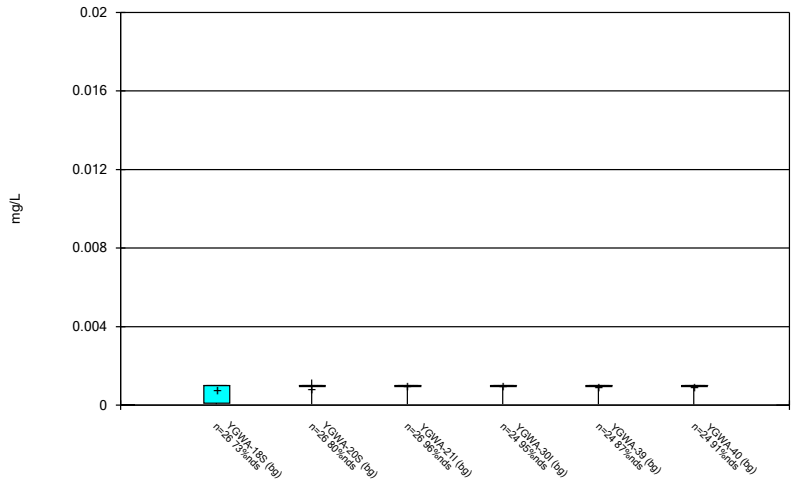


Constituent: Lead Analysis Run 2/10/2026 10:40 AM

Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

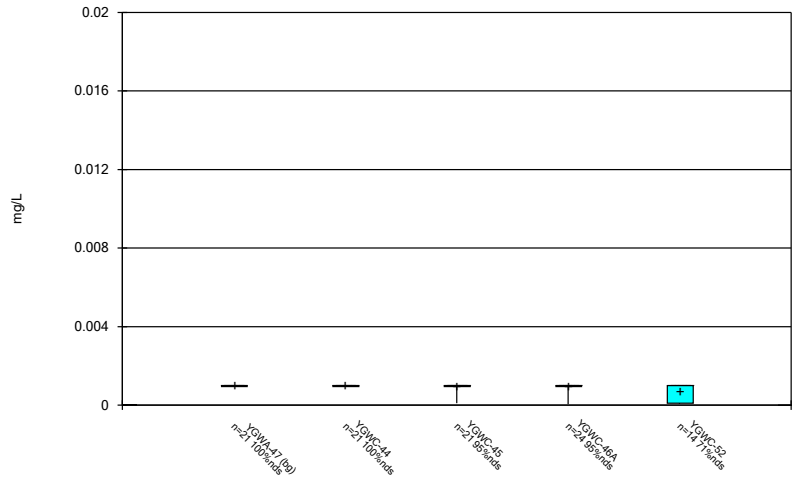


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Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

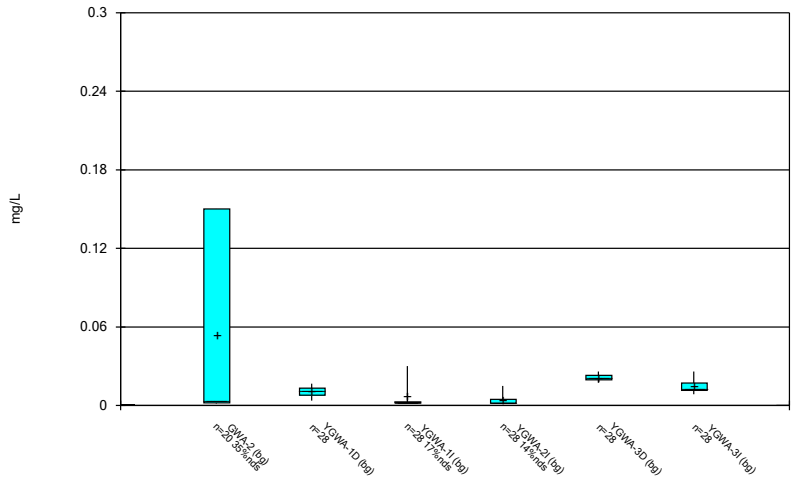


Constituent: Lead Analysis Run 2/10/2026 10:40 AM

Plant Yates Client: Southern Company Data: Yates AP-1

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Box & Whiskers Plot

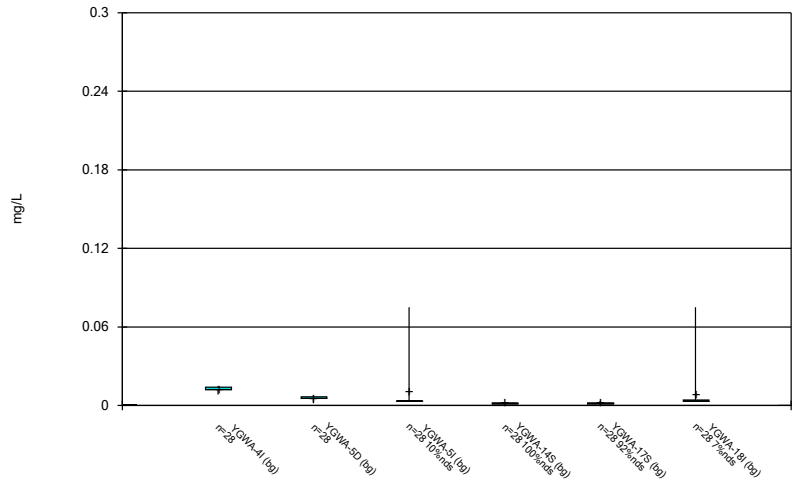


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Plant Yates Client: Southern Company Data: Yates AP-1

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Box & Whiskers Plot

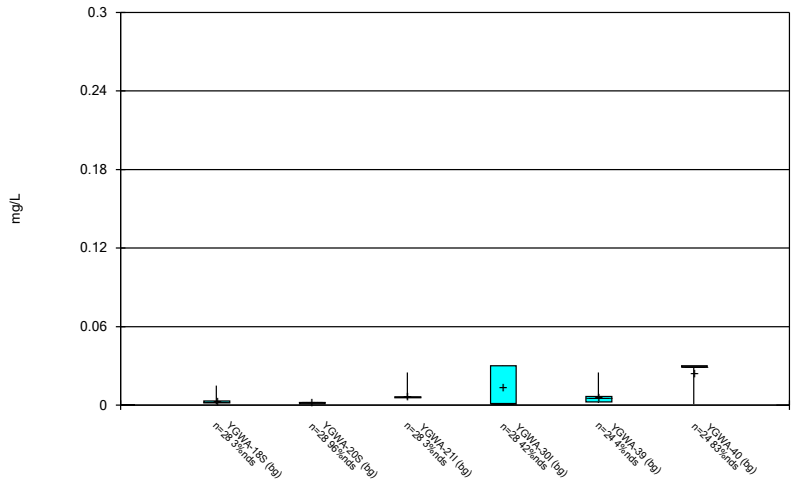


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Plant Yates Client: Southern Company Data: Yates AP-1

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Box & Whiskers Plot

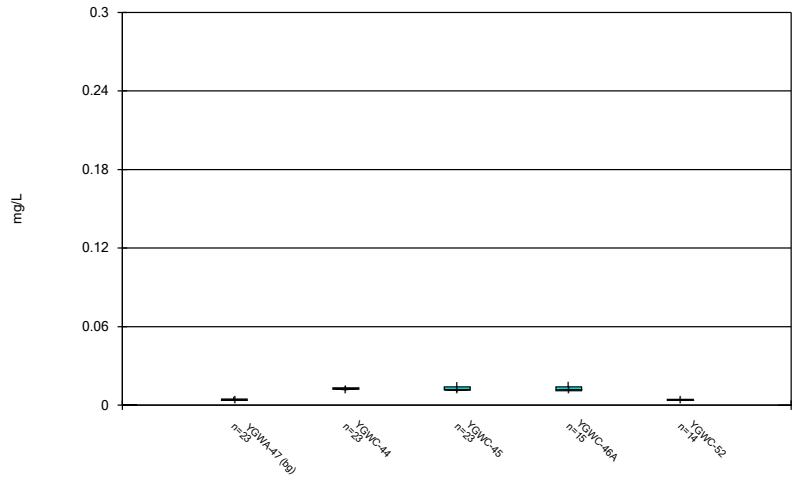


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Box & Whiskers Plot

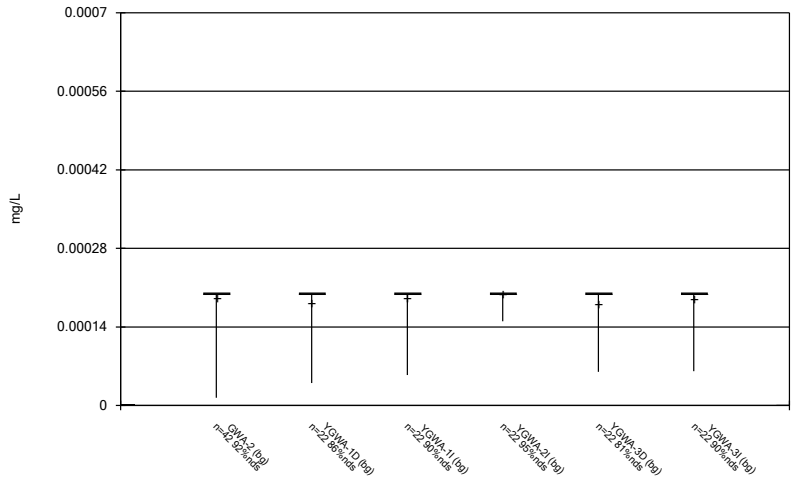


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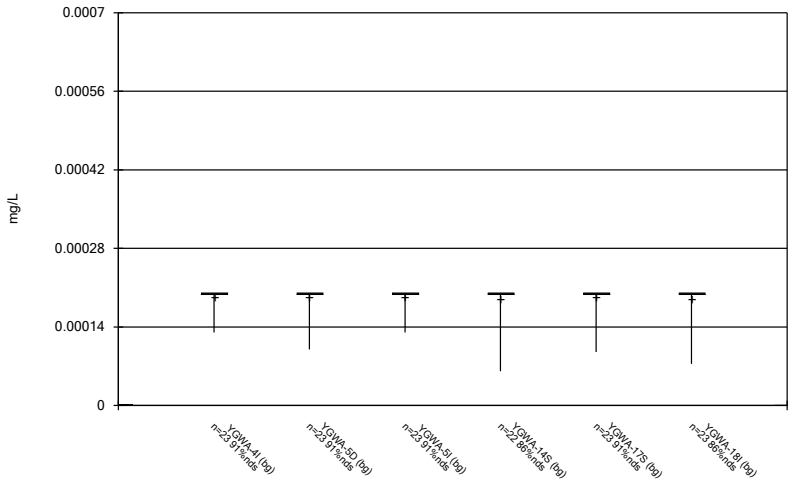
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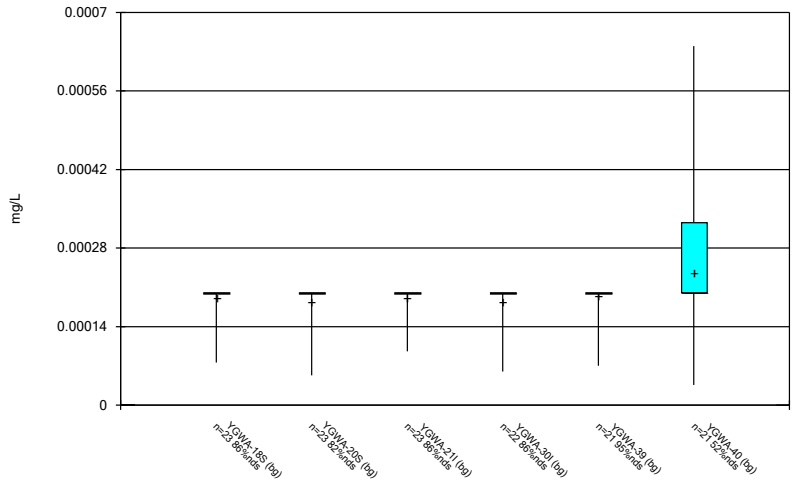
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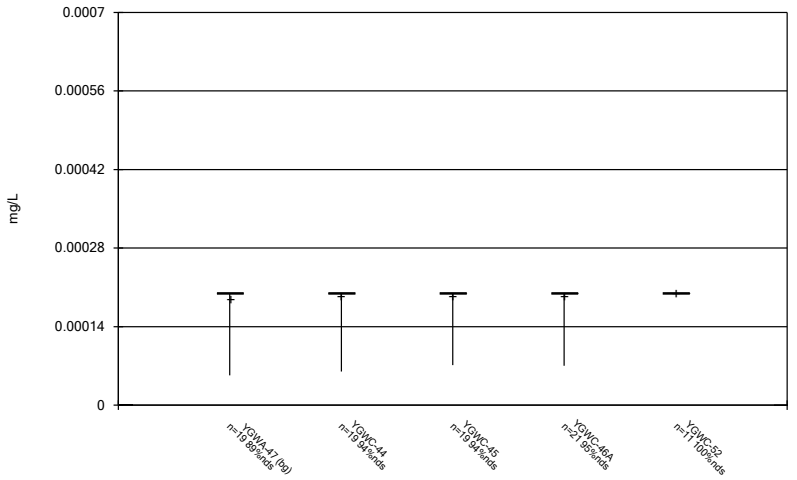
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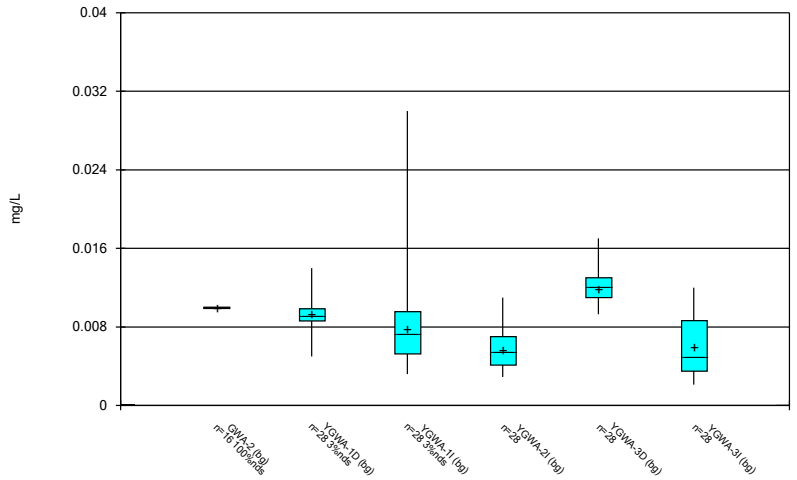
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Plant Yates Client: Southern Company Data: Yates AP-1

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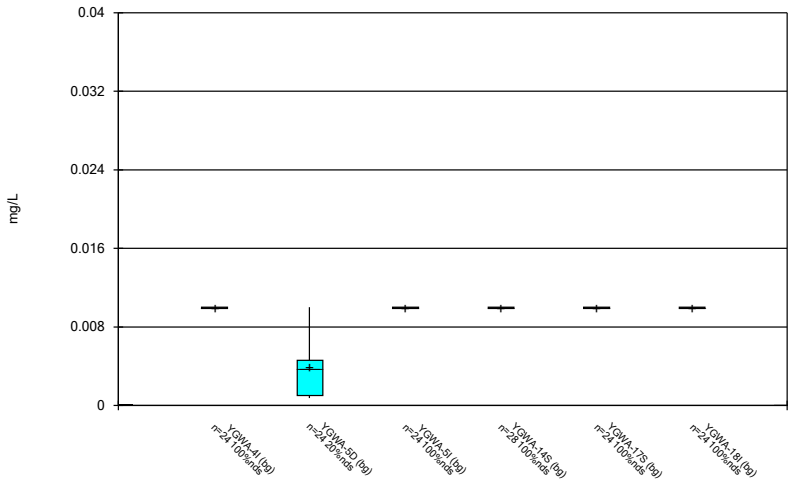
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Plant Yates Client: Southern Company Data: Yates AP-1

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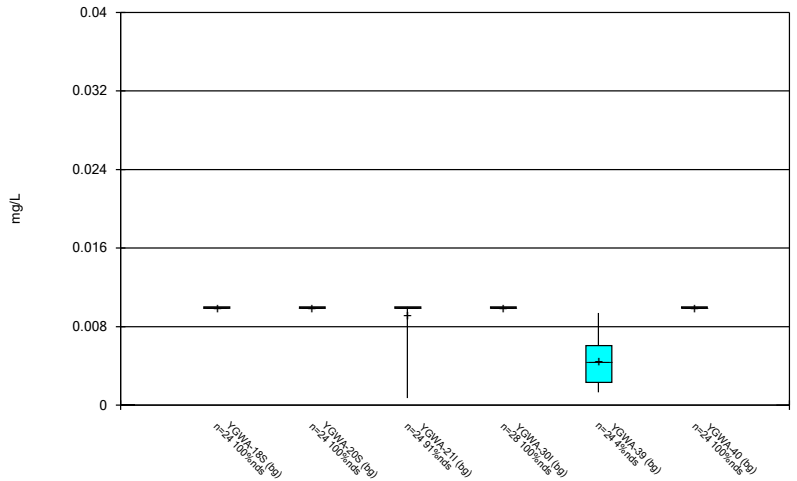
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Plant Yates Client: Southern Company Data: Yates AP-1

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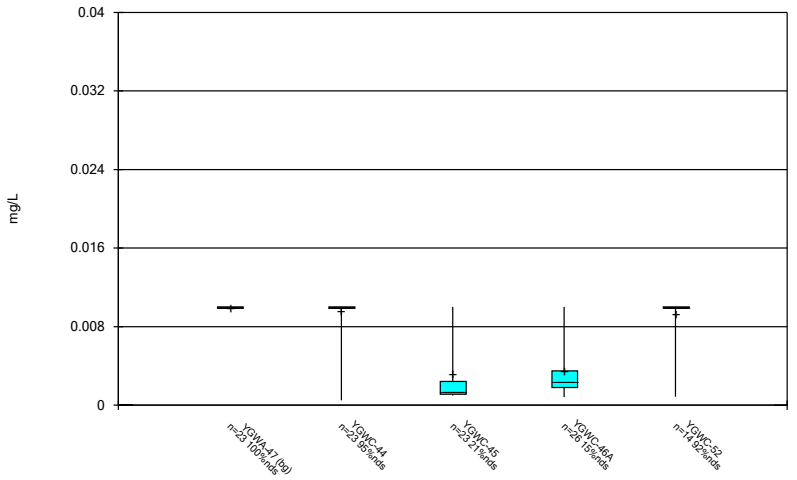
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Constituent: Molybdenum Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

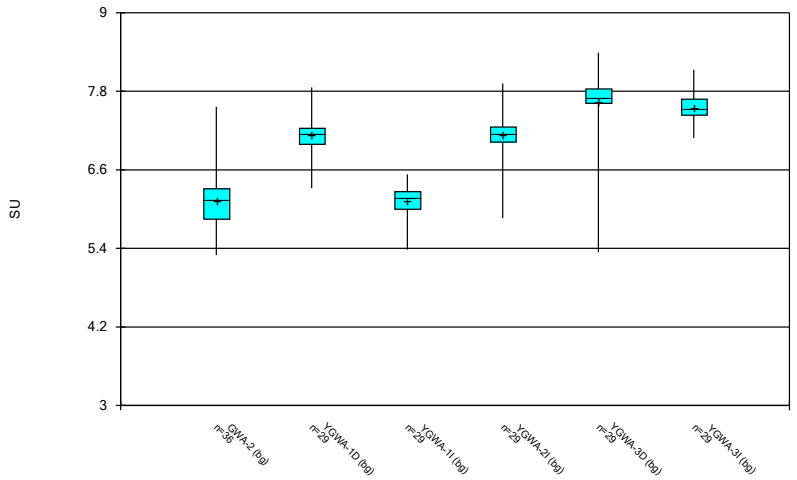
Box & Whiskers Plot



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Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

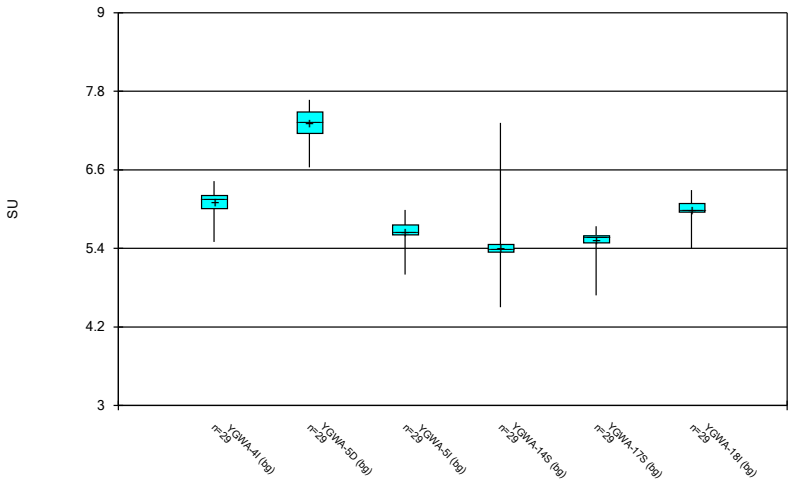
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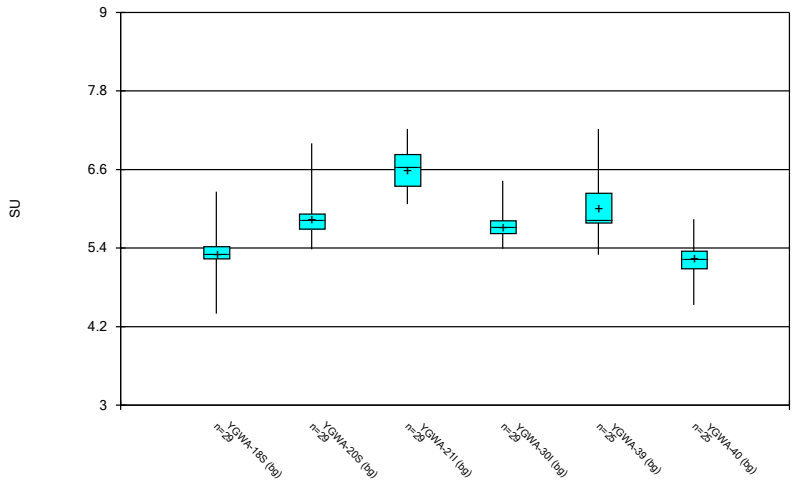
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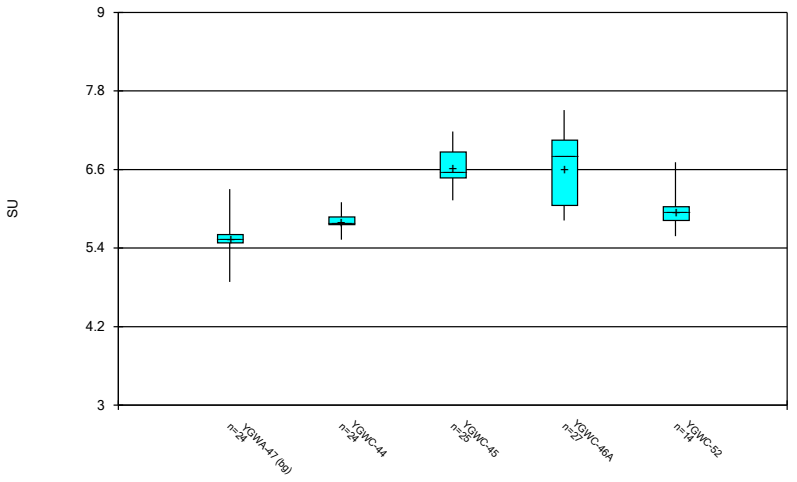
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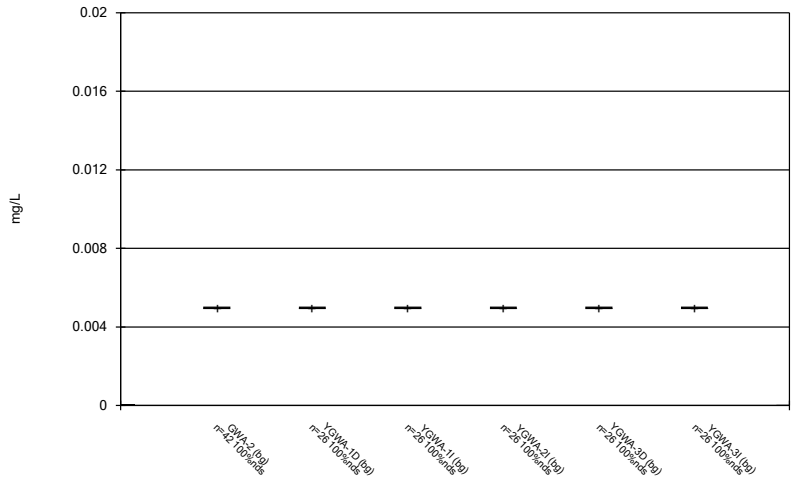
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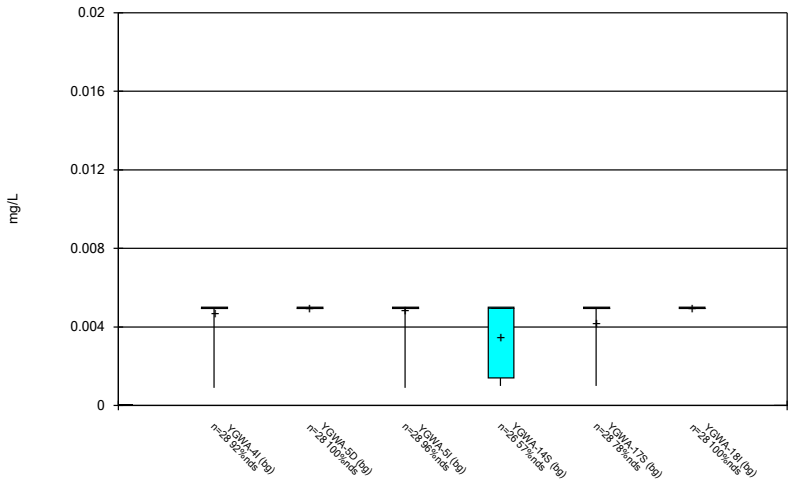
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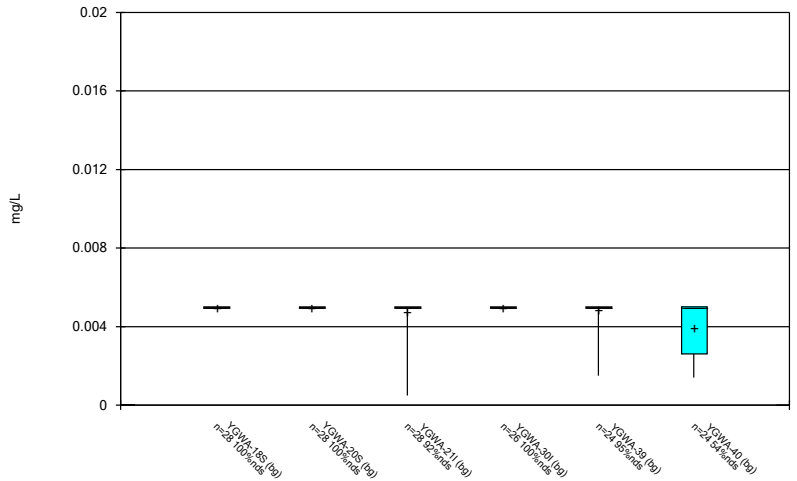
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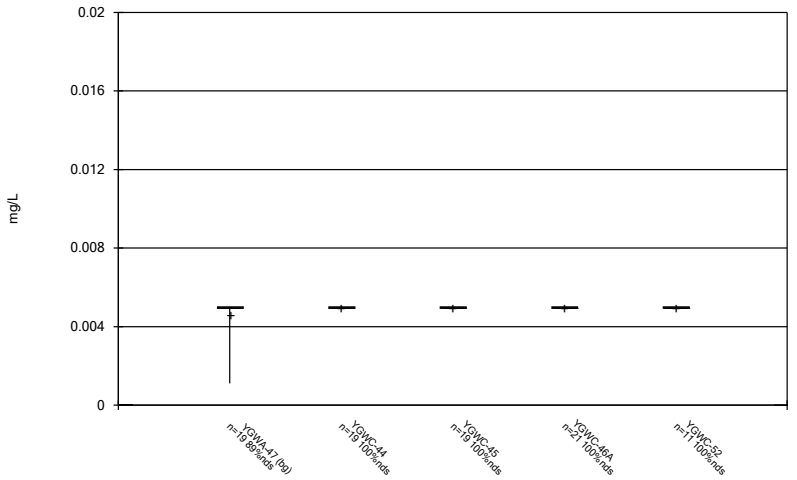
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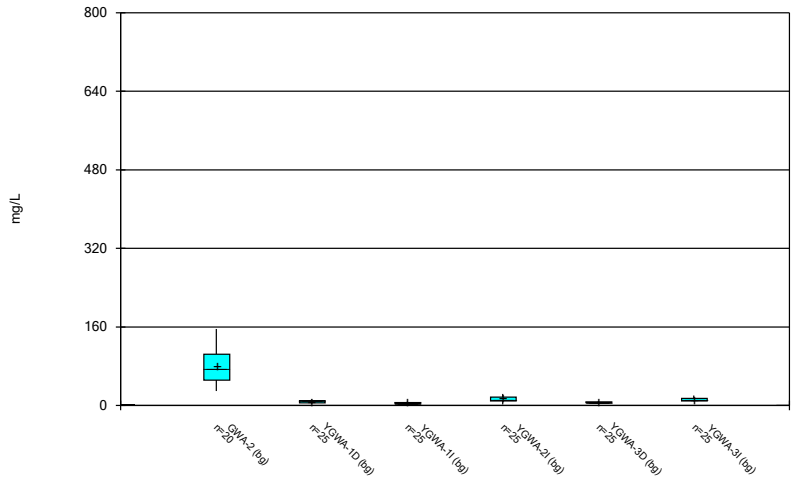
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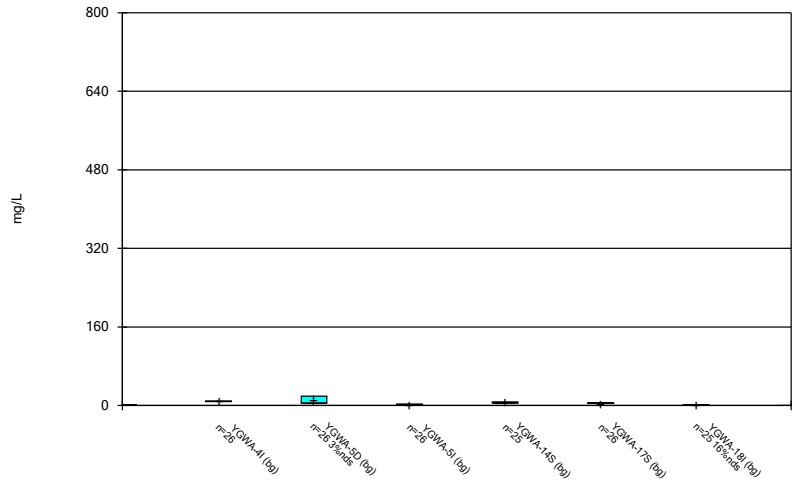
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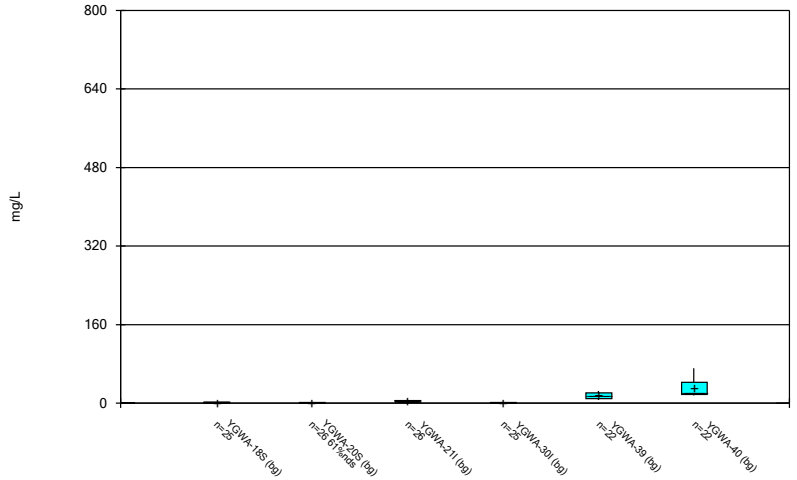
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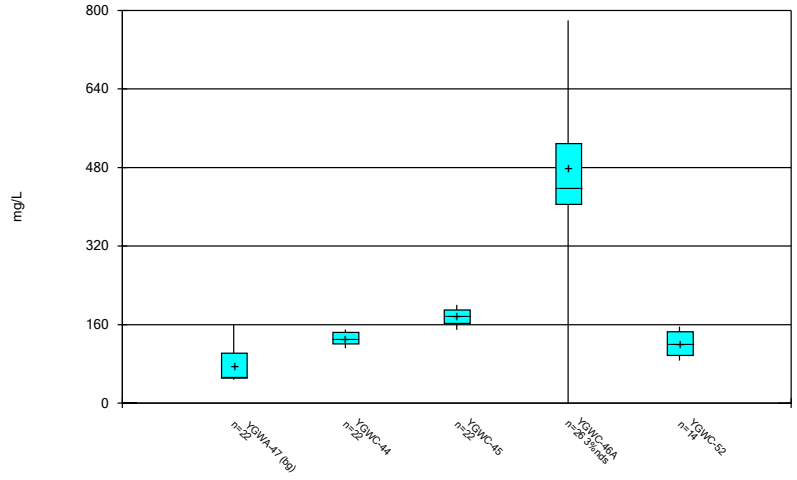
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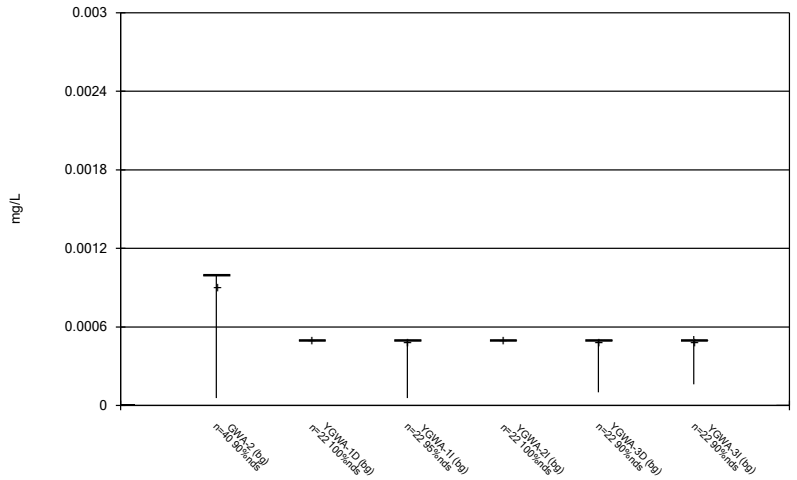
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Plant Yates Client: Southern Company Data: Yates AP-1

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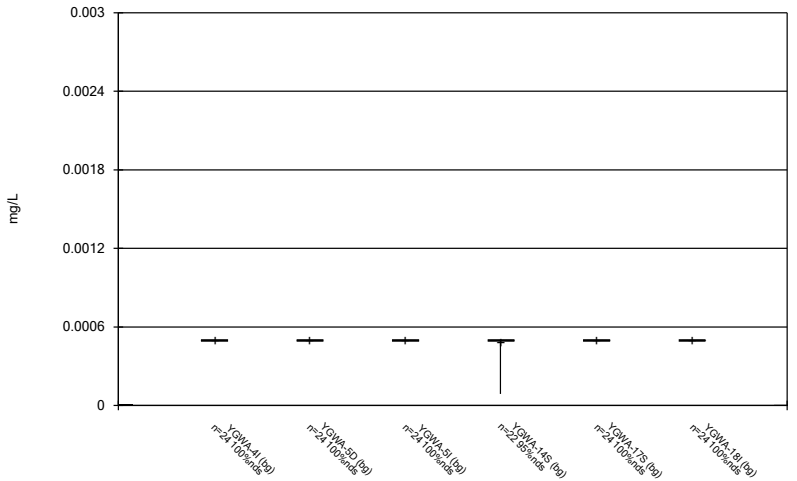
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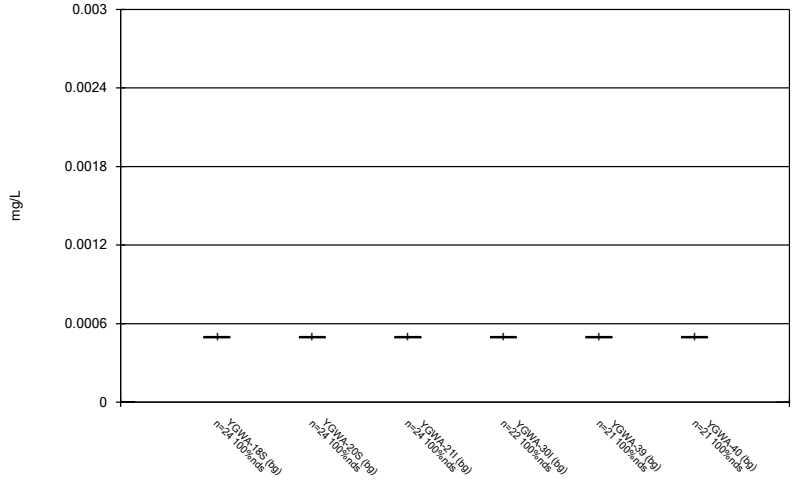
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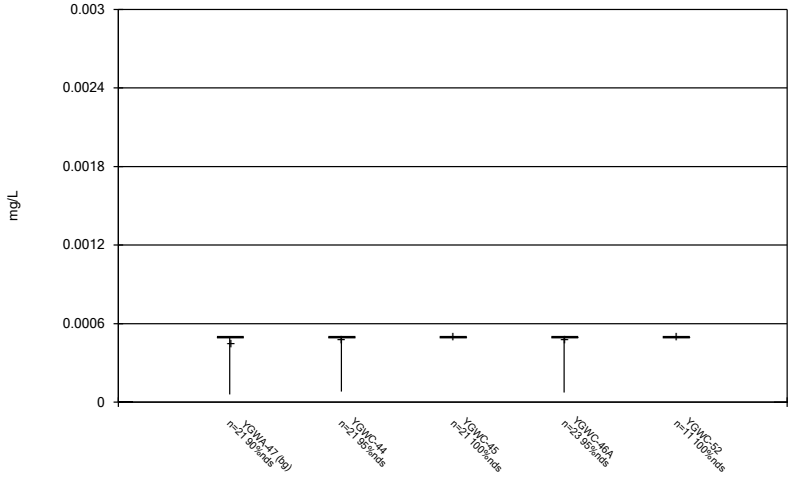
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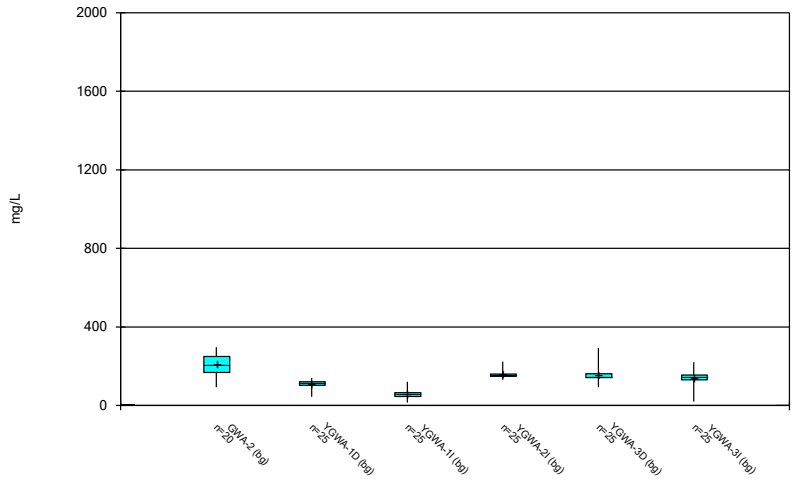
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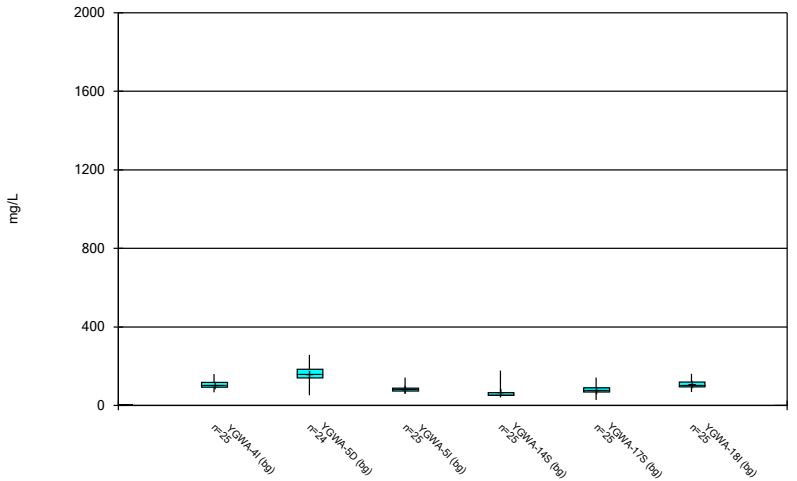
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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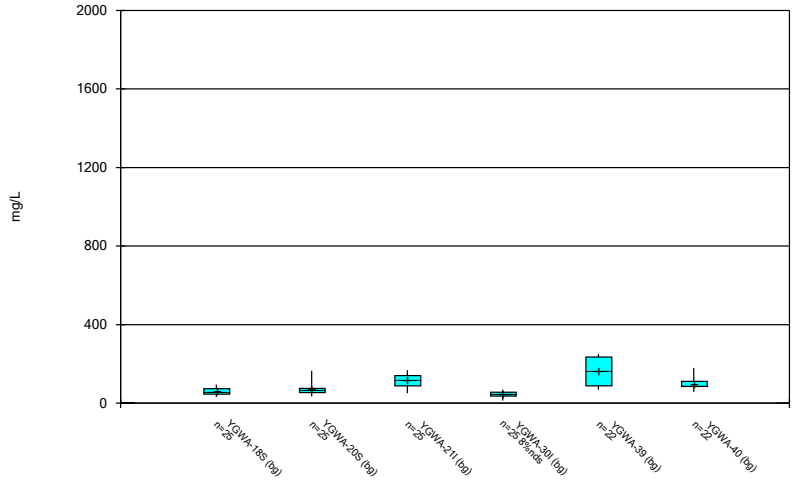
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Constituent: Total Dissolved Solids [TDS] Analysis Run 2/10/2026 10:40 AM
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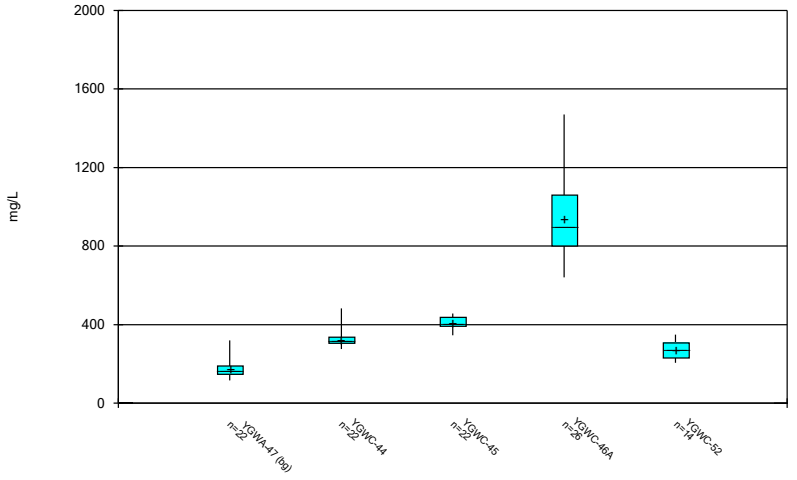
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Constituent: Total Dissolved Solids [TDS] Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

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Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/10/2026 10:40 AM
Plant Yates Client: Southern Company Data: Yates AP-1

FIGURE C.

Outlier Summary

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 10/13/2025, 1:08 PM

	GWA-2 Cobalt (mg/L)	YGWA-21I Cobalt (mg/L)	YGWA-5D Total Dissolved Solids [TDS] (mg/L)
8/26/2020	0.2 (O)		
9/22/2020	0.16 (O)		
3/2/2021	0.21 (O)		
8/20/2021	0.074 (O)		
2/8/2022	0.072 (O)		
8/30/2022	0.075 (O)		
2/20/2024			639 (O)
2/25/2025		0.041 (o)	

FIGURE D.

Appendix III Interwell Prediction Limits - Significant Results

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 2/10/2026, 10:47 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)	**YGWC-44**	**0.16**	**n/a**	**8/12/2025**	**0.66**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**YGWC-45**	**0.16**	**n/a**	**8/13/2025**	**0.39**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**YGWC-46A**	**0.16**	**n/a**	**8/13/2025**	**2.8**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**YGWC-45**	**37**	**n/a**	**8/13/2025**	**63.3**	**Yes**	**467**	**n/a**	**n/a**	**0.6424**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**YGWC-46A**	**37**	**n/a**	**8/13/2025**	**130**	**Yes**	**467**	**n/a**	**n/a**	**0.6424**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**YGWC-46A**	**12.7**	**n/a**	**8/13/2025**	**35.6**	**Yes**	**466**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**YGWC-45**	**160**	**n/a**	**8/13/2025**	**165**	**Yes**	**467**	**n/a**	**n/a**	**4.497**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**YGWC-46A**	**160**	**n/a**	**8/13/2025**	**455**	**Yes**	**467**	**n/a**	**n/a**	**4.497**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**YGWC-45**	**319**	**n/a**	**8/13/2025**	**457**	**Yes**	**460**	**n/a**	**n/a**	**0.4348**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**YGWC-46A**	**319**	**n/a**	**8/13/2025**	**1010**	**Yes**	**460**	**n/a**	**n/a**	**0.4348**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 2/10/2026, 10:47 AM

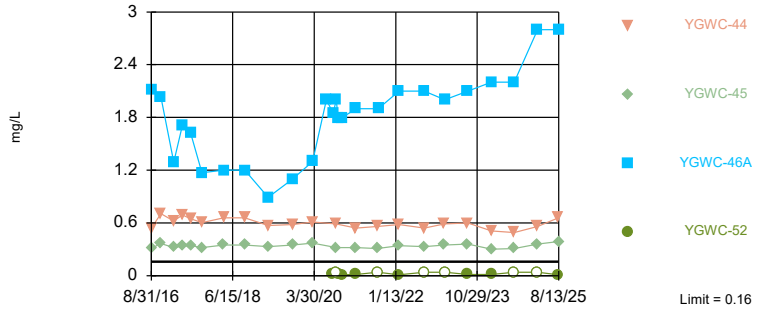
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**YGWC-44**	**0.16**	**n/a**	**8/12/2025**	**0.66**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**YGWC-45**	**0.16**	**n/a**	**8/13/2025**	**0.39**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**YGWC-46A**	**0.16**	**n/a**	**8/13/2025**	**2.8**	**Yes**	**461**	**n/a**	**n/a**	**51.84**	**n/a**	**n/a**	**0.00004922**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	YGWC-52	0.16	n/a	8/12/2025	0.0088J	No	461	n/a	n/a	51.84	n/a	n/a	0.00004922	NP Inter (NDs) 1 of 2
Calcium (mg/L)	YGWC-44	37	n/a	8/12/2025	27.9	No	467	n/a	n/a	0.6424	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Calcium (mg/L)	**YGWC-45**	**37**	**n/a**	**8/13/2025**	**63.3**	**Yes**	**467**	**n/a**	**n/a**	**0.6424**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**YGWC-46A**	**37**	**n/a**	**8/13/2025**	**130**	**Yes**	**467**	**n/a**	**n/a**	**0.6424**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	YGWC-52	37	n/a	8/12/2025	33	No	467	n/a	n/a	0.6424	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Chloride (mg/L)	YGWC-44	12.7	n/a	8/12/2025	12	No	466	n/a	n/a	0	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Chloride (mg/L)	YGWC-45	12.7	n/a	8/13/2025	7.5	No	466	n/a	n/a	0	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Chloride (mg/L)	**YGWC-46A**	**12.7**	**n/a**	**8/13/2025**	**35.6**	**Yes**	**466**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	YGWC-52	12.7	n/a	8/12/2025	3.1	No	466	n/a	n/a	0	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Fluoride (mg/L)	YGWC-44	1.1	n/a	8/12/2025	0.1ND	No	536	n/a	n/a	54.66	n/a	n/a	0.00004922	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	YGWC-45	1.1	n/a	8/13/2025	0.11	No	536	n/a	n/a	54.66	n/a	n/a	0.00004922	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	YGWC-46A	1.1	n/a	8/13/2025	0.11	No	536	n/a	n/a	54.66	n/a	n/a	0.00004922	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	YGWC-52	1.1	n/a	8/12/2025	0.1ND	No	536	n/a	n/a	54.66	n/a	n/a	0.00004922	NP Inter (NDs) 1 of 2
pH, Field (SU)	YGWC-44	8.39	4.4	8/12/2025	5.94	No	545	n/a	n/a	0	n/a	n/a	0.00009844	NP Inter (normality) 1 of 2
pH, Field (SU)	YGWC-45	8.39	4.4	8/13/2025	6.77	No	545	n/a	n/a	0	n/a	n/a	0.00009844	NP Inter (normality) 1 of 2
pH, Field (SU)	YGWC-46A	8.39	4.4	8/13/2025	7.05	No	545	n/a	n/a	0	n/a	n/a	0.00009844	NP Inter (normality) 1 of 2
pH, Field (SU)	YGWC-52	8.39	4.4	8/13/2025	6.06	No	545	n/a	n/a	0	n/a	n/a	0.00009844	NP Inter (normality) 1 of 2
Sulfate (mg/L)	YGWC-44	160	n/a	8/12/2025	120	No	467	n/a	n/a	4.497	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**YGWC-45**	**160**	**n/a**	**8/13/2025**	**165**	**Yes**	**467**	**n/a**	**n/a**	**4.497**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**YGWC-46A**	**160**	**n/a**	**8/13/2025**	**455**	**Yes**	**467**	**n/a**	**n/a**	**4.497**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	YGWC-52	160	n/a	8/12/2025	97.6	No	467	n/a	n/a	4.497	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	YGWC-44	319	n/a	8/12/2025	315	No	460	n/a	n/a	0.4348	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	**YGWC-45**	**319**	**n/a**	**8/13/2025**	**457**	**Yes**	**460**	**n/a**	**n/a**	**0.4348**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	**YGWC-46A**	**319**	**n/a**	**8/13/2025**	**1010**	**Yes**	**460**	**n/a**	**n/a**	**0.4348**	**n/a**	**n/a**	**0.00004922**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids [TDS] (mg/L)	YGWC-52	319	n/a	8/12/2025	220	No	460	n/a	n/a	0.4348	n/a	n/a	0.00004922	NP Inter (normality) 1 of 2

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Hollow symbols indicate censored values.

Exceeds Limit: YGWC-44, YGWC-45, YGWC-46A

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 461 background values. 51.84% NDs. Annual per-constituent alpha = 0.0003937. Individual comparison alpha = 0.00004922 (1 of 2). Comparing 4 points to limit.

Constituent: Boron Analysis Run 2/10/2026 10:45 AM View: Appendix III Interwell

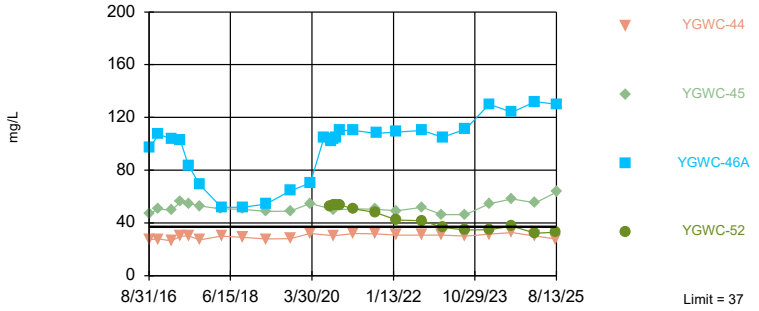
Plant Yates Client: Southern Company Data: Yates AP-1

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Exceeds Limit: YGWC-45, YGWC-46A

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 467 background values. 0.6424% NDs. Annual per-constituent alpha = 0.0003937. Individual comparison alpha = 0.00004922 (1 of 2). Comparing 4 points to limit.

Constituent: Calcium Analysis Run 2/10/2026 10:45 AM View: Appendix III Interwell

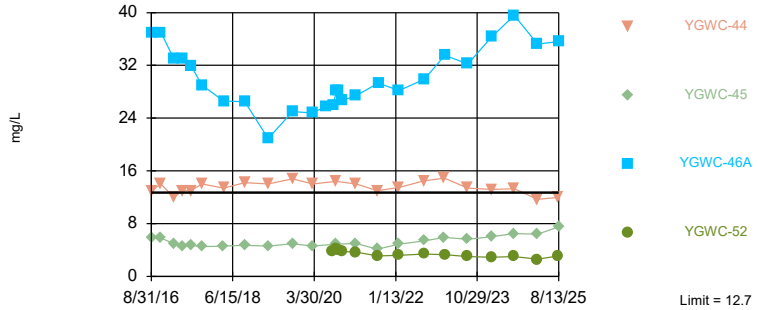
Plant Yates Client: Southern Company Data: Yates AP-1

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Exceeds Limit: YGWC-46A

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 466 background values. Annual per-constituent alpha = 0.0003937. Individual comparison alpha = 0.00004922 (1 of 2). Comparing 4 points to limit.

Constituent: Chloride Analysis Run 2/10/2026 10:45 AM View: Appendix III Interwell

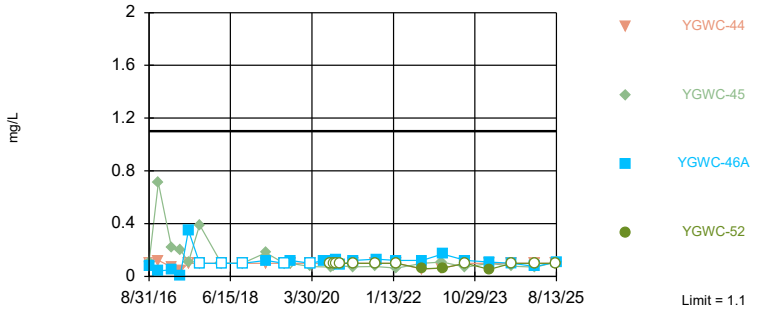
Plant Yates Client: Southern Company Data: Yates AP-1

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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 536 background values. 54.66% NDs. Annual per-constituent alpha = 0.0003937. Individual comparison alpha = 0.00004922 (1 of 2). Comparing 4 points to limit.

Constituent: Fluoride Analysis Run 2/10/2026 10:45 AM View: Appendix III Interwell

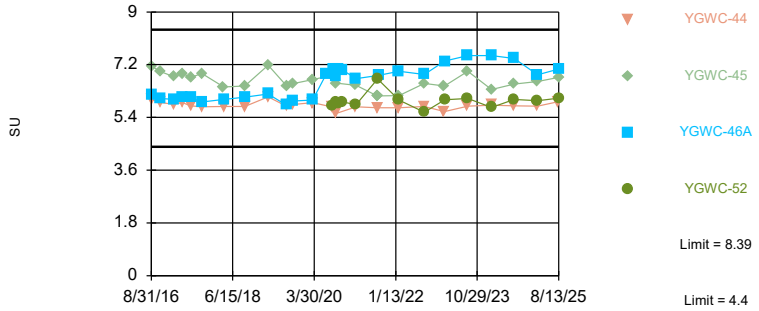
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Within Limits

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 545 background values. Annual per-constituent alpha = 0.0007874. Individual comparison alpha = 0.00009844 (1 of 2). Comparing 4 points to limit.

Constituent: pH, Field Analysis Run 2/10/2026 10:45 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

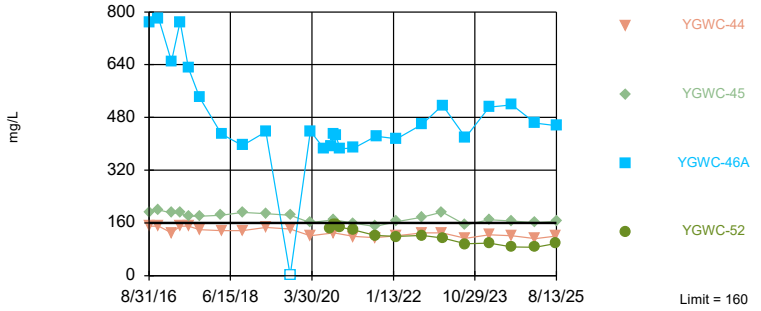
Sanitas™ v.10.1.03a Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Exceeds Limit: YGWC-45, YGWC-46A

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 467 background values. 4.497% NDs. Annual per-constituent alpha = 0.0003937. Individual comparison alpha = 0.00004922 (1 of 2). Comparing 4 points to limit.

Constituent: Sulfate Analysis Run 2/10/2026 10:45 AM View: Appendix III Interwell

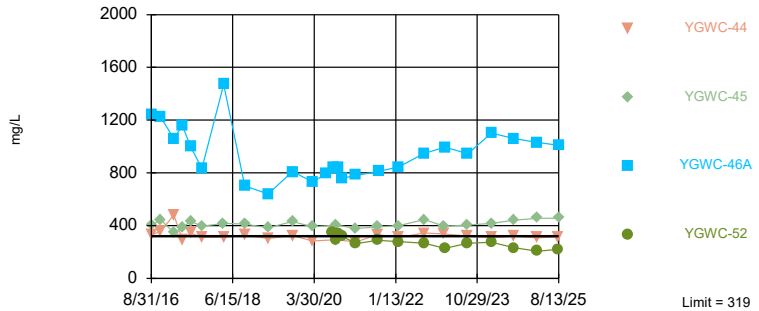
Plant Yates Client: Southern Company Data: Yates AP-1

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Exceeds Limit: YGWC-45, YGWC-46A

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 460 background values. 0.4348% NDs. Annual per-constituent alpha = 0.0003937. Individual comparison alpha = 0.00004922 (1 of 2). Comparing 4 points to limit.

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/10/2026 10:45 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3I (bg)	YGWA-3D (bg)	YGWA-4I (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-14S (bg)	YGWA-5I (bg)
6/1/2016	<0.04	<0.04	<0.04						
6/2/2016				<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
6/6/2016									
6/7/2016									
7/25/2016	<0.04		<0.04			<0.04			
7/26/2016		0.0055 (J)		0.0097 (J)	0.0047 (J)		0.0052 (J)	0.0177 (J)	<0.04
7/27/2016									
7/28/2016									
8/30/2016									
8/31/2016									
9/1/2016									
9/13/2016	<0.04	<0.04							
9/14/2016			<0.04		<0.04		0.0071 (J)		0.01 (J)
9/15/2016				0.0102 (J)				0.0214 (J)	
9/16/2016									
9/19/2016						<0.04			
11/1/2016		0.0086 (J)	<0.04	<0.04		<0.04			
11/2/2016					<0.04		<0.04	0.0151 (J)	
11/3/2016									
11/4/2016	<0.04								<0.04
11/14/2016									
11/15/2016									
11/16/2016									
11/28/2016									
12/15/2016									
1/10/2017								0.0198 (J)	
1/11/2017		0.0074 (J)	<0.04	<0.04					
1/12/2017							0.0076 (J)		<0.04
1/13/2017					<0.04				
1/16/2017	<0.04					<0.04			
2/21/2017						<0.04			
2/22/2017									
2/24/2017									
2/27/2017									
2/28/2017									
3/1/2017			0.0063 (J)						
3/2/2017	<0.04	0.008 (J)		0.0084 (J)					
3/3/2017									
3/6/2017					<0.04				
3/7/2017							0.0089 (J)		<0.04
3/8/2017								0.0189 (J)	
4/26/2017			<0.04	<0.04		<0.04		0.0161 (J)	
4/27/2017	<0.04	0.0066 (J)							
4/28/2017									
5/1/2017					<0.04		0.0061 (J)		
5/2/2017									<0.04
5/8/2017									
5/9/2017									
5/26/2017									
6/27/2017	0.006 (J)	0.0087 (J)					0.0079 (J)		<0.04
6/28/2017			<0.04	<0.04					
6/29/2017					<0.04				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3I (bg)	YGWA-3D (bg)	YGWA-4I (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-14S (bg)	YGWA-5I (bg)
6/30/2017						<0.04		0.0173 (J)	
7/11/2017									
7/13/2017									
7/17/2017									
10/3/2017	0.0071 (J)	0.0072 (J)					0.0094 (J)		<0.04
10/4/2017			<0.04	<0.04		<0.04			
10/5/2017					<0.04			0.0173 (J)	
10/10/2017									
10/11/2017									
10/12/2017									
10/16/2017									
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018									
2/20/2018									
4/2/2018									
4/3/2018									
4/4/2018									
6/5/2018		0.0052 (J)							
6/6/2018	<0.04						0.0098 (J)		
6/7/2018				0.004 (J)	0.0045 (J)				<0.04
6/8/2018			<0.04					0.013 (J)	
6/11/2018						0.014 (J)			
6/28/2018									
8/6/2018									
8/7/2018									
9/19/2018									
9/24/2018									
9/25/2018									
9/26/2018					0.005 (J)		0.01 (J)		0.0057 (J)
10/1/2018	0.0049 (J)	0.021 (J)	<0.04	<0.04				0.015 (J)	
10/2/2018						<0.04			
2/25/2019									
3/26/2019									
3/27/2019									
3/28/2019	<0.04	0.005 (J)							
3/29/2019								0.014 (J)	
4/1/2019			<0.04	<0.04		<0.04			
4/2/2019									
4/3/2019					0.0055 (J)		0.0076 (J)		0.0044 (J)
6/12/2019									
9/24/2019	0.0055 (J)	0.0064 (J)					0.01 (J)		0.0049 (J)
9/25/2019			<0.04	0.0054 (J)	<0.04	<0.04		0.018 (J)	
9/26/2019									
10/8/2019									
10/9/2019									
3/17/2020									
3/18/2020	0.0087 (J)							0.02 (J)	
3/19/2020		0.0085 (J)	0.0053 (J)	0.0073 (J)		0.0052 (J)			
3/24/2020							0.011 (J)		0.0068 (J)
3/25/2020					0.011 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3I (bg)	YGWA-3D (bg)	YGWA-4I (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-14S (bg)	YGWA-5I (bg)
7/6/2020									
8/27/2020									
8/28/2020									
9/22/2020					<0.04		0.0079 (J)		0.0053 (J)
9/23/2020	<0.04	<0.04	0.0073 (J)	0.012 (J)					
9/24/2020						0.0075 (J)			
9/25/2020								0.02 (J)	
10/7/2020									
11/12/2020									
3/1/2021						<0.04			
3/2/2021							0.0068 (J)	0.017 (J)	0.011 (J)
3/3/2021	<0.04	<0.04	<0.04	<0.04	0.0056 (J)				
3/4/2021									
8/19/2021	<0.04	<0.04		<0.04		<0.04		0.018 (J)	
8/20/2021									
8/26/2021					<0.04		0.009 (J)		<0.04
8/27/2021			<0.04						
9/1/2021									
9/3/2021									
2/8/2022									
2/9/2022	<0.04	<0.04	<0.04	0.01 (J)					
2/10/2022							0.011 (J)	0.02 (J)	<0.04
2/11/2022					<0.04	<0.04			
8/30/2022		<0.04					0.0098 (J)		<0.04
8/31/2022	<0.04		<0.04	<0.04	<0.04	<0.04		0.015 (J)	
2/7/2023	<0.04	<0.04					<0.04		
2/8/2023			<0.04	<0.04		<0.04		0.015 (J)	
2/9/2023					<0.04				<0.04
2/10/2023									
8/15/2023	0.0094 (J)	<0.04		<0.04	<0.04		<0.04	0.017 (J)	<0.04
8/16/2023			<0.04			<0.04			
2/20/2024	0.014 (J)	0.015 (J)	<0.04	<0.04	<0.04	<0.04	<0.04		<0.04
2/21/2024									
2/23/2024								0.037 (J)	
8/20/2024	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.014 (J)	<0.04
8/21/2024									
8/22/2024									
2/25/2025	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0078 (J)	0.018 (J)	<0.04
2/26/2025									
8/12/2025	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.012 (J)	0.021 (J)	0.0066 (J)
8/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-17S (bg)	YGWA-21I (bg)	YGWA-20S (bg)	YGWA-47 (bg)	GWA-2 (bg)	YGWC-44	YGWC-45
6/1/2016									
6/2/2016									
6/6/2016	<0.04	<0.04							
6/7/2016			0.036 (J)	<0.04	<0.04				
7/25/2016									
7/26/2016									
7/27/2016	<0.04	0.0059 (J)	0.008 (J)		<0.04				
7/28/2016				0.0096 (J)					
8/30/2016						0.0166 (J)			
8/31/2016							0.0315 (J)	0.541	0.308
9/1/2016									
9/13/2016									
9/14/2016									
9/15/2016									
9/16/2016		0.0079 (J)	0.0086 (J)						
9/19/2016	<0.04			<0.04	<0.04				
11/1/2016									
11/2/2016					<0.04				
11/3/2016	<0.04	0.0082 (J)	0.0077 (J)	<0.04					
11/4/2016									
11/14/2016						0.0166 (J)			0.368
11/15/2016								0.706	
11/16/2016									
11/28/2016							0.0095 (J)		
12/15/2016									
1/10/2017									
1/11/2017	<0.04	0.0096 (J)	0.0092 (J)						
1/12/2017									
1/13/2017				<0.04	<0.04				
1/16/2017									
2/21/2017									
2/22/2017							<0.04		
2/24/2017						0.0145 (J)			
2/27/2017									0.321
2/28/2017								0.623	
3/1/2017	<0.04	0.0098 (J)							
3/2/2017			0.0095 (J)						
3/3/2017									
3/6/2017				<0.04	<0.04				
3/7/2017									
3/8/2017									
4/26/2017	<0.04	0.0091 (J)		<0.04	<0.04				
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017			<0.04						
5/8/2017						0.0141 (J)	0.0084 (J)	0.69	
5/9/2017									0.338
5/26/2017									
6/27/2017									
6/28/2017	<0.04	0.0079 (J)							
6/29/2017			0.0074 (J)	<0.04	<0.04				

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-17S (bg)	YGWA-21I (bg)	YGWA-20S (bg)	YGWA-47 (bg)	GWA-2 (bg)	YGWC-44	YGWC-45
6/30/2017									
7/11/2017						0.0131 (J)			
7/13/2017								0.649	0.34
7/17/2017							0.0092 (J)		
10/3/2017				<0.04					
10/4/2017		0.009 (J)	0.0077 (J)		<0.04				
10/5/2017	<0.04								
10/10/2017						0.0124 (J)		0.603	0.319
10/11/2017									
10/12/2017									
10/16/2017							<0.04		
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018							<0.04		
2/20/2018									
4/2/2018						0.013 (J)			
4/3/2018									0.35
4/4/2018								0.66	
6/5/2018				0.0092 (J)					
6/6/2018					0.0049 (J)				
6/7/2018	<0.04								
6/8/2018									
6/11/2018		0.0093 (J)	0.01 (J)						
6/28/2018									
8/6/2018							<0.04		
8/7/2018									
9/19/2018						0.012 (J)		0.66	0.35
9/24/2018									
9/25/2018	0.0046 (J)	0.007 (J)	0.0096 (J)	0.0054 (J)	<0.04				
9/26/2018									
10/1/2018									
10/2/2018									
2/25/2019							<0.04		
3/26/2019									
3/27/2019						0.013 (J)		0.57	0.33
3/28/2019									
3/29/2019									
4/1/2019									
4/2/2019			0.0066 (J)	0.011 (J)					
4/3/2019	<0.04	0.0053 (J)			<0.04				
6/12/2019							<0.04		
9/24/2019				0.018 (J)					
9/25/2019			0.0081 (J)		<0.04				
9/26/2019	0.0062 (J)	0.0072 (J)							
10/8/2019						0.012 (J)	<0.04	0.58	
10/9/2019									0.35
3/17/2020						0.023 (J)	0.0051 (J)	0.61	0.37
3/18/2020									
3/19/2020									
3/24/2020	0.0054 (J)	0.01 (J)	0.0092 (J)	0.016 (J)	<0.04				
3/25/2020									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-17S (bg)	YGWA-21I (bg)	YGWA-20S (bg)	YGWA-47 (bg)	GWA-2 (bg)	YGWC-44	YGWC-45
7/6/2020									
8/27/2020									
8/28/2020									
9/22/2020						0.0076 (J)	0.0079 (J)	0.59	
9/23/2020	0.021 (J)	0.006 (J)	0.0066 (J)						0.32
9/24/2020				0.013 (J)	0.0094 (J)				
9/25/2020									
10/7/2020									
11/12/2020									
3/1/2021						0.013 (J)		0.54	0.32
3/2/2021							<0.04		
3/3/2021	<0.04	0.0094 (J)	0.01 (J)		<0.04				
3/4/2021				0.0079 (J)					
8/19/2021						0.011 (J)		0.56	0.31
8/20/2021							<0.04		
8/26/2021		<0.04							
8/27/2021	<0.04		0.011 (J)		<0.04				
9/1/2021				<0.04					
9/3/2021									
2/8/2022						0.015 (J)	<0.04		
2/9/2022	<0.04	<0.04	0.0098 (J)	<0.04	<0.04			0.58	0.34
2/10/2022									
2/11/2022									
8/30/2022	<0.04	0.014 (J)	0.013 (J)	0.012 (J)			<0.04		
8/31/2022					<0.04	0.0091 (J)		0.54	0.33
2/7/2023	<0.04	<0.04	0.014 (J)	<0.04	<0.04		<0.04		
2/8/2023						0.011 (J)		0.59	
2/9/2023									0.35
2/10/2023									
8/15/2023	<0.04	<0.04	<0.04	0.046 (J)	<0.04	<0.04	<0.04	0.6	0.36
8/16/2023									
2/20/2024	<0.04		<0.04	<0.04	<0.04	0.023 (J)	0.017 (J)		
2/21/2024								0.51	0.3
2/23/2024		0.018 (J)							
8/20/2024	<0.04		<0.04	<0.04	<0.04	<0.04			
8/21/2024		<0.04						0.49	0.31
8/22/2024									
2/25/2025	<0.04	<0.04	0.0093 (J)	0.0066 (J)	<0.04	0.014 (J)			
2/26/2025								0.56	0.36 (J)
8/12/2025	<0.04	0.0063 (J)	0.012 (J)	0.0091 (J)	<0.04	0.022 (J)		0.66	
8/13/2025									0.39

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/1/2016					
6/2/2016					
6/6/2016					
6/7/2016					
7/25/2016					
7/26/2016					
7/27/2016					
7/28/2016					
8/30/2016					
8/31/2016					
9/1/2016	2.12				
9/13/2016					
9/14/2016		<0.04			
9/15/2016					
9/16/2016					
9/19/2016					
11/1/2016					
11/2/2016					
11/3/2016					
11/4/2016		<0.04			
11/14/2016					
11/15/2016					
11/16/2016	2.03				
11/28/2016					
12/15/2016		0.0107 (J)			
1/10/2017					
1/11/2017					
1/12/2017					
1/13/2017					
1/16/2017		<0.04			
2/21/2017					
2/22/2017					
2/24/2017					
2/27/2017	1.29				
2/28/2017					
3/1/2017					
3/2/2017					
3/3/2017		<0.04			
3/6/2017					
3/7/2017					
3/8/2017					
4/26/2017					
4/27/2017					
4/28/2017		<0.04			
5/1/2017					
5/2/2017					
5/8/2017	1.71				
5/9/2017					
5/26/2017		<0.04			
6/27/2017					
6/28/2017		<0.04			
6/29/2017					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/30/2017					
7/11/2017					
7/13/2017	1.62				
7/17/2017					
10/3/2017		<0.04			
10/4/2017					
10/5/2017					
10/10/2017					
10/11/2017	1.17		0.0135 (J)		
10/12/2017				0.0401	
10/16/2017					
11/20/2017			0.0251 (J)	0.156	
1/10/2018				0.15	
1/11/2018			0.0255 (J)		
2/19/2018				0.15	
2/20/2018			<0.04		
4/2/2018					
4/3/2018			0.033 (J)	0.12	
4/4/2018	1.2				
6/5/2018					
6/6/2018					
6/7/2018		<0.04			
6/8/2018					
6/11/2018					
6/28/2018			0.053	0.16	
8/6/2018					
8/7/2018			0.024 (J)	0.12	
9/19/2018	1.2				
9/24/2018			0.028 (J)	0.099	
9/25/2018					
9/26/2018					
10/1/2018		<0.04			
10/2/2018					
2/25/2019					
3/26/2019				0.096	
3/27/2019	0.89		0.017 (J)		
3/28/2019					
3/29/2019		0.0065 (J)			
4/1/2019					
4/2/2019					
4/3/2019					
6/12/2019					
9/24/2019		0.0076 (J)			
9/25/2019					
9/26/2019					
10/8/2019					
10/9/2019	1.1		0.017 (J)	0.079	
3/17/2020	1.3				
3/18/2020					
3/19/2020		0.0073 (J)			
3/24/2020				0.088 (J)	
3/25/2020			0.043 (J)		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
7/6/2020	2				
8/27/2020					0.014 (J)
8/28/2020	1.85 (D)				
9/22/2020					<0.04
9/23/2020	2	<0.04			
9/24/2020			0.037 (J)	0.087 (J)	
9/25/2020					
10/7/2020	1.8				0.018 (J)
11/12/2020	1.8				0.012 (J)
3/1/2021					0.015 (J)
3/2/2021	1.9				
3/3/2021		<0.04			
3/4/2021			0.033 (J)	0.078	
8/19/2021					
8/20/2021					<0.04
8/26/2021			0.095		
8/27/2021	1.9	<0.04			
9/1/2021					
9/3/2021				0.077	
2/8/2022			0.13	0.074	
2/9/2022	2.1	<0.04			0.0089 (J)
2/10/2022					
2/11/2022					
8/30/2022		<0.04			
8/31/2022	2.1		0.14	0.062	<0.04
2/7/2023		<0.04	0.13		
2/8/2023				0.057	
2/9/2023					
2/10/2023	2				<0.04
8/15/2023	2.1	<0.04	0.15 (J)	0.052 (J)	0.014 (J)
8/16/2023					
2/20/2024		<0.04	0.12	0.056	
2/21/2024	2.2				0.015 (J)
2/23/2024					
8/20/2024		<0.04			
8/21/2024	2.2		0.13	0.061	
8/22/2024					<0.04
2/25/2025		<0.04	0.13	0.061	
2/26/2025	2.8				<0.04
8/12/2025		<0.04	0.13	0.063	0.0088 (J)
8/13/2025	2.8				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-3I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-14S (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-4I (bg)	YGWA-5I (bg)
6/1/2016	2.5	21	12						
6/2/2016				28	1.3	1.3	33	8.8	2.4
6/6/2016									
6/7/2016									
7/25/2016	2.16	20.3				1.17			
7/26/2016			11	24.5	1.24		32.3	7.69	2.12
7/27/2016									
7/28/2016									
8/30/2016									
8/31/2016									
9/1/2016									
9/13/2016	2.21		11.8						
9/14/2016		19.7					31	8.49	2.18
9/15/2016				27	1.17				
9/16/2016									
9/19/2016						1.05			
11/1/2016		18.4	11	25.6		1.14			
11/2/2016					1.23		30.9	7.83	
11/3/2016									
11/4/2016	2.67								2.17 (J)
11/14/2016									
11/15/2016									
11/16/2016									
11/28/2016									
12/15/2016									
1/10/2017					1.24				
1/11/2017		20.3	11.2	27.5					
1/12/2017							35.7		2.37
1/13/2017								8.08	
1/16/2017	2.45					1.23			
2/21/2017						1.25			
2/22/2017									
2/24/2017									
2/27/2017									
2/28/2017									
3/1/2017		18.6							
3/2/2017	2.57		11	27.5					
3/3/2017									
3/6/2017								8.64	
3/7/2017							32.7		2.34
3/8/2017					1.21				
4/26/2017		25.6		30.4	1.14	1.03			
4/27/2017	2.38		11.1						
4/28/2017									
5/1/2017							37	13.4	
5/2/2017									2.17
5/8/2017									
5/9/2017									
5/26/2017									
6/27/2017	2.36		13.8				36.5		2.13
6/28/2017		23.9		29.8					
6/29/2017								8.81	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-3I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-14S (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-4I (bg)	YGWA-5I (bg)
6/30/2017					1.24	1.13			
7/11/2017									
7/13/2017									
7/17/2017									
10/3/2017	2.21		14				30.9		2.15
10/4/2017		22.1		29.7		1.09			
10/5/2017					1.11			9.29	
10/10/2017									
10/11/2017									
10/12/2017									
10/16/2017									
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018									
2/20/2018									
4/2/2018									
4/3/2018									
4/4/2018									
6/5/2018			15.2 (J)						
6/6/2018	2.3						26.2		
6/7/2018				29.1				8.2	2.3
6/8/2018		21.9 (J)			1.1				
6/11/2018						1.1			
6/28/2018									
8/6/2018									
8/7/2018									
9/19/2018									
9/24/2018									
9/25/2018									
9/26/2018							25.8	9.5 (J)	2.3
10/1/2018	1.8	19.7	15.1	26.9	0.99				
10/2/2018						1.1			
2/25/2019									
3/26/2019									
3/27/2019									
3/28/2019	2.2		13.3 (J)						
3/29/2019					1.1				
4/1/2019		20.4 (J)		30.1		1.3			
4/2/2019									
4/3/2019							24.7 (J)	8.4	2.8
6/12/2019									
9/24/2019	2.3		15.8				25.8		2.5
9/25/2019		22.4		29.5	1.1	1.1		9.5	
9/26/2019									
10/8/2019									
10/9/2019									
10/10/2019							24.2	9.9	2.4
3/17/2020									
3/18/2020	2.1				1.1				
3/19/2020		21.9	15	31.5		1.2			
3/24/2020							26.1		2.5

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-3I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-14S (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-4I (bg)	YGWA-5I (bg)
3/25/2020								10.5	
7/6/2020									
8/27/2020									
8/28/2020									
9/22/2020							27.2	9.6	2.6
9/23/2020	1.8	23.6	14.1	28.6					
9/24/2020						1.1			
9/25/2020					1.3				
10/7/2020									
11/12/2020									
3/1/2021						1.2			
3/2/2021					1.2		1.6		2.6
3/3/2021	1.8	20.6	14.1	29.8				7.7	
3/4/2021									
8/19/2021	2		14.2	28.1	1.2	1.2			
8/20/2021									
8/26/2021							25.2	7.6	2.5
8/27/2021		24.7							
9/1/2021									
9/3/2021									
2/8/2022									
2/9/2022	2.1	23.7	14.9	30.3					
2/10/2022					1.3		24.8		2.5
2/11/2022						1.5		7.5	
8/30/2022			14.9				24.8		2.5
8/31/2022	1.9	23.5		28.7	1.3	1.3		8.9	
2/7/2023	2.2		15				26.6		
2/8/2023		23.3		28.9	1.5	1.3			
2/9/2023								9.6	2.8
2/10/2023									
8/15/2023	1.8		13.5	27.4	1.3		25	7.8	2.6
8/16/2023		24.9				1.4			
2/20/2024	2.2	23.7	15.3	30.7		1.3	27.2	9.9	2.7
2/21/2024									
2/23/2024					1.6				
8/20/2024	1.9	23.4	17.7	30	1.3	1.4	29.1	9.1	3.2
8/21/2024									
8/22/2024									
2/25/2025	1.8	21.2	16.4	27.9	1.3	1.4	25.9	8.1	2.8
2/26/2025									
8/12/2025	1.6	22.9	15	27.1	1.2	1.3	27.2	9.5	2.7
8/13/2025									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-21I (bg)	YGWA-17S (bg)	YGWA-20S (bg)	YGWA-47 (bg)	YGWC-44	YGWC-45	GWA-2 (bg)
6/1/2016									
6/2/2016									
6/6/2016	6.2	1.4							
6/7/2016			3.7	2.2	2.3				
7/25/2016									
7/26/2016									
7/27/2016	4.73	1.19		2	2.08				
7/28/2016			3.15						
8/30/2016						20.9			
8/31/2016							27.3	46.7	9.31
9/1/2016									
9/13/2016									
9/14/2016									
9/15/2016									
9/16/2016		1.5		1.97					
9/19/2016	4.76		3.17		1.97				
11/1/2016									
11/2/2016					2.13				
11/3/2016	5.25	1.31	3.4	1.99					
11/4/2016									
11/14/2016						18.6		50.6	
11/15/2016							27.8		
11/16/2016									
11/28/2016									9.47
12/15/2016									
1/10/2017									
1/11/2017	4.74	1.25		2.28					
1/12/2017									
1/13/2017			4.98		2.45				
1/16/2017									
2/21/2017									
2/22/2017									10.4
2/24/2017						16.1			
2/27/2017								49.4	
2/28/2017							26.4		
3/1/2017	5.37	1.26							
3/2/2017				2.15					
3/3/2017									
3/6/2017			6.28		2.48				
3/7/2017									
3/8/2017									
4/26/2017	4.28	1.05	6.65		2.3				
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017				1.95					
5/8/2017						14.6	29.9		14.2
5/9/2017								56	
5/26/2017									
6/27/2017									
6/28/2017	4.95	1.06							
6/29/2017			6.04	2.02	2.54				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-21I (bg)	YGWA-17S (bg)	YGWA-20S (bg)	YGWA-47 (bg)	YGWC-44	YGWC-45	GWA-2 (bg)
6/30/2017									
7/11/2017						14.3			
7/13/2017							30.2	54.8	
7/17/2017									14.1
10/3/2017			8.28						
10/4/2017		1.1		2.03	2.25				
10/5/2017	5.28								
10/10/2017						12.1	27.2	52.8	
10/11/2017									
10/12/2017									
10/16/2017									13.6
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018									<25
2/20/2018									
4/2/2018						<25			
4/3/2018								50.6	
4/4/2018							30.1		
6/5/2018			9.1						
6/6/2018					2.3				
6/7/2018	4.8								
6/8/2018									
6/11/2018		1.4		2.1					
6/28/2018									
8/6/2018									11.4 (J)
8/7/2018									
9/19/2018						11.1 (J)	29.2	50.5	
9/24/2018									
9/25/2018	4.6	1	10.4 (J)	2.1	2.3				
9/26/2018									
10/1/2018									
10/2/2018									
2/25/2019									12.7 (J)
3/26/2019									
3/27/2019						10.8 (J)	27.9	48.8	
3/28/2019									
3/29/2019									
4/1/2019									
4/2/2019			8.8	2.5					
4/3/2019	5.3	1.2			2.9				
6/12/2019									18.9
9/24/2019			7.7						
9/25/2019				2.6	2.4				
9/26/2019	5.075 (D)	1.085 (D)							
10/8/2019						9.7	28.1		28.3
10/9/2019								48.95 (D)	
10/10/2019			5.6	2.4	2.6				
3/17/2020						14.8	31.9	54.8	24.3
3/18/2020									
3/19/2020									
3/24/2020	5.3	1	6	2.7	2.6				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-21I (bg)	YGWA-17S (bg)	YGWA-20S (bg)	YGWA-47 (bg)	YGWC-44	YGWC-45	GWA-2 (bg)
3/25/2020									
7/6/2020									
8/27/2020									
8/28/2020									
9/22/2020						10.1	30.4		31
9/23/2020	5.2	0.91 (J)		2.6				50	
9/24/2020			7.8		2.6				
9/25/2020									
10/7/2020									
11/12/2020									
3/1/2021						10.3	31.9	50.7	
3/2/2021									34.2
3/3/2021	5.2	0.96 (J)		2.5	2.4				
3/4/2021			8.7						
8/19/2021						9.6	31.7	50.4	
8/20/2021									26.5
8/26/2021		0.98 (J)							
8/27/2021	5.1			2.7	2.4				
9/1/2021			9.5						
9/3/2021									
2/8/2022						9.4			25.6
2/9/2022	5.1	0.87 (J)	9.8	2.8	2.3		30.8	49.3	
2/10/2022									
2/11/2022									
8/30/2022	5.7	0.77 (J)	7.3	3					23.5
8/31/2022					2.4	9.6	30.8	51.8	
2/7/2023	5.5	0.79 (J)	7.5	2.9	2.4				22.3
2/8/2023						9.2	30.9		
2/9/2023								46.2	
2/10/2023									
8/15/2023	5.1	0.8 (J)	6.1	2.9	2.2	9.6	30	46.3	20.3
8/16/2023									
2/20/2024	5.6		7	3.2	2.5	10.3			22.8
2/21/2024							31.6	54.5	
2/23/2024		0.84 (J)							
8/20/2024	5.9		6.9	3.5	2.8	10			
8/21/2024		0.96 (J)					32.8	58.3	
8/22/2024									
2/25/2025	5.3	0.88 (J)	6	3	2.6	9.9			
2/26/2025							30.1	55.4	
8/12/2025	4.7	0.76	6.9	3.1	2.6	10.2	27.9		
8/13/2025								63.3	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/1/2016					
6/2/2016					
6/6/2016					
6/7/2016					
7/25/2016					
7/26/2016					
7/27/2016					
7/28/2016					
8/30/2016					
8/31/2016					
9/1/2016	96.8				
9/13/2016					
9/14/2016		23.5			
9/15/2016					
9/16/2016					
9/19/2016					
11/1/2016					
11/2/2016					
11/3/2016					
11/4/2016		23.7			
11/14/2016					
11/15/2016					
11/16/2016	107				
11/28/2016					
12/15/2016		23.1			
1/10/2017					
1/11/2017					
1/12/2017					
1/13/2017					
1/16/2017		23.3			
2/21/2017					
2/22/2017					
2/24/2017					
2/27/2017	104				
2/28/2017					
3/1/2017					
3/2/2017					
3/3/2017		25.1			
3/6/2017					
3/7/2017					
3/8/2017					
4/26/2017					
4/27/2017					
4/28/2017		30.7			
5/1/2017					
5/2/2017					
5/8/2017	103				
5/9/2017					
5/26/2017		26.2			
6/27/2017					
6/28/2017		26.1			
6/29/2017					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/30/2017					
7/11/2017					
7/13/2017	83.7				
7/17/2017					
10/3/2017		26.7			
10/4/2017					
10/5/2017					
10/10/2017					
10/11/2017	69		2.74		
10/12/2017				2.9	
10/16/2017					
11/20/2017			1.81	10.4	
1/10/2018				10.2	
1/11/2018			1.54		
2/19/2018				<25	
2/20/2018			1.7		
4/2/2018					
4/3/2018			1.4	6.3	
4/4/2018	51.9				
6/5/2018					
6/6/2018					
6/7/2018		25			
6/8/2018					
6/11/2018					
6/28/2018			1.4	6.7	
8/6/2018					
8/7/2018			1.2	6.3	
9/19/2018	51.9				
9/24/2018			1.1	5.7	
9/25/2018					
9/26/2018					
10/1/2018		25			
10/2/2018					
2/25/2019					
3/26/2019				5.6	
3/27/2019	54.2		1.5		
3/28/2019					
3/29/2019		23.5 (J)			
4/1/2019					
4/2/2019					
4/3/2019					
6/12/2019					
9/24/2019		26.4			
9/25/2019					
9/26/2019					
10/8/2019					
10/9/2019	64.2		2.4 (D)	5.05 (D)	
10/10/2019					
3/17/2020	70.4				
3/18/2020					
3/19/2020		27.4			
3/24/2020				4.8	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
3/25/2020			2.7		
7/6/2020	105				
8/27/2020					52.3
8/28/2020	102				
9/22/2020					53.5
9/23/2020	104	26.3			
9/24/2020			3.7	4.4	
9/25/2020					
10/7/2020	105				53.8
11/12/2020	110				53.6
3/1/2021					50.6
3/2/2021	110				
3/3/2021		25.6			
3/4/2021			8.2	4.6	
8/19/2021					
8/20/2021					47.9
8/26/2021			14.1		
8/27/2021	108	22.6			
9/1/2021					
9/3/2021				5.6	
2/8/2022			15.2	6	
2/9/2022	109	23.4			42.2
2/10/2022					
2/11/2022					
8/30/2022		25.4			
8/31/2022	110		16.3	6.2	41.8
2/7/2023		25.6	16.1		
2/8/2023				5.9	
2/9/2023					
2/10/2023	105				36.7
8/15/2023	111	23.2	17.2	5.3	34.6
8/16/2023					
2/20/2024		28.2	16.9	5.6	
2/21/2024	130				35
2/23/2024					
8/20/2024		30.4			
8/21/2024	124		19.7	6	
8/22/2024					37.6
2/25/2025		27.3	17.3	4.8	
2/26/2025	132				32.3
8/12/2025		22	18.8	4.5	33
8/13/2025	130				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-3I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-14S (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-4I (bg)	YGWA-5I (bg)
6/1/2016	1.6	1.3	1.3						
6/2/2016				1.4	4.1	1.9	7.2	3.7	4.3
6/6/2016									
6/7/2016									
7/25/2016	1.4	1.3				1.7			
7/26/2016			1.2	1.6	4		6.6	3.6	4.4
7/27/2016									
7/28/2016									
8/30/2016									
8/31/2016									
9/1/2016									
9/13/2016	1.3		1.1						
9/14/2016		1.3					6.6	3.4	3.8
9/15/2016				1.5	4.2				
9/16/2016									
9/19/2016						1.6			
11/1/2016		1.4	1.3	1.7		1.8			
11/2/2016					4.9		7.6	4.5	
11/3/2016									
11/4/2016	1.6								4.8
11/14/2016									
11/15/2016									
11/16/2016									
11/28/2016									
12/15/2016									
1/10/2017					4.1				
1/11/2017		1.1	1.1	1.2					
1/12/2017							6.8		3.8
1/13/2017								4.2	
1/16/2017	1.4					1.7			
2/21/2017						1.7			
2/22/2017									
2/24/2017									
2/27/2017									
2/28/2017									
3/1/2017		1.1							
3/2/2017	1.3		1	1.2					
3/3/2017									
3/6/2017								3.6	
3/7/2017							6.8		4.5
3/8/2017					4.2				
4/26/2017		1.1		1.2	4.1	1.7			
4/27/2017	1.3		1						
4/28/2017									
5/1/2017							7.2	4.3	
5/2/2017									4.6
5/8/2017									
5/9/2017									
5/26/2017									
6/27/2017	1.4		1.1				7		4.3
6/28/2017		1.2		1.3					
6/29/2017								4.2	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-3I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-14S (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-4I (bg)	YGWA-5I (bg)
6/30/2017					3.7	1.8			
7/11/2017									
7/13/2017									
7/17/2017									
10/3/2017	1.7		1.1				6.5		4.2
10/4/2017		1.2		1.5		1.8			
10/5/2017					3.8			4.7	
10/10/2017									
10/11/2017									
10/12/2017									
10/16/2017									
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018									
2/20/2018									
4/2/2018									
4/3/2018									
4/4/2018									
6/5/2018			1.1						
6/6/2018	1.4						4.7		
6/7/2018				1.2				4.4	4.5
6/8/2018		1.2			3.4				
6/11/2018						2			
6/28/2018									
8/6/2018									
8/7/2018									
9/19/2018									
9/24/2018									
9/25/2018									
9/26/2018							4.8	4.8	5.1
10/1/2018	1.4	1.2	1.1	1.5	3.8				
10/2/2018						1.8			
2/25/2019									
3/26/2019									
3/27/2019									
3/28/2019	1.5		1.4						
3/29/2019					4.2				
4/1/2019		1.1		1.2		1.7			
4/2/2019									
4/3/2019							4	4.3	4.2
6/12/2019									
9/24/2019	1.3		1.1				3.7		4.5
9/25/2019		1.1		1.1	4.8	1.6		4.5	
9/26/2019									
10/8/2019									
10/9/2019									
10/10/2019							4.3		1.6
3/17/2020									
3/18/2020	1.4				5.2				
3/19/2020		1.1	1.1	1.2		1.8			
3/24/2020							3.5		4.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-3I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-14S (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-4I (bg)	YGWA-5I (bg)
3/25/2020								3.9	
7/6/2020									
8/27/2020									
8/28/2020									
9/22/2020							3.6	4.5	4.2
9/23/2020	1.2	1	0.99 (J)	1.1					
9/24/2020						1.5			
9/25/2020					5.3				
10/7/2020									
11/12/2020									
3/1/2021						1.6			
3/2/2021					4.9		3.2		4.3
3/3/2021	1.2	0.99 (J)	0.96 (J)	1.1				4.1 (J)	
3/4/2021									
8/19/2021	1.3		1.1	1.1	5	1.6			
8/20/2021									
8/26/2021							3.4	4.4	4.3
8/27/2021		1.1							
9/1/2021									
9/3/2021									
2/8/2022									
2/9/2022	1.3	1.1	1	1.1					
2/10/2022					4.7		3.2		4.4
2/11/2022						2.1		4.1	
8/30/2022			1.3				3.5		4.4
8/31/2022	1.5	1.3		1.3	4.6	1.8		4.4	
2/7/2023	1.5		1.3				3.3		
2/8/2023		1.1		1.2	4.9	1.6			
2/9/2023								4.5	5
2/10/2023									
8/15/2023	1.4		1.1	1.1	4.1		3.1	4.4	4.1
8/16/2023		1.1				1.5			
2/20/2024	1.2	1.1	1	1.1		1.4	3.2	4.6	4.8
2/21/2024									
2/23/2024					4.8				
8/20/2024	1.3	1	1	1.1	4.5	1.4	3.4	5.2	4.8
8/21/2024									
8/22/2024									
2/25/2025	1.1	0.9 (J)	0.9 (J)	0.94 (J)	4.1	1.3	2.8	4.5	4.4
2/26/2025									
8/12/2025	1.5	1.3	1.3	1.3	4.7	1.6	3.4	5.1	5
8/13/2025									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-21I (bg)	YGWA-17S (bg)	YGWA-20S (bg)	YGWA-47 (bg)	YGWC-44	YGWC-45	GWA-2 (bg)
6/1/2016									
6/2/2016									
6/6/2016	6.8	6.4							
6/7/2016			2.8	4.5	1.9				
7/25/2016									
7/26/2016									
7/27/2016	6.7	6.2		4.5	1.9				
7/28/2016			2.6						
8/30/2016						5.2			
8/31/2016							13	5.8	4
9/1/2016									
9/13/2016									
9/14/2016									
9/15/2016									
9/16/2016		6.1		4.5					
9/19/2016	7		2.4		1.9				
11/1/2016									
11/2/2016					2.6				
11/3/2016	7.5	7.4	2.9	5.4					
11/4/2016									
11/14/2016						6.4		5.8	
11/15/2016							14		
11/16/2016									
11/28/2016									4.2
12/15/2016									
1/10/2017									
1/11/2017	6.5	6.1		4.7					
1/12/2017									
1/13/2017			2.5		2.3				
1/16/2017									
2/21/2017									
2/22/2017									3.7
2/24/2017						5.5			
2/27/2017								5	
2/28/2017							12		
3/1/2017	6.9	6							
3/2/2017				4.8					
3/3/2017									
3/6/2017			2.1		1.9				
3/7/2017									
3/8/2017									
4/26/2017	7	6.5	2.1		2				
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017				4.6					
5/8/2017						5.8	13		4.2
5/9/2017								4.6	
5/26/2017									
6/27/2017									
6/28/2017	7	6.4							
6/29/2017			2.8	4.5	2.6				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-21I (bg)	YGWA-17S (bg)	YGWA-20S (bg)	YGWA-47 (bg)	YGWC-44	YGWC-45	GWA-2 (bg)
6/30/2017									
7/11/2017						5.8			
7/13/2017							13	4.7	
7/17/2017									3.8
10/3/2017			2.2						
10/4/2017		6.8		4.7	2.6				
10/5/2017	7								
10/10/2017						5.9	14	4.5	
10/11/2017									
10/12/2017									
10/16/2017									4.2
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018									4.3
2/20/2018									
4/2/2018						4.8			
4/3/2018								4.6	
4/4/2018							13.4		
6/5/2018			1.7						
6/6/2018					2.7				
6/7/2018	6.8								
6/8/2018									
6/11/2018		6.8		4.9					
6/28/2018									
8/6/2018									3.8
8/7/2018									
9/19/2018						4	14.2	4.7	
9/24/2018									
9/25/2018	7.9	7.8	2.2	5.6	3.6				
9/26/2018									
10/1/2018									
10/2/2018									
2/25/2019									4.1
3/26/2019									
3/27/2019						4.3	14	4.6	
3/28/2019									
3/29/2019									
4/1/2019									
4/2/2019			2.5	4.8					
4/3/2019	6.9	6.3			3.1				
6/12/2019									4.7
9/24/2019			3.1						
9/25/2019				5.7	2.8				
9/26/2019	7	7.1							
10/8/2019						4.4	14.8		5.1
10/9/2019								4.95 (D)	
10/10/2019			3.3	5.8	3.7				
3/17/2020						4.1	14	4.6	4.8
3/18/2020									
3/19/2020									
3/24/2020	7	6.8	2.8	5	2.7				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-21I (bg)	YGWA-17S (bg)	YGWA-20S (bg)	YGWA-47 (bg)	YGWC-44	YGWC-45	GWA-2 (bg)
3/25/2020									
7/6/2020									
8/27/2020									
8/28/2020									
9/22/2020						4.2	14.4		4.2
9/23/2020	7.2	7.2		6.6				4.9	
9/24/2020			2		2.7				
9/25/2020									
10/7/2020									
11/12/2020									
3/1/2021						3.7	14	5	
3/2/2021									4.1
3/3/2021	7	7.2		7.1	2.7				
3/4/2021			1.8						
8/19/2021						3.5	13	4.1	
8/20/2021									5.2
8/26/2021		7.3							
8/27/2021	7.4			8.5	2.8				
9/1/2021			1.8						
9/3/2021									
2/8/2022						3.2			5.7
2/9/2022	7.5	7	1.7	10.9	2.8		13.5	4.9	
2/10/2022									
2/11/2022									
8/30/2022	7.9	7	2.4	12					6.3
8/31/2022					2.9	3.5	14.5	5.4	
2/7/2023	7.4	6.4	2.4	11.4	2.9				6.1
2/8/2023						3.5	14.9		
2/9/2023								5.9	
2/10/2023									
8/15/2023	7.3	6.7	2.3	11.6	2.8	3.5	13.4	5.6	5.6
8/16/2023									
2/20/2024	7.6		2.3	12.2	2.9	3.2			6.1
2/21/2024							13.2	6	
2/23/2024		6.6							
8/20/2024	7.8		2.3	12.7	3	3.6			
8/21/2024		7.4					13.3	6.5	
8/22/2024									
2/25/2025	7	6.5	2	11.4	2.6	3			
2/26/2025							11.7	6.4	
8/12/2025	7.7	7	2.2	12.4	3.1	3.9	12		
8/13/2025								7.5	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/1/2016					
6/2/2016					
6/6/2016					
6/7/2016					
7/25/2016					
7/26/2016					
7/27/2016					
7/28/2016					
8/30/2016					
8/31/2016					
9/1/2016	37				
9/13/2016					
9/14/2016		1.1			
9/15/2016					
9/16/2016					
9/19/2016					
11/1/2016					
11/2/2016					
11/3/2016					
11/4/2016		1.4			
11/14/2016					
11/15/2016					
11/16/2016	37				
11/28/2016					
12/15/2016		2.9			
1/10/2017					
1/11/2017					
1/12/2017					
1/13/2017					
1/16/2017		0.98			
2/21/2017					
2/22/2017					
2/24/2017					
2/27/2017	33				
2/28/2017					
3/1/2017					
3/2/2017					
3/3/2017		1.1			
3/6/2017					
3/7/2017					
3/8/2017					
4/26/2017					
4/27/2017					
4/28/2017		0.91			
5/1/2017					
5/2/2017					
5/8/2017	33				
5/9/2017					
5/26/2017		0.93			
6/27/2017					
6/28/2017		1			
6/29/2017					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/30/2017					
7/11/2017					
7/13/2017	32				
7/17/2017					
10/3/2017		1.2			
10/4/2017					
10/5/2017					
10/10/2017					
10/11/2017	29		2.4		
10/12/2017				3.8	
10/16/2017					
11/20/2017			1.8	4.4	
1/10/2018				4.6	
1/11/2018			1.6		
2/19/2018				4.6	
2/20/2018			2		
4/2/2018					
4/3/2018			3.3	5.9	
4/4/2018	26.6				
6/5/2018					
6/6/2018					
6/7/2018		1			
6/8/2018					
6/11/2018					
6/28/2018			2.1	5	
8/6/2018					
8/7/2018			1.2	4.3	
9/19/2018	26.5				
9/24/2018			1.3	4.9	
9/25/2018					
9/26/2018					
10/1/2018		1.1			
10/2/2018					
2/25/2019					
3/26/2019				4.4	
3/27/2019	20.9		1.4		
3/28/2019					
3/29/2019		1.2			
4/1/2019					
4/2/2019					
4/3/2019					
6/12/2019					
9/24/2019		0.95 (J)			
9/25/2019					
9/26/2019					
10/8/2019					
10/9/2019	25		2.05 (D)	5.05 (D)	
10/10/2019					
3/17/2020	24.8				
3/18/2020					
3/19/2020		0.97 (J)			
3/24/2020				4.7	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
3/25/2020			1.9		
7/6/2020	25.8				
8/27/2020					3.9
8/28/2020	25.9				
9/22/2020					4.1
9/23/2020	28.1	0.88 (J)			
9/24/2020			2.7	5	
9/25/2020					
10/7/2020	28.2				4
11/12/2020	26.7				3.8
3/1/2021					3.7
3/2/2021	27.4				
3/3/2021		0.86 (J)			
3/4/2021			4.9	4.9	
8/19/2021					
8/20/2021					3.1
8/26/2021			7.2		
8/27/2021	29.3	0.99 (J)			
9/1/2021					
9/3/2021				5.5	
2/8/2022			7.4	6.2	
2/9/2022	28.2	1 (J)			3.2
2/10/2022					
2/11/2022					
8/30/2022		1.2			
8/31/2022	29.9		6.7	6.3	3.4
2/7/2023		1.1	5.6		
2/8/2023				6.9	
2/9/2023					
2/10/2023	33.5				3.3
8/15/2023	32.2	0.93 (J)	4.5	5.6	3
8/16/2023					
2/20/2024		0.96 (J)	4.6	5.7	
2/21/2024	36.3				2.9
2/23/2024					
8/20/2024		0.91 (J)			
8/21/2024	39.6		4	5.4	
8/22/2024					3
2/25/2025		0.77 (J)	3.5	4.5	
2/26/2025	35.2				2.6
8/12/2025		1.1	3.9	4.6	3.1
8/13/2025	35.6				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3I (bg)	YGWA-14S (bg)	YGWA-5I (bg)	YGWA-4I (bg)	YGWA-3D (bg)	YGWA-30I (bg)	YGWA-5D (bg)
6/1/2016	<0.1	0.12 (J)	0.15 (J)						
6/2/2016				<0.1	<0.1	<0.1	0.62	<0.1	0.11 (J)
6/6/2016									
6/7/2016									
7/25/2016	0.06 (J)		0.14 (J)					0.06 (J)	
7/26/2016		0.08 (J)		0.02 (J)	<0.1	<0.1	0.49		0.05 (J)
7/27/2016									
7/28/2016									
8/30/2016									
8/31/2016									
9/1/2016									
9/13/2016	<0.1	0.11 (J)							
9/14/2016			0.18 (J)		<0.1	<0.1			0.04 (J)
9/15/2016				<0.1			0.54		
9/16/2016									
9/19/2016								<0.1	
11/1/2016		0.1 (J)	0.15 (J)				0.68	0.07 (J)	
11/2/2016				0.04 (J)		0.07 (J)			0.2 (J)
11/3/2016									
11/4/2016	0.07 (J)				<0.1				
11/14/2016									
11/15/2016									
11/16/2016									
11/28/2016									
12/15/2016									
1/10/2017				<0.1					
1/11/2017		0.05 (J)	0.09 (J)				0.49		
1/12/2017					<0.1				0.04 (J)
1/13/2017						<0.1			
1/16/2017	0.03 (J)							<0.1	
2/21/2017								0.05 (J)	
2/22/2017									
2/24/2017									
2/27/2017									
2/28/2017									
3/1/2017			0.2 (J)						
3/2/2017	0.06 (J)	0.09 (J)					0.48		
3/3/2017									
3/6/2017						0.05 (J)			
3/7/2017					0.03 (J)				0.09 (J)
3/8/2017				0.04 (J)					
4/26/2017			0.08 (J)	<0.1			0.48	<0.1	
4/27/2017	0.01 (J)	0.04 (J)							
4/28/2017									
5/1/2017						<0.1			0.04 (J)
5/2/2017					<0.1				
5/8/2017									
5/9/2017									
5/26/2017									
6/27/2017	0.06 (J)	0.06 (J)			<0.1				0.09 (J)
6/28/2017			0.12 (J)				0.47		
6/29/2017						0.02 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3I (bg)	YGWA-14S (bg)	YGWA-5I (bg)	YGWA-4I (bg)	YGWA-3D (bg)	YGWA-30I (bg)	YGWA-5D (bg)
6/30/2017				<0.1				0.01 (J)	
7/11/2017									
7/13/2017									
7/17/2017									
10/3/2017	<0.1	0.07 (J)			<0.1				0.05 (J)
10/4/2017			0.1 (J)				0.47	<0.1	
10/5/2017				<0.1		<0.1			
10/10/2017									
10/11/2017									
10/12/2017									
10/16/2017									
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018									
2/20/2018									
3/27/2018	<0.1			<0.1				<0.1	
3/28/2018			<0.1				0.56		
3/29/2018		<0.1			<0.1	<0.1			<0.1
4/2/2018									
4/3/2018									
4/4/2018									
6/5/2018		0.055 (J)							
6/6/2018	<0.1								0.15 (J)
6/7/2018					<0.1	<0.1	0.48		
6/8/2018			0.2 (J)	<0.1					
6/11/2018								<0.1	
6/28/2018									
8/6/2018									
8/7/2018									
9/19/2018									
9/24/2018									
9/25/2018									
9/26/2018					<0.1	<0.1			<0.1
10/1/2018	<0.1	<0.1	<0.1	<0.1			0.44		
10/2/2018								<0.1	
2/25/2019									
2/26/2019				<0.1				<0.1	
2/27/2019	<0.1	0.052 (J)	0.13 (J)				0.53		
3/4/2019					<0.1	<0.1			0.19 (J)
3/5/2019									
3/6/2019									
3/26/2019									
3/27/2019									
3/28/2019	<0.1	0.036 (J)							
3/29/2019				<0.1					
4/1/2019			0.1 (J)				0.45	<0.1	
4/2/2019									
4/3/2019					<0.1	<0.1			0.047 (J)
6/12/2019									
8/19/2019									
8/20/2019									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3I (bg)	YGWA-14S (bg)	YGWA-5I (bg)	YGWA-4I (bg)	YGWA-3D (bg)	YGWA-30I (bg)	YGWA-5D (bg)
8/21/2019									
9/24/2019	<0.1	0.063 (J)			<0.1				0.05 (J)
9/25/2019			0.1 (J)	<0.1		<0.1	0.46	<0.1	
9/26/2019									
10/8/2019									
10/9/2019									
10/10/2019					1.1				0.16 (J)
2/10/2020	<0.1	0.061 (J)							
2/11/2020			0.094 (J)						
2/12/2020				<0.1	<0.1	<0.1	0.4	<0.1	<0.1
3/17/2020									
3/18/2020	<0.1			<0.1					
3/19/2020		0.064 (J)	0.11 (J)				0.51	<0.1	
3/24/2020					<0.1				<0.1
3/25/2020						<0.1			
7/6/2020									
8/26/2020									
8/27/2020									
8/28/2020									
9/22/2020					<0.1	<0.1			0.056 (J)
9/23/2020	<0.1	0.058 (J)	0.098 (J)				0.47		
9/24/2020								<0.1	
9/25/2020				<0.1					
10/7/2020									
11/12/2020									
2/8/2021					<0.1				0.055 (J)
2/9/2021						<0.1			
2/10/2021			<0.1	<0.1			0.43		
2/11/2021								<0.1	
2/12/2021	<0.1	0.068 (J)							
3/1/2021								<0.1	
3/2/2021				<0.1	<0.1				<0.1
3/3/2021	<0.1	0.078 (J)	0.1			<0.1	0.44		
3/4/2021									
8/19/2021	<0.1	0.074 (J)		<0.1			0.47	<0.1	
8/20/2021									
8/26/2021					<0.1	<0.1			0.061 (J)
8/27/2021			0.12						
9/1/2021									
9/3/2021									
2/8/2022									
2/9/2022	<0.1	0.057 (J)	0.097 (J)				0.43		
2/10/2022				<0.1	<0.1				0.055 (J)
2/11/2022						<0.1		<0.1	
8/30/2022		0.093 (J)			<0.1				0.085 (J)
8/31/2022	0.065 (J)		0.13	0.053 (J)		0.061 (J)	0.42	0.06 (J)	
2/7/2023	0.071 (J)	0.093 (J)							0.082 (J)
2/8/2023			0.16	0.059 (J)			0.56	0.064 (J)	
2/9/2023					<0.1	0.067 (J)			
2/10/2023									
8/15/2023	<0.1	0.057 (J)		<0.1	<0.1	<0.1	0.42		<0.1
8/16/2023			0.11					<0.1	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3I (bg)	YGWA-14S (bg)	YGWA-5I (bg)	YGWA-4I (bg)	YGWA-3D (bg)	YGWA-30I (bg)	YGWA-5D (bg)
2/20/2024	<0.1	0.086 (J)	0.12		<0.1	0.059 (J)	0.45	0.051 (J)	0.076 (J)
2/21/2024									
2/23/2024				<0.1					
8/20/2024	<0.1	0.066 (J)	0.12	<0.1	<0.1	<0.1	0.45	<0.1	0.058 (J)
8/21/2024									
8/22/2024									
2/25/2025	0.06 (J)	0.094 (J)	0.14	0.052 (J)	<0.1	0.061 (J)	0.45	0.062 (J)	0.082 (J)
2/26/2025									
8/12/2025	<0.1	0.061 (J)	0.094 (J)	<0.1	<0.1	<0.1	0.42	<0.1	0.05 (J)
8/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-18I (bg)	YGWA-21I (bg)	YGWA-20S (bg)	YGWA-17S (bg)	YGWA-47 (bg)	YGWC-44	GWA-2 (bg)	YGWC-45
6/1/2016									
6/2/2016									
6/6/2016	<0.1	<0.1							
6/7/2016			<0.1	<0.1	<0.1				
7/25/2016									
7/26/2016									
7/27/2016	<0.1	<0.1		<0.1	<0.1				
7/28/2016			0.02 (J)						
8/30/2016						0.09 (J)			
8/31/2016							<0.1	0.14 (J)	0.11 (J)
9/1/2016									
9/13/2016									
9/14/2016									
9/15/2016									
9/16/2016	<0.1				<0.1				
9/19/2016		<0.1	0.02 (J)	<0.1					
11/1/2016									
11/2/2016				<0.1					
11/3/2016	<0.1	<0.1	0.07 (J)		<0.1				
11/4/2016									
11/14/2016						0.18 (J)			0.71
11/15/2016							0.12 (J)		
11/16/2016									
11/28/2016								0.12 (J)	
12/15/2016									
1/10/2017									
1/11/2017	<0.1	<0.1			<0.1				
1/12/2017									
1/13/2017			<0.1	<0.1					
1/16/2017									
2/21/2017									
2/22/2017								0.09 (J)	
2/24/2017						0.05 (J)			
2/27/2017									0.22 (J)
2/28/2017							0.07 (J)		
3/1/2017	0.03 (J)	0.03 (J)							
3/2/2017					0.04 (J)				
3/3/2017									
3/6/2017			0.09 (J)	0.04 (J)					
3/7/2017									
3/8/2017									
4/26/2017	<0.1	<0.1	0.04 (J)	<0.1					
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017					<0.1				
5/8/2017						0.03 (J)	0.04 (J)	0.05 (J)	
5/9/2017									0.2 (J)
5/26/2017									
6/27/2017									
6/28/2017	<0.1	<0.1							
6/29/2017			0.05 (J)	0.03 (J)	0.02 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-18I (bg)	YGWA-21I (bg)	YGWA-20S (bg)	YGWA-17S (bg)	YGWA-47 (bg)	YGWC-44	GWA-2 (bg)	YGWC-45
6/30/2017									
7/11/2017						0.07 (J)			
7/13/2017							<0.1		0.11 (J)
7/17/2017								0.14 (J)	
10/3/2017			0.08 (J)						
10/4/2017	<0.1			<0.1	<0.1				
10/5/2017		<0.1							
10/10/2017						<0.1	<0.1		0.39
10/11/2017									
10/12/2017									
10/16/2017								0.12 (J)	
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018								<0.1	
2/20/2018									
3/27/2018									
3/28/2018	<0.1	<0.1			<0.1				
3/29/2018			<0.1	<0.1					
4/2/2018						<0.1			
4/3/2018									<0.1
4/4/2018							<0.1		
6/5/2018			0.13 (J)						
6/6/2018				<0.1					
6/7/2018		<0.1							
6/8/2018									
6/11/2018	<0.1				<0.1				
6/28/2018									
8/6/2018								0.087 (J)	
8/7/2018									
9/19/2018						<0.1	<0.1		<0.1
9/24/2018									
9/25/2018	<0.1	<0.1	0.029 (J)	<0.1	<0.1				
9/26/2018									
10/1/2018									
10/2/2018									
2/25/2019								0.14 (J)	
2/26/2019									
2/27/2019									
3/4/2019									
3/5/2019	<0.1		0.32	<0.1	<0.1				
3/6/2019		<0.1							
3/26/2019									
3/27/2019						0.081 (J)	<0.1		0.18 (J)
3/28/2019									
3/29/2019									
4/1/2019									
4/2/2019			0.12 (J)		<0.1				
4/3/2019	<0.1	<0.1		<0.1					
6/12/2019								0.12 (J)	
8/19/2019								<0.1	
8/20/2019						<0.1	<0.1		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-18I (bg)	YGWA-21I (bg)	YGWA-20S (bg)	YGWA-17S (bg)	YGWA-47 (bg)	YGWC-44	GWA-2 (bg)	YGWC-45
8/21/2019									
9/24/2019			0.15 (J)						
9/25/2019				<0.1	<0.1				
9/26/2019	<0.1	<0.1							
10/8/2019						0.034 (J)	<0.1 (D)	0.052 (J)	
10/9/2019									<0.1 (D)
10/10/2019			0.11 (J)	0.099 (J)	<0.1				
2/10/2020									
2/11/2020	<0.1	<0.1			<0.1				
2/12/2020			0.1 (J)	<0.1					
3/17/2020						<0.1	<0.1	0.053 (J)	0.076 (J)
3/18/2020									
3/19/2020									
3/24/2020	<0.1	<0.1	0.081 (J)	<0.1	<0.1				
3/25/2020									
7/6/2020									
8/26/2020								0.068 (J)	
8/27/2020						<0.1	<0.1		
8/28/2020									0.07 (J)
9/22/2020						<0.1	<0.1	0.058 (J)	
9/23/2020	<0.1	<0.1			<0.1				0.082 (J)
9/24/2020			0.079 (J)	<0.1					
9/25/2020									
10/7/2020									
11/12/2020									
2/8/2021									
2/9/2021	<0.1	<0.1	0.092 (J)	<0.1	<0.1				
2/10/2021									
2/11/2021									
2/12/2021									
3/1/2021						<0.1	<0.1		0.073 (J)
3/2/2021								0.073 (J)	
3/3/2021	<0.1	<0.1		<0.1	<0.1				
3/4/2021			0.091 (J)						
8/19/2021						<0.1	<0.1		0.075 (J)
8/20/2021								0.06 (J)	
8/26/2021	<0.1								
8/27/2021		<0.1		<0.1	<0.1				
9/1/2021			0.11						
9/3/2021									
2/8/2022						<0.1		0.064 (J)	
2/9/2022	<0.1	<0.1	0.1	<0.1	<0.1		<0.1		0.063 (J)
2/10/2022									
2/11/2022									
8/30/2022	<0.1	<0.1	0.1		<0.1			0.086 (J)	
8/31/2022				<0.1		0.065 (J)	0.055 (J)		0.1
2/7/2023	<0.1	<0.1	0.1	<0.1	<0.1			0.095 (J)	
2/8/2023						0.077 (J)	0.062 (J)		
2/9/2023									0.11
2/10/2023									
8/15/2023	<0.1	<0.1	0.061 (J)	<0.1	<0.1	<0.1	<0.1	0.065 (J)	0.07 (J)
8/16/2023									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18S (bg)	YGWA-18I (bg)	YGWA-21I (bg)	YGWA-20S (bg)	YGWA-17S (bg)	YGWA-47 (bg)	YGWC-44	GWA-2 (bg)	YGWC-45
2/20/2024		<0.1	0.083 (J)	<0.1	<0.1	0.073 (J)		0.094 (J)	
2/21/2024							<0.1		0.099 (J)
2/23/2024	<0.1								
8/20/2024		<0.1	0.062 (J)	<0.1	<0.1	<0.1			
8/21/2024	0.051 (J)						<0.1		0.077 (J)
8/22/2024									
2/25/2025	<0.1	<0.1	0.088 (J)	<0.1	<0.1	0.069 (J)			
2/26/2025							<0.1		0.069 (J)
8/12/2025	<0.1	<0.1	0.059 (J)	<0.1	<0.1	<0.1	<0.1		
8/13/2025									0.11

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/1/2016					
6/2/2016					
6/6/2016					
6/7/2016					
7/25/2016					
7/26/2016					
7/27/2016					
7/28/2016					
8/30/2016					
8/31/2016					
9/1/2016	0.08 (J)				
9/13/2016					
9/14/2016		0.08 (J)			
9/15/2016					
9/16/2016					
9/19/2016					
11/1/2016					
11/2/2016					
11/3/2016					
11/4/2016		0.12 (J)			
11/14/2016					
11/15/2016					
11/16/2016	0.04 (J)				
11/28/2016					
12/15/2016		0.06 (J)			
1/10/2017					
1/11/2017					
1/12/2017					
1/13/2017					
1/16/2017		0.1 (J)			
2/21/2017					
2/22/2017					
2/24/2017					
2/27/2017	0.05 (J)				
2/28/2017					
3/1/2017					
3/2/2017					
3/3/2017		0.11 (J)			
3/6/2017					
3/7/2017					
3/8/2017					
4/26/2017					
4/27/2017					
4/28/2017		0.06 (J)			
5/1/2017					
5/2/2017					
5/8/2017	0.004 (J)				
5/9/2017					
5/26/2017		0.09 (J)			
6/27/2017					
6/28/2017		0.11 (J)			
6/29/2017					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/30/2017					
7/11/2017					
7/13/2017	0.35				
7/17/2017					
10/3/2017		0.12 (J)			
10/4/2017					
10/5/2017					
10/10/2017					
10/11/2017	<0.1		<0.1		
10/12/2017				<0.1	
10/16/2017					
11/20/2017			<0.1	<0.1	
1/10/2018				<0.1	
1/11/2018			<0.1		
2/19/2018				<0.1	
2/20/2018			<0.1		
3/27/2018					
3/28/2018		0.31			
3/29/2018					
4/2/2018					
4/3/2018			<0.1	<0.1	
4/4/2018	<0.1				
6/5/2018					
6/6/2018					
6/7/2018		0.11 (J)			
6/8/2018					
6/11/2018					
6/28/2018			<0.1	<0.1	
8/6/2018					
8/7/2018			0.048 (J)	<0.1	
9/19/2018	<0.1				
9/24/2018			<0.1	<0.1	
9/25/2018					
9/26/2018					
10/1/2018		<0.1			
10/2/2018					
2/25/2019					
2/26/2019					
2/27/2019		0.12 (J)			
3/4/2019					
3/5/2019					
3/6/2019					
3/26/2019				<0.1	
3/27/2019	0.12 (J)		<0.1		
3/28/2019					
3/29/2019		0.13 (J)			
4/1/2019					
4/2/2019					
4/3/2019					
6/12/2019					
8/19/2019					
8/20/2019					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
8/21/2019	<0.1		<0.1	<0.1	
9/24/2019		0.081 (J)			
9/25/2019					
9/26/2019					
10/8/2019					
10/9/2019	0.12 (J)		<0.1	<0.1	
10/10/2019					
2/10/2020					
2/11/2020		0.075 (J)			
2/12/2020			<0.1	<0.1	
3/17/2020	<0.1				
3/18/2020					
3/19/2020		0.093 (J)			
3/24/2020				<0.1	
3/25/2020			<0.1		
7/6/2020	0.12				
8/26/2020					
8/27/2020					<0.1
8/28/2020	0.12				
9/22/2020					<0.1
9/23/2020	0.12	0.08 (J)			
9/24/2020			<0.1	<0.1	
9/25/2020					
10/7/2020	0.13				<0.1
11/12/2020	0.084 (J)				<0.1
2/8/2021					
2/9/2021					
2/10/2021		0.094 (J)	<0.1	<0.1	
2/11/2021					
2/12/2021					
3/1/2021					<0.1
3/2/2021	0.12				
3/3/2021		0.085 (J)			
3/4/2021			<0.1	<0.1	
8/19/2021					
8/20/2021					<0.1
8/26/2021			0.063 (J)		
8/27/2021	0.13	0.12			
9/1/2021					
9/3/2021				<0.1	
2/8/2022			0.052 (J)	<0.1	
2/9/2022	0.12	0.094 (J)			<0.1
2/10/2022					
2/11/2022					
8/30/2022		0.12			
8/31/2022	0.12		0.065 (J)	0.05 (J)	0.059 (J)
2/7/2023		0.12	0.076 (J)		
2/8/2023				<0.1	
2/9/2023					
2/10/2023	0.17				0.063 (J)
8/15/2023	0.12	0.081 (J)	<0.1	<0.1	<0.1
8/16/2023					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
2/20/2024		0.1	0.063 (J)	<0.1	
2/21/2024	0.11				0.054 (J)
2/23/2024					
8/20/2024		0.085 (J)			
8/21/2024	0.1		0.083 (J)	0.06 (J)	
8/22/2024					<0.1
2/25/2025		0.12	0.078 (J)	0.053 (J)	
2/26/2025	0.075 (J)				<0.1
8/12/2025		0.086 (J)	<0.1	<0.1	<0.1
8/13/2025	0.11				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-3I (bg)	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-30I (bg)	YGWA-5I (bg)
8/27/2008	6.53								
3/3/2009	6.35								
11/18/2009	6.47								
3/3/2010	6.53								
3/10/2011	5.83								
9/8/2011	5.69								
3/5/2012	6.27								
9/10/2012	6.23								
2/6/2013	7.56								
8/12/2013	6.68								
2/5/2014	6.32								
8/3/2015	6.13								
2/16/2016	5.64								
6/1/2016		7.72	6.33	7.46					
6/2/2016					7.84	6.36	7.67	5.75	5.75
6/6/2016									
6/7/2016									
7/25/2016		7.74	6.21					5.82	
7/26/2016				7.43	7.88	6.22	7.66		5.72
7/27/2016									
7/28/2016									
8/30/2016									
8/31/2016	6.32								
9/1/2016									
9/13/2016			6.16	7.44					
9/14/2016		7.65				6.23	7.6		5.74
9/15/2016					7.74				
9/16/2016									
9/19/2016								5.78	
11/1/2016		7.7		7.24	7.75			5.62	
11/2/2016						6.08	7.35		
11/3/2016									
11/4/2016			6.29						5.61
11/14/2016									
11/15/2016									
11/16/2016									
11/28/2016	6.23								
12/15/2016									
1/10/2017									
1/11/2017		7.53		7.3	7.66				
1/12/2017							7.49		5.71
1/13/2017						6.19			
1/16/2017			6.29					5.72	
2/21/2017								5.67	
2/22/2017	6.21								
2/24/2017									
2/27/2017									
2/28/2017									
3/1/2017		7.42							
3/2/2017			6.28	7.23	7.68				
3/3/2017									
3/6/2017						6.2			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-3I (bg)	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-30I (bg)	YGWA-5I (bg)
3/7/2017							7.43		5.66
3/8/2017									
4/26/2017		7.4			7.45			5.56	
4/27/2017			6.09	6.99					
4/28/2017									
5/1/2017						6.21	7.22		
5/2/2017									5.65
5/8/2017	6.12								
5/9/2017									
5/26/2017									
6/27/2017			6.21	6.87			7.32		5.7
6/28/2017		7.5			7.65				
6/29/2017						6.21			
6/30/2017								5.72	
7/11/2017									
7/13/2017									
7/17/2017	6.03								
10/3/2017			5.98	6.81			7.48		5.79
10/4/2017		7.45			7.49			5.87	
10/5/2017						6.16			
10/10/2017									
10/11/2017									
10/12/2017									
10/16/2017	6.12								
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018	6.13								
2/20/2018									
3/27/2018			6.25					5.83	
3/28/2018		7.74			7.91				
3/29/2018				7.38		6.09	7.02		5.63
4/2/2018									
4/3/2018									
4/4/2018									
6/5/2018				7.16					
6/6/2018			6.17				7.43		
6/7/2018					7.69	6.12			5.63
6/8/2018		7.64							
6/11/2018								5.69	
6/28/2018									
8/6/2018	6.01								
8/7/2018									
9/19/2018									
9/24/2018									
9/25/2018									
9/26/2018						5.84	7.13		5.63
10/1/2018		7.47	5.9	6.8	7.39				
10/2/2018								5.39	
2/25/2019	6.51								
2/26/2019								5.77	
2/27/2019		7.54	5.8	6.84	7.55				

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-3I (bg)	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-30I (bg)	YGWA-5I (bg)
3/4/2019						6.18	7.46		5.75
3/5/2019									
3/6/2019									
3/26/2019									
3/27/2019									
3/28/2019			6.15	6.99					
3/29/2019									
4/1/2019		7.74			7.87			5.62	
4/2/2019									
4/3/2019						6.43	7.11		5.63
6/12/2019	6.3								
8/19/2019	6.23								
8/20/2019									
8/21/2019									
9/24/2019			6.23	7.07			6.93		5.6
9/25/2019		7.47			7.64	6.2		5.69	
9/26/2019									
10/8/2019	6.28								
10/9/2019									
2/10/2020			6.1	7.2					
2/11/2020		7.09							
2/12/2020					7.83	6.15	7.52	5.8	5.83
3/17/2020	6.14								
3/18/2020			6.19						
3/19/2020		7.31		7.03	7.65			6	
3/24/2020							7.34		5.81
3/25/2020						6.26			
5/6/2020	6.24								
7/6/2020									
8/26/2020	5.67								
8/27/2020									
8/28/2020									
9/22/2020	5.78					5.8	7.19		5.99
9/23/2020		7.37	6.01	7.15	7.57				
9/24/2020								5.67	
9/25/2020									
10/7/2020									
11/12/2020									
2/8/2021							7.66		5.67
2/9/2021						6.06			
2/10/2021		7.58			7.81				
2/11/2021								5.73	
2/12/2021			6.21	7.14					
3/1/2021								5.78	
3/2/2021	5.42						7.15		5.63
3/3/2021		8.13	5.38	7.2	8.39	6.21			
3/4/2021									
8/19/2021			6.38	6.32	5.34			5.43	
8/20/2021	5.86								
8/26/2021						5.82	7.16		5.51
8/27/2021		7.39							
9/1/2021									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	GWA-2 (bg)	YGWA-3I (bg)	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-4I (bg)	YGWA-5D (bg)	YGWA-30I (bg)	YGWA-5I (bg)
9/3/2021									
2/8/2022	5.83								
2/9/2022		7.66	6.24	7.12	7.97				
2/10/2022							6.99		5.14
2/11/2022						5.95		5.59	
8/30/2022	5.39			7.2			7.4		5
8/31/2022		7.49	5.64		7.65	5.5		5.87	
2/7/2023	5.94		6.53	7.86			6.64		
2/8/2023		7.73			7.88			6.43	
2/9/2023						6.23			5.9
2/10/2023									
8/15/2023	5.3		5.88	6.98	7.69	5.99	7.34		5.58
8/16/2023		7.39						5.55	
2/20/2024	6.07	7.59	6.42	7.06	7.81	6.21	7.56	5.81	5.78
2/21/2024									
2/23/2024									
8/20/2024		7.45	5.77	7.18	7.59	6.03	7.3	6.07	5.58
8/21/2024									
8/22/2024									
2/25/2025		7.55	6.02	7.18	7.79	5.98	7.4	5.45	5.77
2/26/2025									
8/12/2025		7.46	6.17	7.02	7.64	6.02	7.4	5.68	5.39
8/13/2025									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-14S (bg)	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-17S (bg)	YGWA-21I (bg)	YGWA-47 (bg)	YGWC-45	YGWC-44
8/27/2008									
3/3/2009									
11/18/2009									
3/3/2010									
3/10/2011									
9/8/2011									
3/5/2012									
9/10/2012									
2/6/2013									
8/12/2013									
2/5/2014									
8/3/2015									
2/16/2016									
6/1/2016									
6/2/2016	5.46								
6/6/2016		6.17	5.71						
6/7/2016				5.77	5.62	6.1			
7/25/2016									
7/26/2016	5.45								
7/27/2016		6.14	5.46	5.79	5.59				
7/28/2016						6.12			
8/30/2016							5.75		
8/31/2016								7.15	6.01
9/1/2016									
9/13/2016									
9/14/2016									
9/15/2016	5.45								
9/16/2016					5.58				
9/19/2016		6.04	5.59	5.73		6.12			
11/1/2016									
11/2/2016	5.41			5.67					
11/3/2016		5.97	5.39		5.59	6.07			
11/4/2016									
11/14/2016							5.59	6.96	
11/15/2016									5.91
11/16/2016									
11/28/2016									
12/15/2016									
1/10/2017	5.37								
1/11/2017		6.05	5.48		5.59				
1/12/2017									
1/13/2017				5.79		6.41			
1/16/2017									
2/21/2017									
2/22/2017									
2/24/2017							5.49		
2/27/2017								6.79	
2/28/2017									5.85
3/1/2017		5.94	5.41						
3/2/2017					5.54				
3/3/2017									
3/6/2017				5.63		6.34			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-14S (bg)	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-17S (bg)	YGWA-21I (bg)	YGWA-47 (bg)	YGWC-45	YGWC-44
3/7/2017									
3/8/2017	5.41								
4/26/2017	5.02	5.99	5.4	5.66		6.32			
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017					5.47				
5/8/2017							5.58		5.91
5/9/2017								6.9	
5/26/2017									
6/27/2017									
6/28/2017		6	5.36						
6/29/2017				5.85	5.56	6.47			
6/30/2017	5.39								
7/11/2017							5.58		
7/13/2017								6.77	5.8
7/17/2017									
10/3/2017						6.56			
10/4/2017			5.32	5.83	5.57				
10/5/2017	5.49	6.11							
10/10/2017							5.49	6.9	5.76
10/11/2017									
10/12/2017									
10/16/2017									
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018									
2/20/2018									
3/27/2018	5.47								
3/28/2018		6.1	5.34		5.59				
3/29/2018				5.93		6.75			
4/2/2018							6.3		
4/3/2018								6.44	
4/4/2018									5.77
6/5/2018						6.09			
6/6/2018				5.86					
6/7/2018		5.98							
6/8/2018	5.45								
6/11/2018			5.28		5.58				
6/28/2018									
8/6/2018									
8/7/2018									
9/19/2018							5.48	6.47	5.77
9/24/2018									
9/25/2018		5.81	4.86	5.84	5.59	6.67			
9/26/2018									
10/1/2018	5.39								
10/2/2018									
2/25/2019									
2/26/2019	5.46								
2/27/2019									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-14S (bg)	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-17S (bg)	YGWA-21I (bg)	YGWA-47 (bg)	YGWC-45	YGWC-44
3/4/2019									
3/5/2019			5.26	6.07	5.48	7.22			
3/6/2019		5.99							
3/26/2019									
3/27/2019							5.83	7.18	6.1
3/28/2019									
3/29/2019	5.34								
4/1/2019									
4/2/2019					5.74	6.94			
4/3/2019		6.29	5.47	5.71					
6/12/2019									
8/19/2019									
8/20/2019							5.58	6.48	5.78
8/21/2019									
9/24/2019						6.87			
9/25/2019	5.19			5.86	5.49				
9/26/2019		6.04	5.2						
10/8/2019							5.59		5.84
10/9/2019								6.55	
2/10/2020									
2/11/2020		6.07	5.3		5.58				
2/12/2020	5.48			6		7.13			
3/17/2020							5.57	6.69	5.9
3/18/2020	5.38								
3/19/2020									
3/24/2020		5.98	5.33	5.86	5.57	6.35			
3/25/2020									
5/6/2020									
7/6/2020									
8/26/2020									
8/27/2020							4.88		5.75
8/28/2020								6.84	
9/22/2020							5.46		5.53
9/23/2020		6.01	5.29		5.58			6.57	
9/24/2020				5.8		6.7			
9/25/2020	5.44								
10/7/2020									
11/12/2020									
2/8/2021									
2/9/2021		6.12	5.43	5.86	5.62	6.95			
2/10/2021	5.35								
2/11/2021									
2/12/2021									
3/1/2021							5.48	6.5	5.76
3/2/2021	5.49								
3/3/2021		5.89	5.31	5.89	5.52				
3/4/2021						6.8			
8/19/2021	7.32						5.5	6.13	5.73
8/20/2021								6.13	
8/26/2021			4.4						
8/27/2021		5.4		5.57	5.27				
9/1/2021						6.65			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-14S (bg)	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-20S (bg)	YGWA-17S (bg)	YGWA-21I (bg)	YGWA-47 (bg)	YGWC-45	YGWC-44
9/3/2021									
2/8/2022							5.4		
2/9/2022		5.98	5.28	5.91	5.53	6.84		6.15	5.73
2/10/2022	4.5								
2/11/2022									
8/30/2022		5.89	5.18		4.68	6.58			
8/31/2022	5.15			5.38			5.32	6.56	5.77
2/7/2023		6	5.03	5.63	5.47	6.82			
2/8/2023	5.39						5.22		5.6
2/9/2023								6.47	
2/10/2023									
8/15/2023	5.03	5.82	5.2	7	5.54	6.84	5.69	6.97	5.79
8/16/2023									
2/20/2024		6.11		5.99	5.64	6.78	5.62		
2/21/2024								6.35	5.82
2/23/2024	5.39		5.3						
8/20/2024	5.49	5.74		6	5.45	6.6	5.48		
8/21/2024			5.29					6.54	5.8
8/22/2024									
2/25/2025	5.16	6	6.26	6.07	5.59	6.55	5.52		
2/26/2025								6.63	5.78
8/12/2025	5.34	6.01	5.21	5.57	5.36	6.71	5.66		5.94
8/13/2025								6.77	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
8/27/2008					
3/3/2009					
11/18/2009					
3/3/2010					
3/10/2011					
9/8/2011					
3/5/2012					
9/10/2012					
2/6/2013					
8/12/2013					
2/5/2014					
8/3/2015					
2/16/2016					
6/1/2016					
6/2/2016					
6/6/2016					
6/7/2016					
7/25/2016					
7/26/2016					
7/27/2016					
7/28/2016					
8/30/2016					
8/31/2016					
9/1/2016	6.19				
9/13/2016		7.41			
9/14/2016					
9/15/2016					
9/16/2016					
9/19/2016					
11/1/2016					
11/2/2016					
11/3/2016					
11/4/2016		7.12			
11/14/2016					
11/15/2016					
11/16/2016	6.05				
11/28/2016					
12/15/2016		7.24			
1/10/2017					
1/11/2017					
1/12/2017					
1/13/2017					
1/16/2017		7.24			
2/21/2017					
2/22/2017					
2/24/2017					
2/27/2017	6.01				
2/28/2017					
3/1/2017					
3/2/2017					
3/3/2017		7.22			
3/6/2017					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
3/7/2017					
3/8/2017					
4/26/2017					
4/27/2017					
4/28/2017		7.21			
5/1/2017					
5/2/2017					
5/8/2017	6.1				
5/9/2017					
5/26/2017		7.13			
6/27/2017					
6/28/2017		7.06			
6/29/2017					
6/30/2017					
7/11/2017					
7/13/2017	6.07				
7/17/2017					
10/3/2017		6.99			
10/4/2017					
10/5/2017					
10/10/2017					
10/11/2017	5.93		6.4		
10/12/2017				5.43	
10/16/2017					
11/20/2017			6.33	5.1	
1/10/2018				4.97	
1/11/2018			6.29		
2/19/2018				5.6	
2/20/2018			7.22		
3/27/2018					
3/28/2018		7.3			
3/29/2018					
4/2/2018					
4/3/2018			6.87	5.84	
4/4/2018	6.01				
6/5/2018					
6/6/2018					
6/7/2018		7.29			
6/8/2018					
6/11/2018					
6/28/2018			6.18	5.24	
8/6/2018					
8/7/2018			6.08	5.18	
9/19/2018	6.09				
9/24/2018			5.81	5.14	
9/25/2018					
9/26/2018					
10/1/2018		7.07			
10/2/2018					
2/25/2019					
2/26/2019					
2/27/2019		7.27			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
3/4/2019					
3/5/2019					
3/6/2019					
3/26/2019				5.3	
3/27/2019	6.2		5.84		
3/28/2019					
3/29/2019		7.06			
4/1/2019					
4/2/2019					
4/3/2019					
6/12/2019					
8/19/2019					
8/20/2019					
8/21/2019	5.82		5.96	5.26	
9/24/2019		7.01			
9/25/2019					
9/26/2019					
10/8/2019					
10/9/2019	5.96		5.81	5.22	
2/10/2020					
2/11/2020		7.38			
2/12/2020			5.97	5.3	
3/17/2020	5.99 (D)				
3/18/2020					
3/19/2020		7.22			
3/24/2020				5.29	
3/25/2020			5.78		
5/6/2020					
7/6/2020	6.89				
8/26/2020					
8/27/2020					5.8
8/28/2020	7.05				
9/22/2020					5.91
9/23/2020	6.81	7.22			
9/24/2020			5.7	5.43	
9/25/2020					
10/7/2020	7.06				5.87
11/12/2020	7.02				5.93
2/8/2021					
2/9/2021					
2/10/2021		7.29	5.8	5.19	
2/11/2021					
2/12/2021					
3/1/2021					5.84
3/2/2021	6.72				
3/3/2021		7.92			
3/4/2021			5.54	5.23	
8/19/2021					
8/20/2021					6.71
8/26/2021			6.91		
8/27/2021	6.83	7.16			
9/1/2021					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
9/3/2021				5.01	
2/8/2022			5.78	5.26	
2/9/2022	6.98	5.86			5.99
2/10/2022					
2/11/2022					
8/30/2022		7.04			
8/31/2022	6.87		5.3	4.53	5.58
2/7/2023		6.94	5.49		
2/8/2023				5.71	
2/9/2023					
2/10/2023	7.32				6
8/15/2023	7.51	6.96	5.78	5	6.05
8/16/2023					
2/20/2024		7.23	5.97	5.32	
2/21/2024	7.51				5.74
2/23/2024					
8/20/2024		6.91			
8/21/2024	7.41		6	5.38	
8/22/2024					6.01
2/25/2025		7.14	5.81	5.07	
2/26/2025	6.85				5.97
8/12/2025		6.93	5.79	4.97	
8/13/2025	7.05				6.06

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-3I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-14S (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-4I (bg)	YGWA-5I (bg)
6/1/2016	4.2	12	5						
6/2/2016				5.8	6.6	1.3	20	8	1.9
6/6/2016									
6/7/2016									
7/25/2016	3.7	8.4				1.2			
7/26/2016			5.4	6.7	6.1		20	7.7	1.8
7/27/2016									
7/28/2016									
8/30/2016									
8/31/2016									
9/1/2016									
9/13/2016	5.2		2.9						
9/14/2016		8.6					19	7.5	1.8
9/15/2016				6	6.1				
9/16/2016									
9/19/2016						1.2			
11/1/2016		8.9	3.9	4.9		1.3			
11/2/2016					6.3		20	8.2	
11/3/2016									
11/4/2016	5								2
11/14/2016									
11/15/2016									
11/16/2016									
11/28/2016									
12/15/2016									
1/10/2017					5.9				
1/11/2017		8.6	3.7	4.5					
1/12/2017							19		1.9
1/13/2017								8.1	
1/16/2017	7.9					1.4			
2/21/2017						1.4			
2/22/2017									
2/24/2017									
2/27/2017									
2/28/2017									
3/1/2017		9.3							
3/2/2017	7.4		4.6	4.4					
3/3/2017									
3/6/2017								8	
3/7/2017							20		2.1
3/8/2017					7				
4/26/2017		11		5.1	7	1.4			
4/27/2017	7.4		5.2						
4/28/2017									
5/1/2017							20	8.4	
5/2/2017									2
5/8/2017									
5/9/2017									
5/26/2017									
6/27/2017	6.4		5.9				18		2.1
6/28/2017		12		5.4					
6/29/2017								9.2	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-3I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-14S (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-4I (bg)	YGWA-5I (bg)
6/30/2017					6.5	1.5			
7/11/2017									
7/13/2017									
7/17/2017									
10/3/2017	5.9		6.6				16		2.3
10/4/2017		12		6.2		1.4			
10/5/2017					7.9			9.6	
10/10/2017									
10/11/2017									
10/12/2017									
10/16/2017									
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018									
2/20/2018									
4/2/2018									
4/3/2018									
4/4/2018									
6/5/2018			6.4						
6/6/2018	4.4						8.3		
6/7/2018				6.7				8.5	2
6/8/2018		9.6			6.4				
6/11/2018						1.1			
6/28/2018									
8/6/2018									
8/7/2018									
9/19/2018									
9/24/2018									
9/25/2018									
9/26/2018							7.9	10.2	2.3
10/1/2018	4	9.1	5.6	7.1	6.8				
10/2/2018						1			
2/25/2019									
3/26/2019									
3/27/2019									
3/28/2019	4.3		8						
3/29/2019					7.3				
4/1/2019		8.5		7.2		0.96 (J)			
4/2/2019									
4/3/2019							7	8.5	2.1
6/12/2019									
9/24/2019	4.3		5.3				5.5		2.4
9/25/2019		13.8		7	6.6	0.81 (J)		8.5	
9/26/2019									
10/8/2019									
10/9/2019									
10/10/2019							<1	9.2	1.8
3/17/2020									
3/18/2020	5.3				8.1				
3/19/2020		12.9	10	9		1.6			
3/24/2020							5.9		2.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-3I (bg)	YGWA-1D (bg)	YGWA-3D (bg)	YGWA-14S (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-4I (bg)	YGWA-5I (bg)
3/25/2020								8.8	
7/6/2020									
8/27/2020									
8/28/2020									
9/22/2020							5.5	8.2	2.1
9/23/2020	3.4	16.8	8.1	6.9					
9/24/2020						0.69 (J)			
9/25/2020					6.1				
10/7/2020									
11/12/2020									
3/1/2021						0.88 (J)			
3/2/2021					6		2.6		2.3
3/3/2021	4.4	9.6	9	7				7.8	
3/4/2021									
8/19/2021	4.9		8.9	7.5	6.7	1			
8/20/2021									
8/26/2021							6	8.5	2.4
8/27/2021		18.2							
9/1/2021									
9/3/2021									
2/8/2022									
2/9/2022	5.1	16	9.3	7.2					
2/10/2022					6.2		4.9		2.4
2/11/2022						2.8		7.7	
8/30/2022			10.2				5.7		2.4
8/31/2022	4.8	13.9		6.9	5.8	1.1		8	
2/7/2023	6.6		10.6				5.2		
2/8/2023		14.7		7.5	6.1	0.96 (J)			
2/9/2023								8.9	2.9
2/10/2023									
8/15/2023	4.6		9.6	6.8	6		4.8	7.5	2.2
8/16/2023		20.3				0.9 (J)			
2/20/2024	4.3	13.8	9.7	7		0.69 (J)	5.1	8.5	2.5
2/21/2024									
2/23/2024					7.1				
8/20/2024	4.9	13.7	12.2	7.7	7.6	0.74 (J)	4.3	8.7	2.6
8/21/2024									
8/22/2024									
2/25/2025	3.5	10.9	10.4	6.7	6.5	0.74 (J)	4.6	7.4	2.2
2/26/2025									
8/12/2025	4	19.4	9.3	7.5	7	0.98 (J)	5	8.3	2.4
8/13/2025									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-21I (bg)	YGWA-17S (bg)	YGWA-20S (bg)	YGWA-47 (bg)	YGWC-44	YGWC-45	GWA-2 (bg)
6/1/2016									
6/2/2016									
6/6/2016	1.2	1.8							
6/7/2016			5.2	4.4	<1				
7/25/2016									
7/26/2016									
7/27/2016	1.7	1.9		4.7	0.08 (J)				
7/28/2016			5.1						
8/30/2016						160			
8/31/2016							150	190	29
9/1/2016									
9/13/2016									
9/14/2016									
9/15/2016									
9/16/2016		1.7		4.8					
9/19/2016	1.8		4.8		0.08 (J)				
11/1/2016									
11/2/2016					0.1 (J)				
11/3/2016	0.69 (J)	1.9	5	5.3					
11/4/2016									
11/14/2016						150		200	
11/15/2016							150		
11/16/2016									
11/28/2016									36
12/15/2016									
1/10/2017									
1/11/2017	0.99 (J)	1.7		5.2					
1/12/2017									
1/13/2017			4.3		0.1 (J)				
1/16/2017									
2/21/2017									
2/22/2017									43
2/24/2017						120			
2/27/2017								190	
2/28/2017							130		
3/1/2017	1.8	1.6							
3/2/2017				5					
3/3/2017									
3/6/2017			4.5		<1				
3/7/2017									
3/8/2017									
4/26/2017	1.6	1.9	4.9		<1				
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017				5					
5/8/2017						120	150		60
5/9/2017								190	
5/26/2017									
6/27/2017									
6/28/2017	1.7	1.5							
6/29/2017			5.5	5.2	0.15 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-21I (bg)	YGWA-17S (bg)	YGWA-20S (bg)	YGWA-47 (bg)	YGWC-44	YGWC-45	GWA-2 (bg)
6/30/2017									
7/11/2017						110			
7/13/2017							150	180	
7/17/2017									63
10/3/2017			5.8						
10/4/2017		1.7		5.3	0.14 (J)				
10/5/2017	1.6								
10/10/2017						93	140	180	
10/11/2017									
10/12/2017									
10/16/2017									62
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018									64.6
2/20/2018									
4/2/2018						88.8			
4/3/2018								183	
4/4/2018							137		
6/5/2018			6.1						
6/6/2018					0.049 (J)				
6/7/2018	0.68 (J)								
6/8/2018									
6/11/2018		0.95 (J)		5.2					
6/28/2018									
8/6/2018									42.1
8/7/2018									
9/19/2018						75	137	192	
9/24/2018									
9/25/2018	1	1.5	7	6.1	0.13 (J)				
9/26/2018									
10/1/2018									
10/2/2018									
2/25/2019									42.1
3/26/2019									
3/27/2019						65.9	146	188	
3/28/2019									
3/29/2019									
4/1/2019									
4/2/2019			3.8	5.1					
4/3/2019	0.82 (J)	1.3			0.12 (J)				
6/12/2019									83.4
9/24/2019			1						
9/25/2019				5.5	<1				
9/26/2019	0.64 (J)	1							
10/8/2019						52.3	142		128
10/9/2019								183 (D)	
10/10/2019			3.6	5.5	0.058 (J)				
3/17/2020						71.6	121	161	98.6
3/18/2020									
3/19/2020									
3/24/2020	<1	0.99 (J)	3	5.4	<1				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-21I (bg)	YGWA-17S (bg)	YGWA-20S (bg)	YGWA-47 (bg)	YGWC-44	YGWC-45	GWA-2 (bg)
3/25/2020									
7/6/2020									
8/27/2020									
8/28/2020									
9/22/2020						51.5	130		145
9/23/2020	0.53 (J)	1.1		5.1				170	
9/24/2020			3.6		<1				
9/25/2020									
10/7/2020									
11/12/2020									
3/1/2021						51.6	119	159	
3/2/2021									156
3/3/2021	<1	1		5.2	<1				
3/4/2021			4.5						
8/19/2021						52.6	115	149	
8/20/2021									121
8/26/2021		1.2							
8/27/2021	0.59 (J)			5.3	<1				
9/1/2021			5						
9/3/2021									
2/8/2022						50.9			107
2/9/2022	0.51 (J)	1.1	3.9	4.8	<1		121	164	
2/10/2022									
2/11/2022									
8/30/2022	0.78 (J)	1.3	3.2	4.7					101
8/31/2022					<1	48	130	177	
2/7/2023	0.78 (J)	1.2	3.8	4.9	<1				82.4
2/8/2023						50.5	130		
2/9/2023								193	
2/10/2023									
8/15/2023	0.51 (J)	0.88 (J)	4.1	4.6	<1	47.7	113	154	74.2
8/16/2023									
2/20/2024	<1		3.8	4.6	<1	51			75
2/21/2024							124	170	
2/23/2024		0.79 (J)							
8/20/2024	0.74 (J)		4	4.6	<1	53.9			
8/21/2024		1.1					121	166	
8/22/2024									
2/25/2025	<1	0.59 (J)	3.3	3.6	<1	48.3			
2/26/2025							112	161	
8/12/2025	0.8 (J)	0.98 (J)	4.4	3.9	<1	53.1	120		
8/13/2025								165	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/1/2016					
6/2/2016					
6/6/2016					
6/7/2016					
7/25/2016					
7/26/2016					
7/27/2016					
7/28/2016					
8/30/2016					
8/31/2016					
9/1/2016	770				
9/13/2016					
9/14/2016		9.4			
9/15/2016					
9/16/2016					
9/19/2016					
11/1/2016					
11/2/2016					
11/3/2016					
11/4/2016		13			
11/14/2016					
11/15/2016					
11/16/2016	780				
11/28/2016					
12/15/2016		1.8			
1/10/2017					
1/11/2017					
1/12/2017					
1/13/2017					
1/16/2017		11			
2/21/2017					
2/22/2017					
2/24/2017					
2/27/2017	650				
2/28/2017					
3/1/2017					
3/2/2017					
3/3/2017		8.8			
3/6/2017					
3/7/2017					
3/8/2017					
4/26/2017					
4/27/2017					
4/28/2017		10			
5/1/2017					
5/2/2017					
5/8/2017	770				
5/9/2017					
5/26/2017		12			
6/27/2017					
6/28/2017		11			
6/29/2017					

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/30/2017					
7/11/2017					
7/13/2017	630				
7/17/2017					
10/3/2017		7.9			
10/4/2017					
10/5/2017					
10/10/2017					
10/11/2017	540		20		
10/12/2017				17	
10/16/2017					
11/20/2017			24	71	
1/10/2018				66	
1/11/2018			23		
2/19/2018				57.2	
2/20/2018			20.6		
4/2/2018					
4/3/2018			24.5	49.4	
4/4/2018	430				
6/5/2018					
6/6/2018					
6/7/2018		8.8			
6/8/2018					
6/11/2018					
6/28/2018			22	43.8	
8/6/2018					
8/7/2018			20.7	40.5	
9/19/2018	395				
9/24/2018			21.2	39.7	
9/25/2018					
9/26/2018					
10/1/2018		9.1			
10/2/2018					
2/25/2019					
3/26/2019				34.3	
3/27/2019	437		17.7		
3/28/2019					
3/29/2019		9			
4/1/2019					
4/2/2019					
4/3/2019					
6/12/2019					
9/24/2019		9.1			
9/25/2019					
9/26/2019					
10/8/2019					
10/9/2019	<1		14.85 (D)	27.75 (D)	
10/10/2019					
3/17/2020	439				
3/18/2020					
3/19/2020		12.4			
3/24/2020				25.2	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
3/25/2020			14.3		
7/6/2020	385				
8/27/2020					144
8/28/2020	394				
9/22/2020					156
9/23/2020	430	11.8			
9/24/2020			11.7	22.9	
9/25/2020					
10/7/2020	427				156
11/12/2020	385				147
3/1/2021					139
3/2/2021	387				
3/3/2021		10.6			
3/4/2021			12	21.5	
8/19/2021					
8/20/2021					122
8/26/2021			19.2		
8/27/2021	423	16.7			
9/1/2021					
9/3/2021				21.3	
2/8/2022			14.6	17.9	
2/9/2022	415	18			119
2/10/2022					
2/11/2022					
8/30/2022		20.1			
8/31/2022	459		10.9	17.9	122
2/7/2023		17.8	9.7		
2/8/2023				17.5	
2/9/2023					
2/10/2023	517				114
8/15/2023	419	17.2	7.6	16.4	96.5
8/16/2023					
2/20/2024		23.1	8.6	17.2	
2/21/2024	511				98.9
2/23/2024					
8/20/2024		21.3			
8/21/2024	518		6.6	18.2	
8/22/2024					87.1
2/25/2025		13.8	6.5	15.4	
2/26/2025	463				86.6
8/12/2025		15.5	6.5	16.9	97.6
8/13/2025	455				

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3I (bg)	YGWA-3D (bg)	YGWA-4I (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-14S (bg)	YGWA-5I (bg)
6/1/2016	54	120	150						
6/2/2016				130	96	36	160	46	66
6/6/2016									
6/7/2016									
7/25/2016	48		135			50			
7/26/2016		94		141	92		177	54	78
7/27/2016									
7/28/2016									
8/30/2016									
8/31/2016									
9/1/2016									
9/13/2016	67	105							
9/14/2016			127		102		187		73
9/15/2016				153				54	
9/16/2016									
9/19/2016						35			
11/1/2016		44	75	92		<25			
11/2/2016					115		181	71	
11/3/2016									
11/4/2016	60								75
11/14/2016									
11/15/2016									
11/16/2016									
11/28/2016									
12/15/2016									
1/10/2017								45	
1/11/2017		107	148	159					
1/12/2017							202		86
1/13/2017					67				
1/16/2017	65					47			
2/21/2017						<25			
2/22/2017									
2/24/2017									
2/27/2017									
2/28/2017									
3/1/2017			182						
3/2/2017	61	98		117					
3/3/2017									
3/6/2017					159				
3/7/2017							257		108
3/8/2017								178	
4/26/2017			92	181		55		52	
4/27/2017	31	116							
4/28/2017									
5/1/2017					107		165		
5/2/2017									103
5/8/2017									
5/9/2017									
5/26/2017									
6/27/2017	42	89					189		73
6/28/2017			126	169					
6/29/2017					79				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3I (bg)	YGWA-3D (bg)	YGWA-4I (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-14S (bg)	YGWA-5I (bg)
6/30/2017						42		45	
7/11/2017									
7/13/2017									
7/17/2017									
10/3/2017	58	119					170		89
10/4/2017			147	141		31			
10/5/2017					95			40	
10/10/2017									
10/11/2017									
10/12/2017									
10/16/2017									
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018									
2/20/2018									
4/2/2018									
4/3/2018									
4/4/2018									
6/5/2018		127							
6/6/2018	96						151		
6/7/2018				95	90				142
6/8/2018			158					114	
6/11/2018						59			
6/28/2018									
8/6/2018									
8/7/2018									
9/19/2018									
9/24/2018									
9/25/2018									
9/26/2018					116		144		86
10/1/2018	60	117	138	165				50	
10/2/2018						57			
2/25/2019									
3/26/2019									
3/27/2019									
3/28/2019	87	87							
3/29/2019								63	
4/1/2019			19 (J)	149		54			
4/2/2019									
4/3/2019					111		142		83
6/12/2019									
9/24/2019	54	124					129		79
9/25/2019			159	157	117	51		64	
9/26/2019									
10/8/2019									
10/9/2019									
3/17/2020									
3/18/2020	35							57	
3/19/2020		116	148	146		47			
3/24/2020							139		68
3/25/2020					146				

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-1I (bg)	YGWA-1D (bg)	YGWA-3I (bg)	YGWA-3D (bg)	YGWA-4I (bg)	YGWA-30I (bg)	YGWA-5D (bg)	YGWA-14S (bg)	YGWA-5I (bg)
7/6/2020									
8/27/2020									
8/28/2020									
9/22/2020					83		104		75
9/23/2020	15	108	155	157					
9/24/2020						51			
9/25/2020								54	
10/7/2020									
11/12/2020									
3/1/2021						23			
3/2/2021							52	67	67
3/3/2021	39	99	111	137	80				
3/4/2021									
8/19/2021	44	105		144		50		54	
8/20/2021									
8/26/2021					93		123		86
8/27/2021			155						
9/1/2021									
9/3/2021									
2/8/2022									
2/9/2022	57	105	145	154					
2/10/2022							127	56	77
2/11/2022					102	66			
8/30/2022		116					148		86
8/31/2022	46		137	141	92	33		51	
2/7/2023	121	131					180		
2/8/2023			145	144		43		56	
2/9/2023					124				59
2/10/2023									
8/15/2023	65	121		231	99		219	69	76
8/16/2023			148			48			
2/20/2024	59	130	220	294	140	55	639 (O)		137
2/21/2024									
2/23/2024								64	
8/20/2024	67	140	179	164	128	69	212	81	108
8/21/2024									
8/22/2024									
2/25/2025	47	121	136	147	105	51	146	64	83
2/26/2025									
8/12/2025	50	113	156	154	115	63	159	60	87
8/13/2025									

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-17S (bg)	YGWA-21I (bg)	YGWA-20S (bg)	YGWA-47 (bg)	GWA-2 (bg)	YGWC-44	YGWC-45
6/1/2016									
6/2/2016									
6/6/2016	120	58							
6/7/2016			28	60	38				
7/25/2016									
7/26/2016									
7/27/2016	94	35	74		74				
7/28/2016				81					
8/30/2016						319			
8/31/2016							209	332	402
9/1/2016									
9/13/2016									
9/14/2016									
9/15/2016									
9/16/2016		35	67						
9/19/2016	92			68	45				
11/1/2016									
11/2/2016					53				
11/3/2016	104	48	41	61					
11/4/2016									
11/14/2016						280			445
11/15/2016								356	
11/16/2016									
11/28/2016							102		
12/15/2016									
1/10/2017									
1/11/2017	133	95	104						
1/12/2017									
1/13/2017				76	46				
1/16/2017									
2/21/2017									
2/22/2017							164		
2/24/2017						162			
2/27/2017									346
2/28/2017								483	
3/1/2017	119	79							
3/2/2017			77						
3/3/2017									
3/6/2017				167	164				
3/7/2017									
3/8/2017									
4/26/2017	162	36		50	34				
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017			142						
5/8/2017						194	145	296	
5/9/2017									388
5/26/2017									
6/27/2017									
6/28/2017	98	45							
6/29/2017			53	94	68				

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-17S (bg)	YGWA-21I (bg)	YGWA-20S (bg)	YGWA-47 (bg)	GWA-2 (bg)	YGWC-44	YGWC-45
6/30/2017									
7/11/2017						193			
7/13/2017								345	433
7/17/2017							185		
10/3/2017				149					
10/4/2017		45	61		54				
10/5/2017	104								
10/10/2017						175		311	396
10/11/2017									
10/12/2017									
10/16/2017							218		
11/20/2017									
1/10/2018									
1/11/2018									
2/19/2018							173		
2/20/2018									
4/2/2018						192			
4/3/2018									418
4/4/2018								313	
6/5/2018				109					
6/6/2018					79				
6/7/2018	68								
6/8/2018									
6/11/2018		74	70						
6/28/2018									
8/6/2018							158		
8/7/2018									
9/19/2018						186		326	413
9/24/2018									
9/25/2018	109	63	86	122	73				
9/26/2018									
10/1/2018									
10/2/2018									
2/25/2019							92		
3/26/2019									
3/27/2019						170		302	383
3/28/2019									
3/29/2019									
4/1/2019									
4/2/2019			72	134					
4/3/2019	89	63			57				
6/12/2019							226		
9/24/2019				157					
9/25/2019			81		75				
9/26/2019	126	72							
10/8/2019						172	276	324	
10/9/2019									432
3/17/2020						165	185	283	391
3/18/2020									
3/19/2020									
3/24/2020	91	59	71	117	76				
3/25/2020									

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWA-18I (bg)	YGWA-18S (bg)	YGWA-17S (bg)	YGWA-21I (bg)	YGWA-20S (bg)	YGWA-47 (bg)	GWA-2 (bg)	YGWC-44	YGWC-45
7/6/2020									
8/27/2020									
8/28/2020									
9/22/2020						141	281	294	
9/23/2020	103	81	99						404
9/24/2020				113	69				
9/25/2020									
10/7/2020									
11/12/2020									
3/1/2021						145		276	379
3/2/2021							296		
3/3/2021	95	37	57		53				
3/4/2021				110					
8/19/2021						134		333	391
8/20/2021							254		
8/26/2021		31							
8/27/2021	112		93		67				
9/1/2021				137					
9/3/2021									
2/8/2022						151	283		
2/9/2022	103	60	81	131	72			311	400
2/10/2022									
2/11/2022									
8/30/2022	100	52	81	122			244		
8/31/2022					62	116		343	445
2/7/2023	96	55	78	163	89		207		
2/8/2023						141		337	
2/9/2023									394
2/10/2023									
8/15/2023	96	81	74	126	62	186	230	319	404
8/16/2023									
2/20/2024	129		77	156	164	159	214		
2/21/2024								309	418
2/23/2024		52							
8/20/2024	128		86	143	75	155			
8/21/2024		79						320	442
8/22/2024									
2/25/2025	110	69	93	110	69	147			
2/26/2025								309	456
8/12/2025	95	54	92	120	68	167		315	
8/13/2025									457

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/1/2016					
6/2/2016					
6/6/2016					
6/7/2016					
7/25/2016					
7/26/2016					
7/27/2016					
7/28/2016					
8/30/2016					
8/31/2016					
9/1/2016	1240				
9/13/2016					
9/14/2016		152			
9/15/2016					
9/16/2016					
9/19/2016					
11/1/2016					
11/2/2016					
11/3/2016					
11/4/2016		148			
11/14/2016					
11/15/2016					
11/16/2016	1220				
11/28/2016					
12/15/2016		191			
1/10/2017					
1/11/2017					
1/12/2017					
1/13/2017					
1/16/2017		180			
2/21/2017					
2/22/2017					
2/24/2017					
2/27/2017	1060				
2/28/2017					
3/1/2017					
3/2/2017					
3/3/2017		156			
3/6/2017					
3/7/2017					
3/8/2017					
4/26/2017					
4/27/2017					
4/28/2017		130			
5/1/2017					
5/2/2017					
5/8/2017	1160				
5/9/2017					
5/26/2017		223			
6/27/2017					
6/28/2017		166			
6/29/2017					

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
6/30/2017					
7/11/2017					
7/13/2017	996				
7/17/2017					
10/3/2017		153			
10/4/2017					
10/5/2017					
10/10/2017					
10/11/2017	835		68		
10/12/2017				74	
10/16/2017					
11/20/2017			139	179	
1/10/2018				140	
1/11/2018			153		
2/19/2018				119	
2/20/2018			87		
4/2/2018					
4/3/2018			85	106	
4/4/2018	1470				
6/5/2018					
6/6/2018					
6/7/2018		146			
6/8/2018					
6/11/2018					
6/28/2018			88	112	
8/6/2018					
8/7/2018			89	103	
9/19/2018	702				
9/24/2018			82	107	
9/25/2018					
9/26/2018					
10/1/2018		155			
10/2/2018					
2/25/2019					
3/26/2019				90	
3/27/2019	641		75		
3/28/2019					
3/29/2019		150			
4/1/2019					
4/2/2019					
4/3/2019					
6/12/2019					
9/24/2019		146			
9/25/2019					
9/26/2019					
10/8/2019					
10/9/2019	809		119	98	
3/17/2020	733				
3/18/2020					
3/19/2020		148			
3/24/2020				84	
3/25/2020			158		

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/10/2026 10:47 AM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A	YGWA-2I (bg)	YGWA-39 (bg)	YGWA-40 (bg)	YGWC-52
7/6/2020	793				
8/27/2020					349
8/28/2020	838				
9/22/2020					296
9/23/2020	832	161			
9/24/2020			170	77	
9/25/2020					
10/7/2020	842				336
11/12/2020	760				317
3/1/2021					265
3/2/2021	782				
3/3/2021		138			
3/4/2021			168	57	
8/19/2021					
8/20/2021					289
8/26/2021			249		
8/27/2021	810	150			
9/1/2021					
9/3/2021				88	
2/8/2022			248	93	
2/9/2022	846	156			278
2/10/2022					
2/11/2022					
8/30/2022		153			
8/31/2022	948		242	92	266
2/7/2023		159	224		
2/8/2023				115	
2/9/2023					
2/10/2023	995				228
8/15/2023	945	157	225	83	267
8/16/2023					
2/20/2024		159	233	109	
2/21/2024	1100				274
2/23/2024					
8/20/2024		184			
8/21/2024	1060		235	94	
8/22/2024					232
2/25/2025		156	228	86	
2/26/2025	1030				205
8/12/2025		152	244	89	220
8/13/2025	1010				

FIGURE E.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 10/13/2025, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	YGWA-39 (bg)	0.01615	141	92	Yes	22	4.545	n/a	0.01	NP
Boron (mg/L)	YGWA-40 (bg)	-0.01006	-148	-92	Yes	22	0	n/a	0.01	NP
Boron (mg/L)	YGWC-46A	0.1185	164	118	Yes	26	0	n/a	0.01	NP
Calcium (mg/L)	GWA-2 (bg)	2.258	92	81	Yes	20	5	n/a	0.01	NP
Calcium (mg/L)	YGWA-1D (bg)	0.4718	166	111	Yes	25	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-1I (bg)	-0.07631	-169	-111	Yes	25	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-5I (bg)	0.06854	199	118	Yes	26	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-17S (bg)	0.1354	245	118	Yes	26	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-18S (bg)	-0.05817	-209	-111	Yes	25	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-30I (bg)	0.02565	125	111	Yes	25	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-39 (bg)	2.384	158	92	Yes	22	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-47 (bg)	-0.631	-143	-92	Yes	22	4.545	n/a	0.01	NP
Calcium (mg/L)	YGWC-46A	5.124	194	118	Yes	26	0	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	0.2946	117	81	Yes	20	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-3D (bg)	-0.03226	-141	-111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-4I (bg)	0.09213	130	111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-5D (bg)	-0.4959	-241	-118	Yes	26	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-17S (bg)	0.8992	264	118	Yes	26	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-18I (bg)	0.08948	145	111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-20S (bg)	0.07961	177	118	Yes	26	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-30I (bg)	-0.03179	-114	-111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-47 (bg)	-0.2858	-155	-92	Yes	22	0	n/a	0.01	NP
Sulfate (mg/L)	GWA-2 (bg)	9.755	89	81	Yes	20	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-1D (bg)	0.8085	219	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-2I (bg)	1.162	151	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-3D (bg)	0.2153	145	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-3I (bg)	0.8199	150	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-5D (bg)	-1.91	-231	-118	Yes	26	3.846	n/a	0.01	NP
Sulfate (mg/L)	YGWA-5I (bg)	0.06851	194	118	Yes	26	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-18S (bg)	-0.1141	-187	-111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-30I (bg)	-0.05578	-115	-111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-39 (bg)	-2.287	-182	-92	Yes	22	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-40 (bg)	-4.774	-178	-92	Yes	22	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-47 (bg)	-8.917	-166	-92	Yes	22	0	n/a	0.01	NP
Sulfate (mg/L)	YGWC-45	-3.49	-108	-92	Yes	22	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-21I (bg)	7.481	112	111	Yes	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-39 (bg)	22.45	137	92	Yes	22	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-47 (bg)	-7.486	-117	-92	Yes	22	0	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 10/13/2025, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	GWA-2 (bg)	0	26	81	No	20	65	n/a	0.01	NP
Boron (mg/L)	YGWA-1D (bg)	0.001404	98	111	No	25	48	n/a	0.01	NP
Boron (mg/L)	YGWA-1I (bg)	0	-1	-111	No	25	72	n/a	0.01	NP
Boron (mg/L)	YGWA-2I (bg)	0	18	111	No	25	84	n/a	0.01	NP
Boron (mg/L)	YGWA-3D (bg)	0	48	111	No	25	68	n/a	0.01	NP
Boron (mg/L)	YGWA-3I (bg)	0	9	111	No	25	88	n/a	0.01	NP
Boron (mg/L)	YGWA-4I (bg)	0	37	111	No	25	76	n/a	0.01	NP
Boron (mg/L)	YGWA-5D (bg)	0.0005665	100	111	No	25	24	n/a	0.01	NP
Boron (mg/L)	YGWA-5I (bg)	0	-6	-111	No	25	68	n/a	0.01	NP
Boron (mg/L)	YGWA-14S (bg)	-0.00003102	-16	-111	No	25	4	n/a	0.01	NP
Boron (mg/L)	YGWA-17S (bg)	0.0004886	102	111	No	25	16	n/a	0.01	NP
Boron (mg/L)	YGWA-18I (bg)	0	2	111	No	25	84	n/a	0.01	NP
Boron (mg/L)	YGWA-18S (bg)	0.001007	88	111	No	25	28	n/a	0.01	NP
Boron (mg/L)	YGWA-20S (bg)	0	3	111	No	25	92	n/a	0.01	NP
Boron (mg/L)	YGWA-21I (bg)	0	-32	-111	No	25	52	n/a	0.01	NP
Boron (mg/L)	YGWA-30I (bg)	0	-1	-111	No	25	88	n/a	0.01	NP
Boron (mg/L)	**YGWA-39 (bg)**	**0.01615**	**141**	**92**	**Yes**	**22**	**4.545**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**YGWA-40 (bg)**	**-0.01006**	**-148**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	YGWA-47 (bg)	0	-1	-92	No	22	9.091	n/a	0.01	NP
Boron (mg/L)	YGWC-44	-0.01408	-86	-92	No	22	0	n/a	0.01	NP
Boron (mg/L)	YGWC-45	0.001448	24	92	No	22	0	n/a	0.01	NP
Boron (mg/L)	**YGWC-46A**	**0.1185**	**164**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-2 (bg)**	**2.258**	**92**	**81**	**Yes**	**20**	**5**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**YGWA-1D (bg)**	**0.4718**	**166**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**YGWA-1I (bg)**	**-0.07631**	**-169**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWA-2I (bg)	0.1311	31	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-3D (bg)	0.1421	54	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-3I (bg)	0.3732	102	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-4I (bg)	0.06164	40	118	No	26	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-5D (bg)	-0.8124	-115	-118	No	26	0	n/a	0.01	NP
Calcium (mg/L)	**YGWA-5I (bg)**	**0.06854**	**199**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWA-14S (bg)	0.009033	59	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	**YGWA-17S (bg)**	**0.1354**	**245**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWA-18I (bg)	0.05126	67	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	**YGWA-18S (bg)**	**-0.05817**	**-209**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWA-20S (bg)	0.03614	115	118	No	26	0	n/a	0.01	NP
Calcium (mg/L)	YGWA-21I (bg)	0.3319	85	118	No	26	0	n/a	0.01	NP
Calcium (mg/L)	**YGWA-30I (bg)**	**0.02565**	**125**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**YGWA-39 (bg)**	**2.384**	**158**	**92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWA-40 (bg)	-0.2173	-79	-92	No	22	4.545	n/a	0.01	NP
Calcium (mg/L)	**YGWA-47 (bg)**	**-0.631**	**-143**	**-92**	**Yes**	**22**	**4.545**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	YGWC-45	0.3243	33	92	No	22	0	n/a	0.01	NP
Calcium (mg/L)	**YGWC-46A**	**5.124**	**194**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**GWA-2 (bg)**	**0.2946**	**117**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWA-1D (bg)	0	-57	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-1I (bg)	-0.01371	-62	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-2I (bg)	-0.01876	-80	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-3D (bg)**	**-0.03226**	**-141**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWA-3I (bg)	-0.02211	-110	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-4I (bg)**	**0.09213**	**130**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**YGWA-5D (bg)**	**-0.4959**	**-241**	**-118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWA-5I (bg)	0.03191	60	118	No	26	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-14S (bg)	0.06174	63	111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-17S (bg)**	**0.8992**	**264**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**YGWA-18I (bg)**	**0.08948**	**145**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

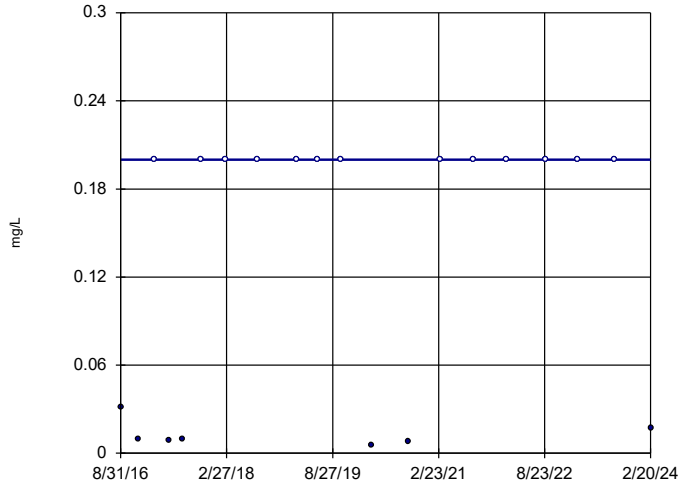
Plant Yates Client: Southern Company Data: Yates AP-1 Printed 10/13/2025, 1:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Chloride (mg/L)	YGWA-18S (bg)	0.06624	81	111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-20S (bg)**	**0.07961**	**177**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWA-21I (bg)	-0.05014	-80	-118	No	26	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-30I (bg)**	**-0.03179**	**-114**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWA-39 (bg)	0.3629	89	92	No	22	0	n/a	0.01	NP
Chloride (mg/L)	YGWA-40 (bg)	0.1586	85	92	No	22	0	n/a	0.01	NP
Chloride (mg/L)	**YGWA-47 (bg)**	**-0.2858**	**-155**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	YGWC-46A	0.7941	64	118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	**GWA-2 (bg)**	**9.755**	**89**	**81**	**Yes**	**20**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-1D (bg)**	**0.8085**	**219**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	YGWA-1I (bg)	-0.1096	-61	-111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	**YGWA-2I (bg)**	**1.162**	**151**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-3D (bg)**	**0.2153**	**145**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-3I (bg)**	**0.8199**	**150**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	YGWA-4I (bg)	0	8	118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	**YGWA-5D (bg)**	**-1.91**	**-231**	**-118**	**Yes**	**26**	**3.846**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-5I (bg)**	**0.06851**	**194**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	YGWA-14S (bg)	0.01475	16	111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-17S (bg)	-0.06194	-78	-118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	YGWA-18I (bg)	-0.07882	-111	-111	No	25	16	n/a	0.01	NP
Sulfate (mg/L)	**YGWA-18S (bg)**	**-0.1141**	**-187**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	YGWA-20S (bg)	0	117	118	No	26	61.54	n/a	0.01	NP
Sulfate (mg/L)	YGWA-21I (bg)	-0.152	-101	-118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	**YGWA-30I (bg)**	**-0.05578**	**-115**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-39 (bg)**	**-2.287**	**-182**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-40 (bg)**	**-4.774**	**-178**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWA-47 (bg)**	**-8.917**	**-166**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**YGWC-45**	**-3.49**	**-108**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	YGWC-46A	-12.62	-62	-118	No	26	3.846	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-2 (bg)	12.15	73	81	No	20	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-1D (bg)	2.421	97	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-1I (bg)	-0.05818	-4	-111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-2I (bg)	0.1619	13	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-3D (bg)	2.218	64	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-3I (bg)	2.103	59	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-4I (bg)	2.069	59	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-5D (bg)	-5.02	-62	-105	No	24	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-5I (bg)	0.4612	30	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-14S (bg)	1.35	71	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-17S (bg)	2.454	91	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-18I (bg)	-0.2098	-6	-111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-18S (bg)	1.112	42	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWA-20S (bg)	2.445	80	111	No	25	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**YGWA-21I (bg)**	**7.481**	**112**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	YGWA-30I (bg)	1.957	89	111	No	25	8	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**YGWA-39 (bg)**	**22.45**	**137**	**92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	YGWA-40 (bg)	-3.372	-69	-92	No	22	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	**YGWA-47 (bg)**	**-7.486**	**-117**	**-92**	**Yes**	**22**	**0**	**n/a**	**0.01**	**NP**
Total Dissolved Solids [TDS] (mg/L)	YGWC-45	4.101	63	92	No	22	0	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	YGWC-46A	2.98	12	118	No	26	0	n/a	0.01	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 26
critical = 81

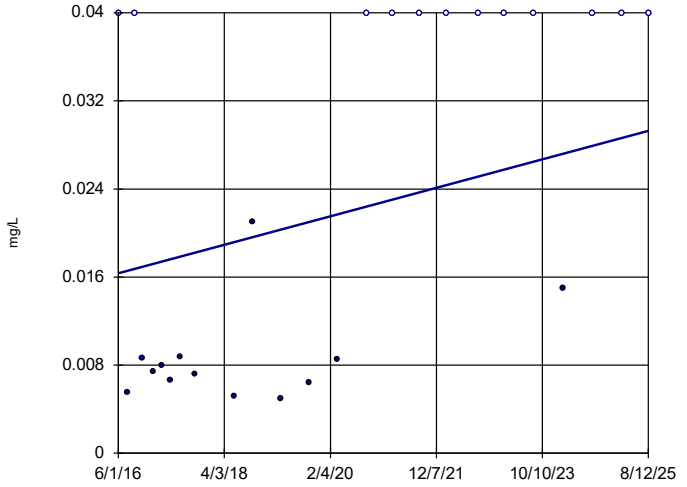
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-1D (bg)



n = 25

Slope = 0.001404 units per year.

Mann-Kendall statistic = 98
critical = 111

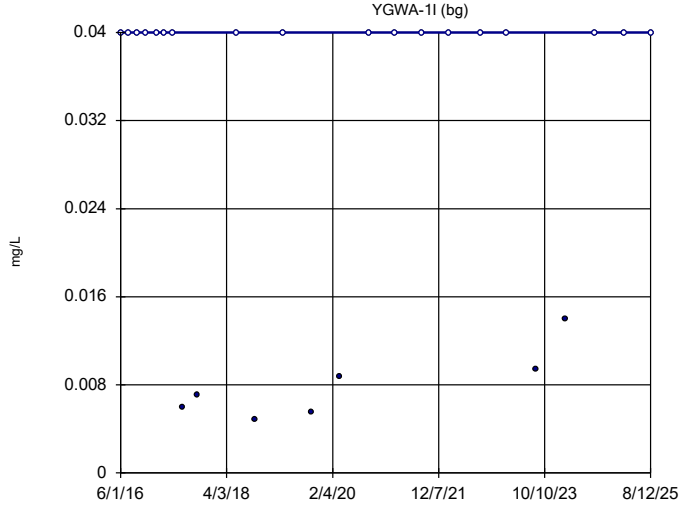
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-1I (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -111

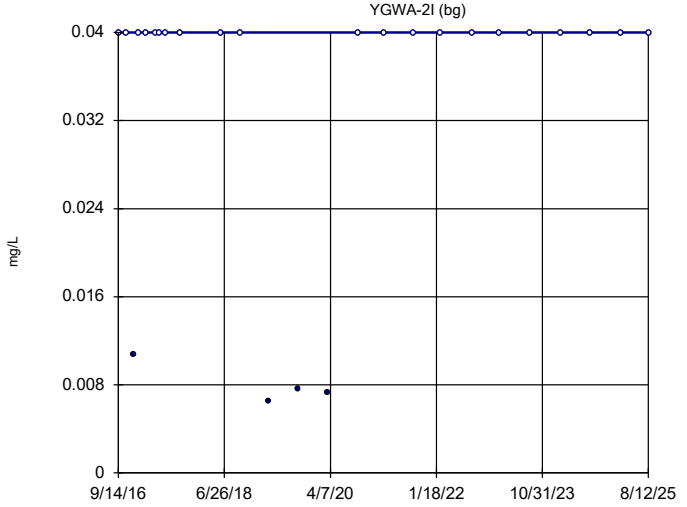
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-2I (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 111

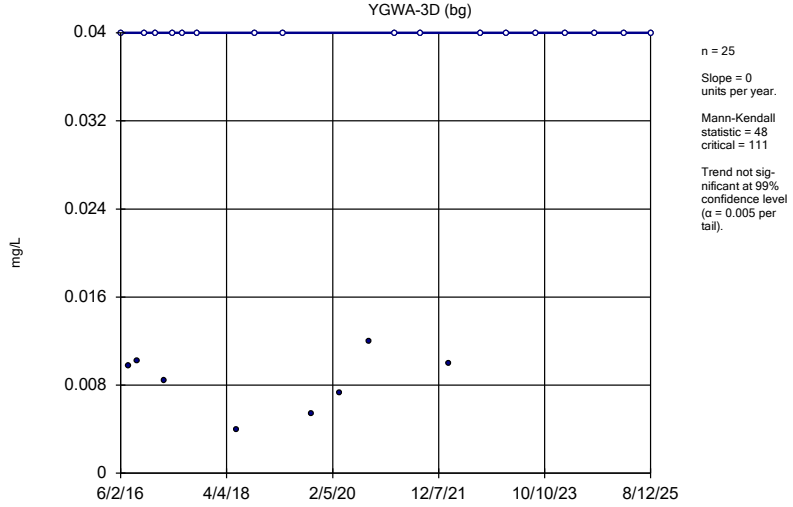
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-3D (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 48
critical = 111

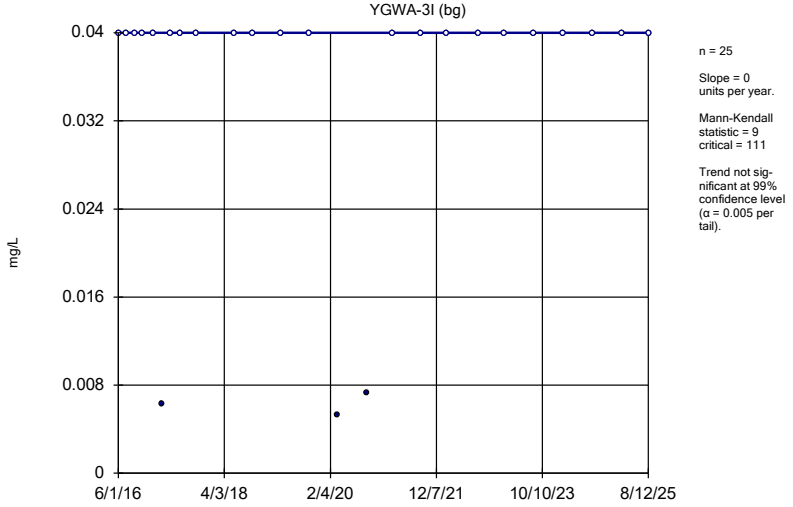
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-3I (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 111

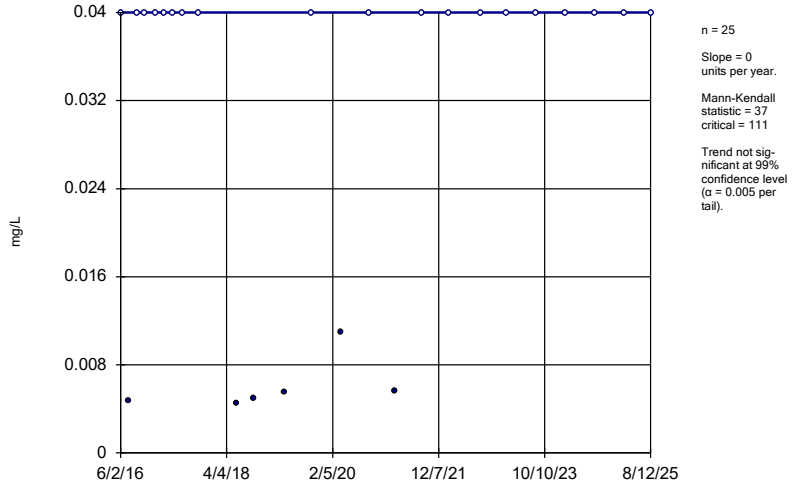
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-4I (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 37
critical = 111

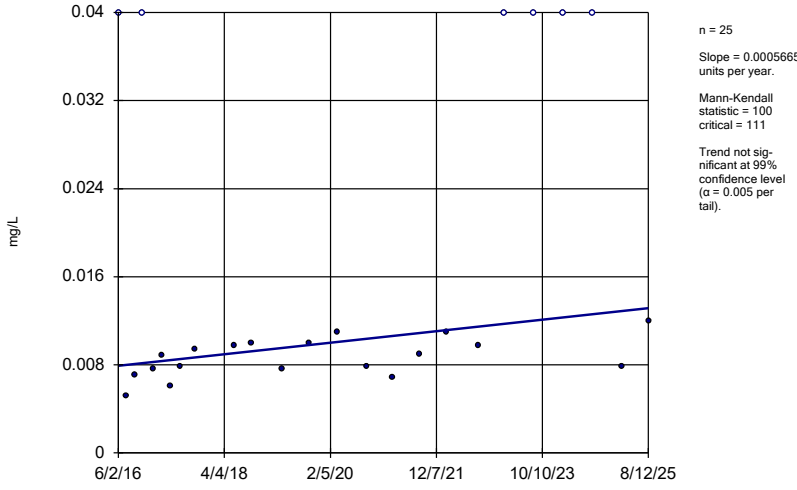
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-5D (bg)



n = 25

Slope = 0.0005665 units per year.

Mann-Kendall statistic = 100
critical = 111

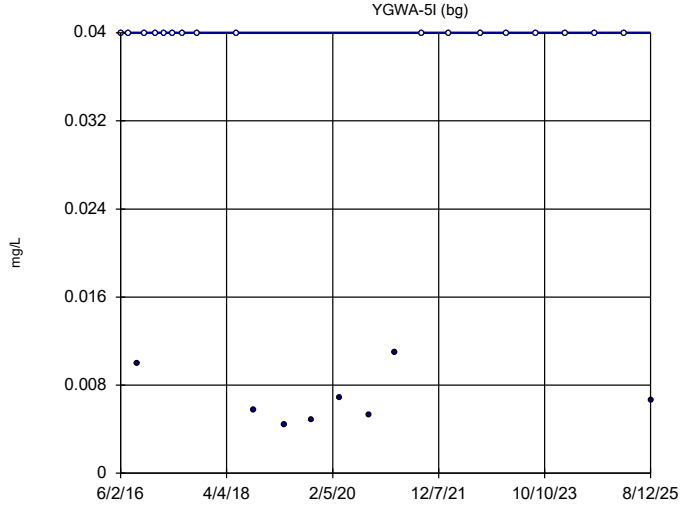
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-5I (bg)



n = 25

Slope = 0
units per year.

Mann-Kendall
statistic = -6
critical = -111

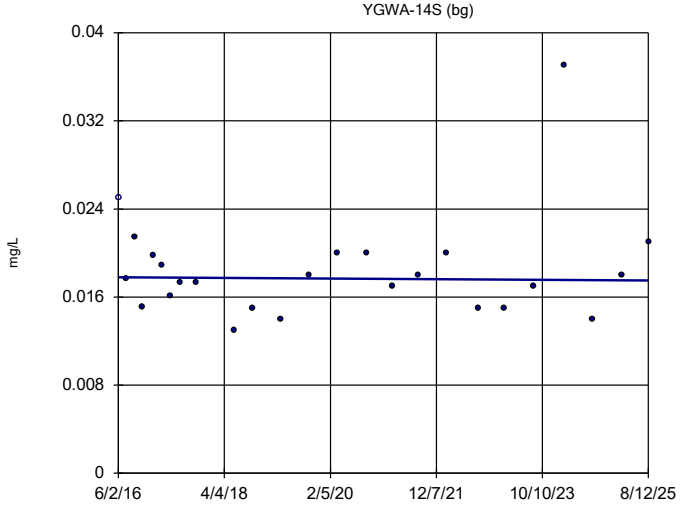
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-14S (bg)



n = 25

Slope = -0.00003102
units per year.

Mann-Kendall
statistic = -16
critical = -111

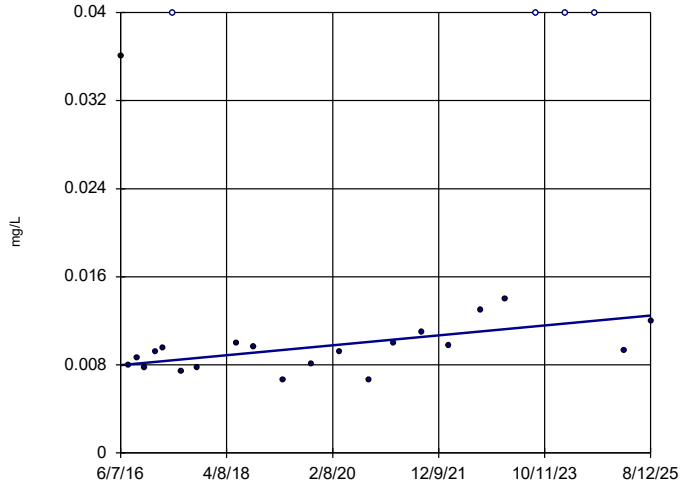
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-17S (bg)



n = 25

Slope = 0.0004886
units per year.

Mann-Kendall
statistic = 102
critical = 111

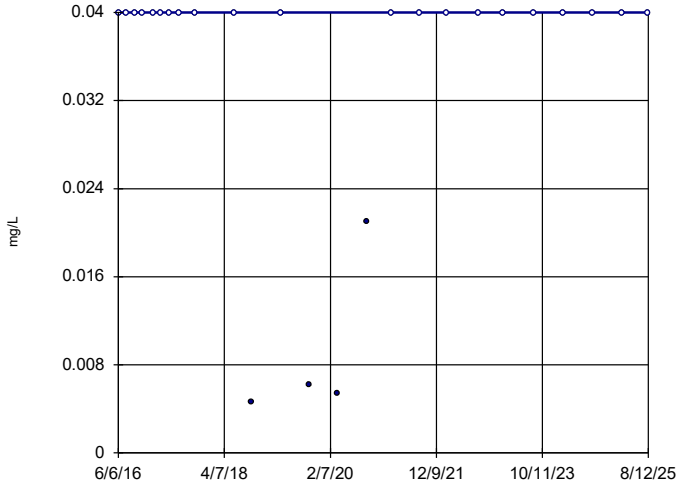
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-18I (bg)



n = 25

Slope = 0
units per year.

Mann-Kendall
statistic = 2
critical = 111

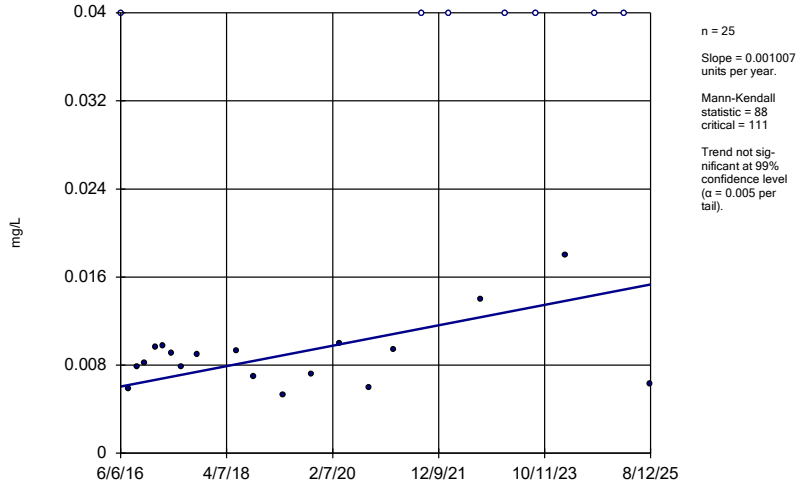
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-18S (bg)



n = 25

Slope = 0.001007 units per year.

Mann-Kendall statistic = 88
critical = 111

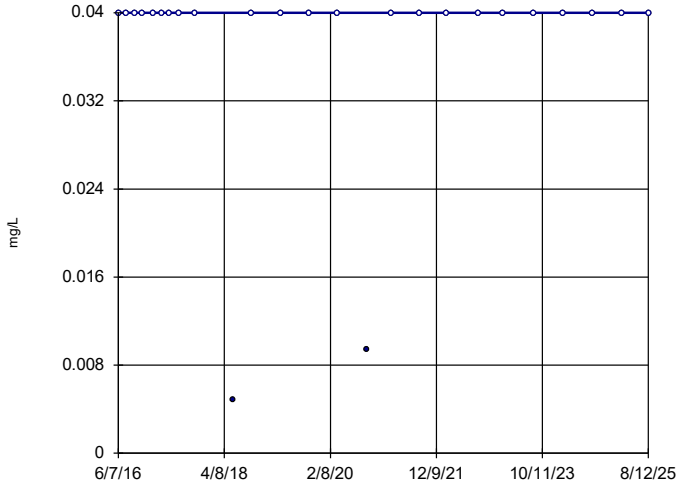
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-20S (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 111

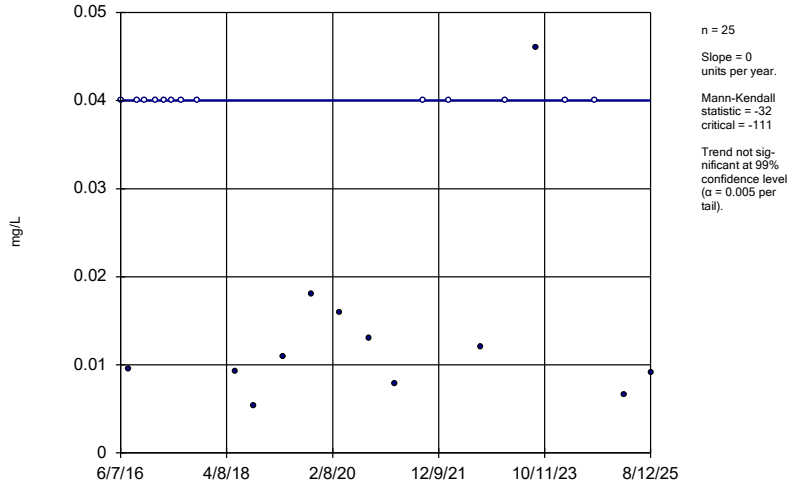
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-21I (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -32
critical = -111

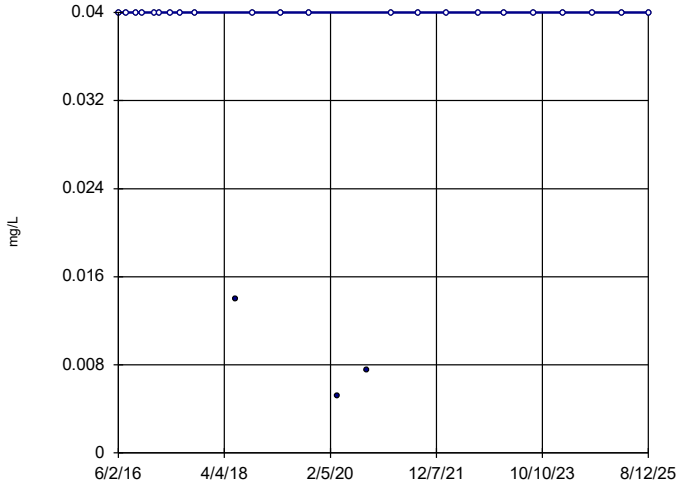
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-30I (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -111

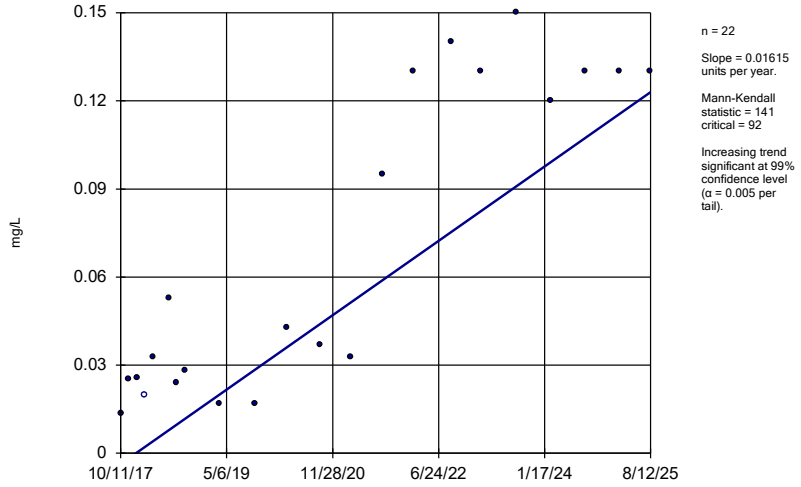
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-39 (bg)



n = 22

Slope = 0.01615 units per year.

Mann-Kendall statistic = 141
critical = 92

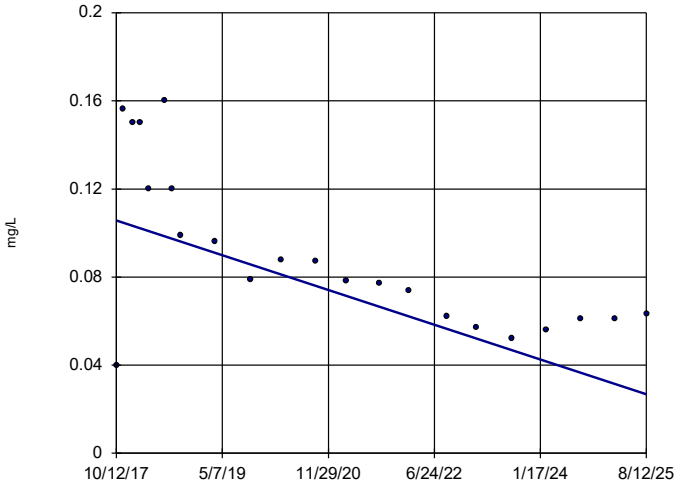
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-40 (bg)



n = 22

Slope = -0.01006 units per year.

Mann-Kendall statistic = -148
critical = -92

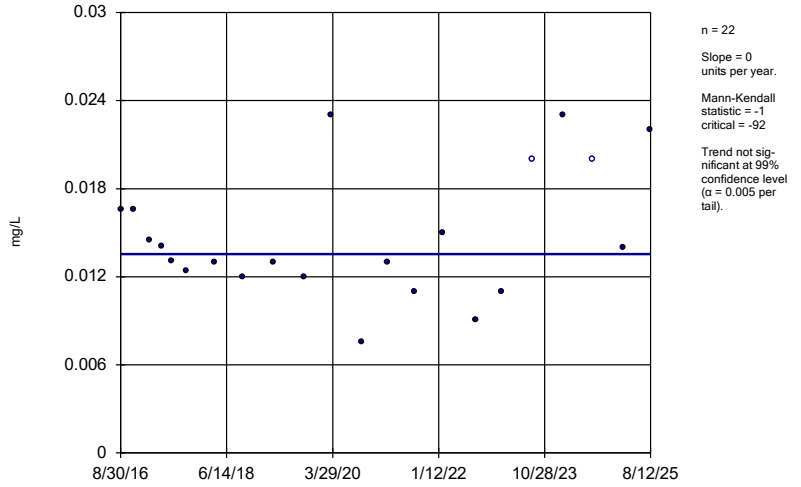
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-47 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -92

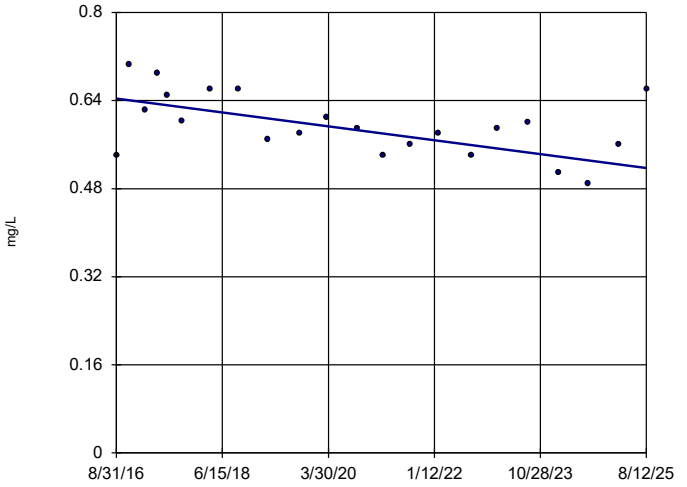
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWC-44



n = 22

Slope = -0.01408 units per year.

Mann-Kendall statistic = -86
critical = -92

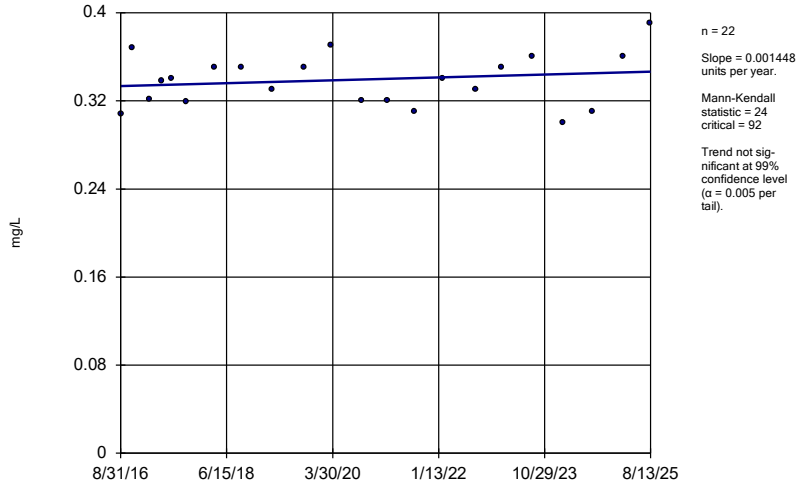
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWC-45



n = 22

Slope = 0.001448 units per year.

Mann-Kendall statistic = 24
critical = 92

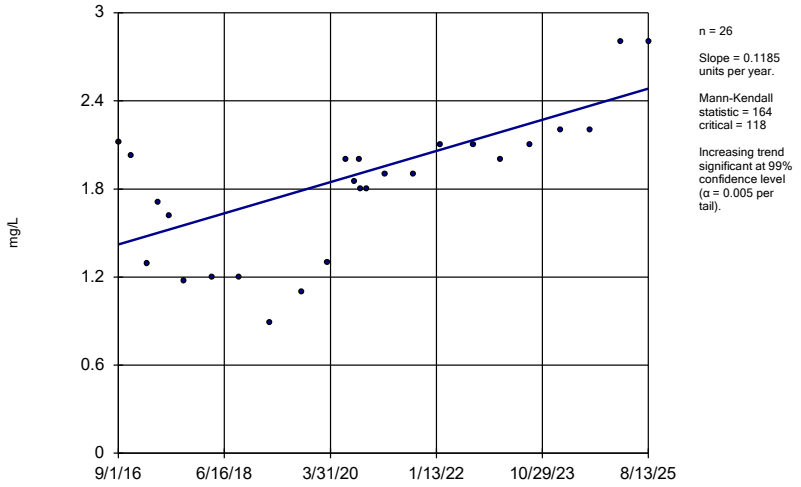
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWC-46A



n = 26

Slope = 0.1185 units per year.

Mann-Kendall statistic = 164
critical = 118

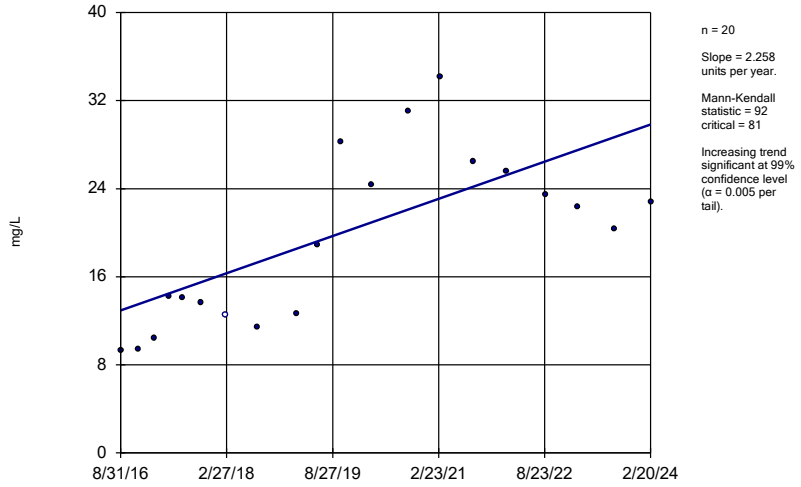
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 2.258 units per year.

Mann-Kendall statistic = 92
critical = 81

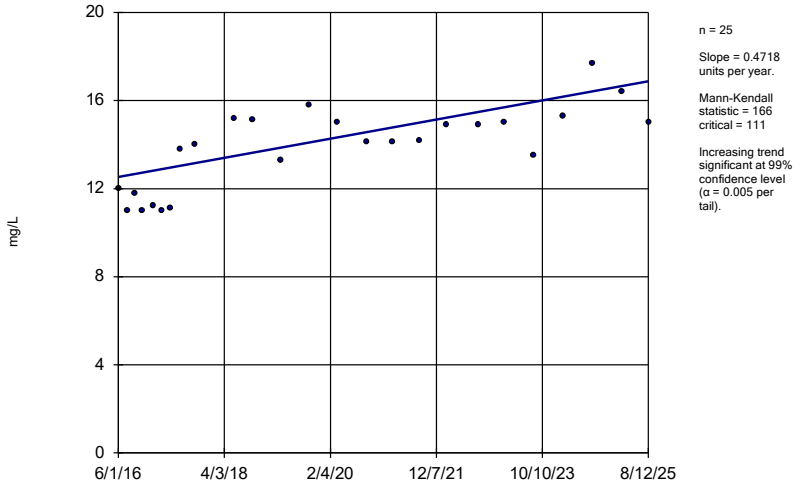
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-1D (bg)



n = 25

Slope = 0.4718 units per year.

Mann-Kendall statistic = 166
critical = 111

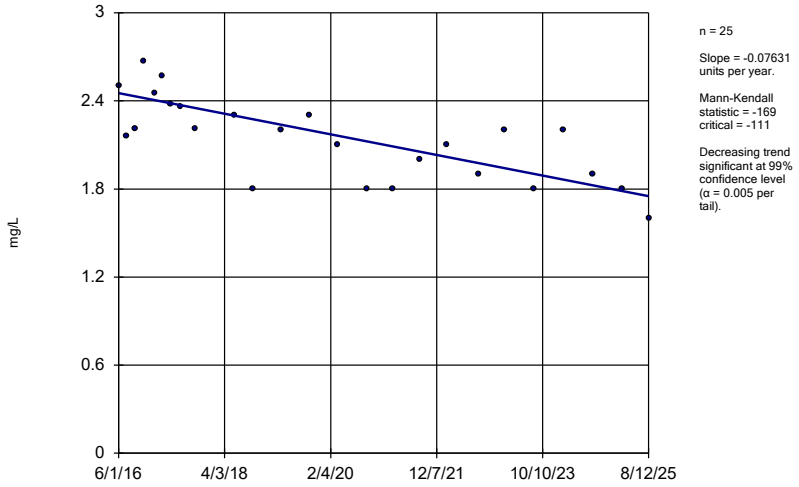
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-1I (bg)



n = 25

Slope = -0.07631 units per year.

Mann-Kendall statistic = -169 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

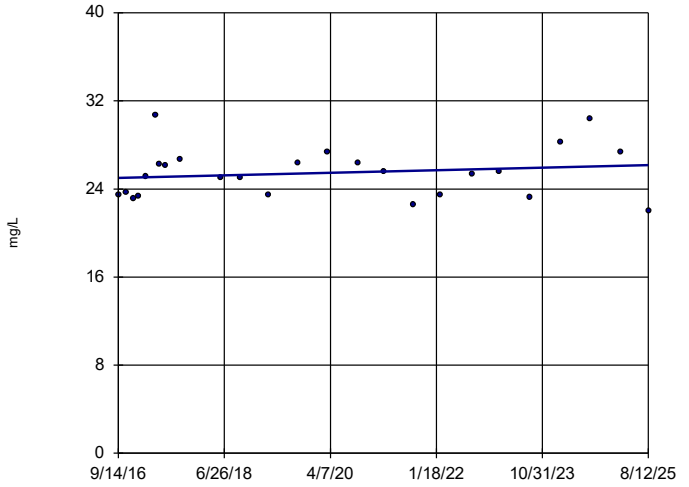
Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-2I (bg)



n = 25

Slope = 0.1311 units per year.

Mann-Kendall statistic = 31 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

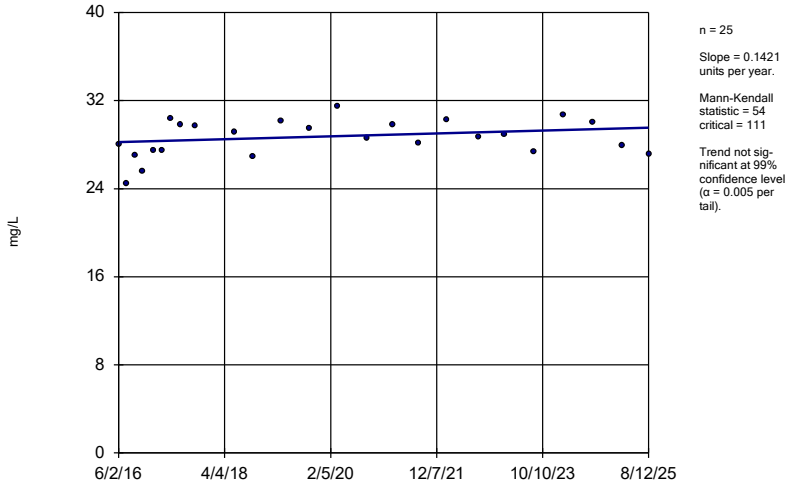
Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-3D (bg)



n = 25

Slope = 0.1421 units per year.

Mann-Kendall statistic = 54 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

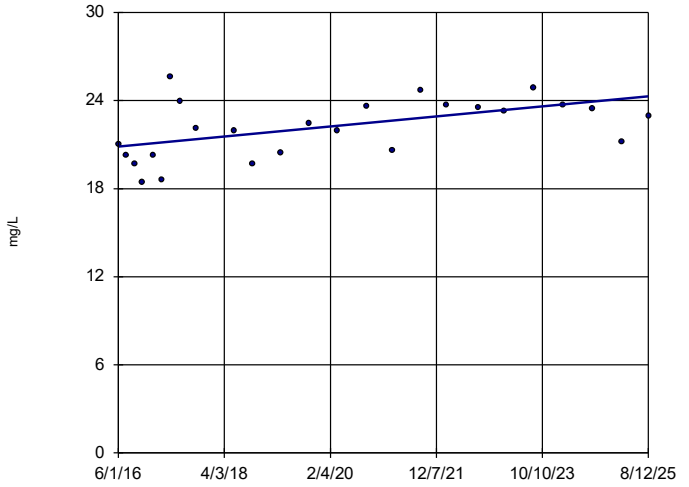
Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-3I (bg)



n = 25

Slope = 0.3732 units per year.

Mann-Kendall statistic = 102 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

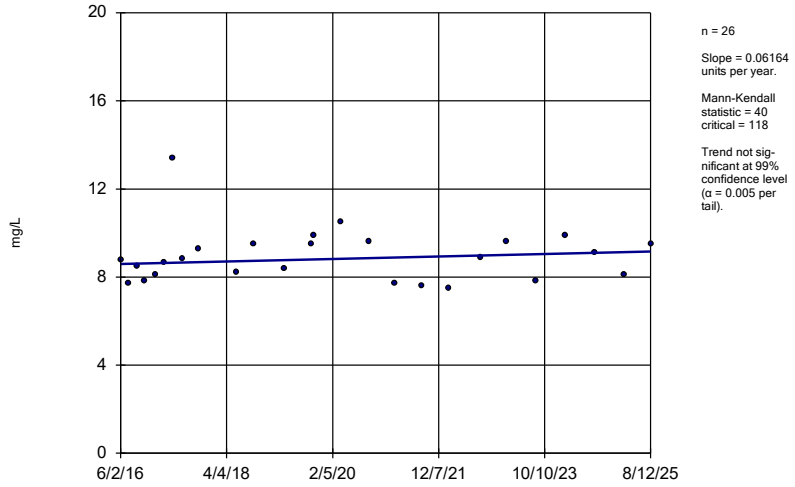
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-4I (bg)



n = 26

Slope = 0.06164 units per year.

Mann-Kendall statistic = 40 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

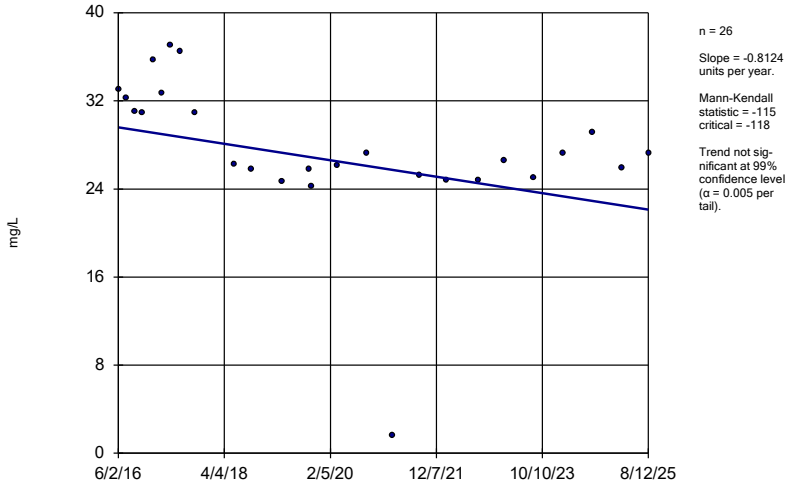
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-5D (bg)



n = 26

Slope = -0.8124 units per year.

Mann-Kendall statistic = -115 critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

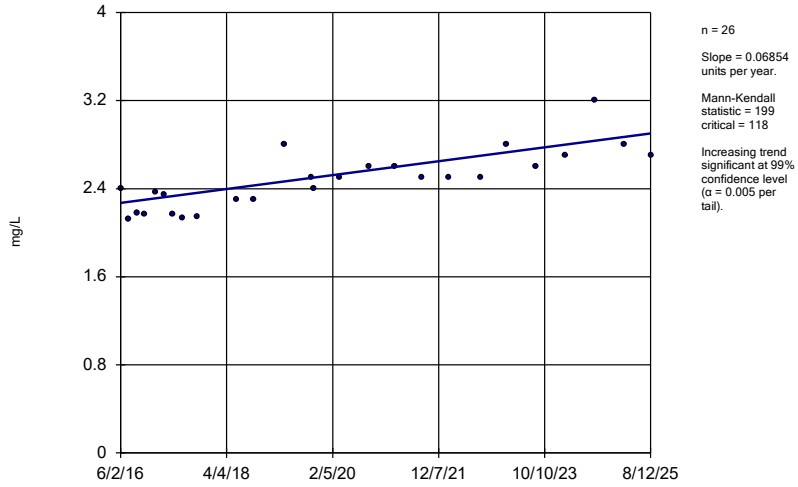
Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-5I (bg)



n = 26

Slope = 0.06854 units per year.

Mann-Kendall statistic = 199 critical = 118

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

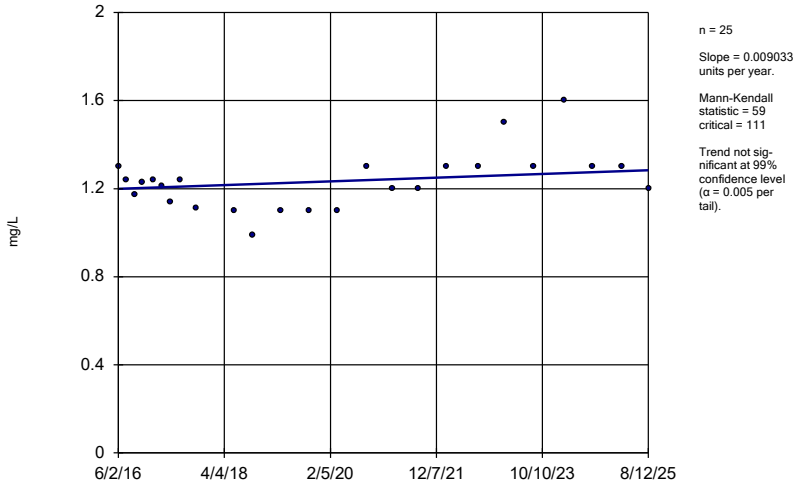
Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-14S (bg)



n = 25

Slope = 0.009033 units per year.

Mann-Kendall statistic = 59 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

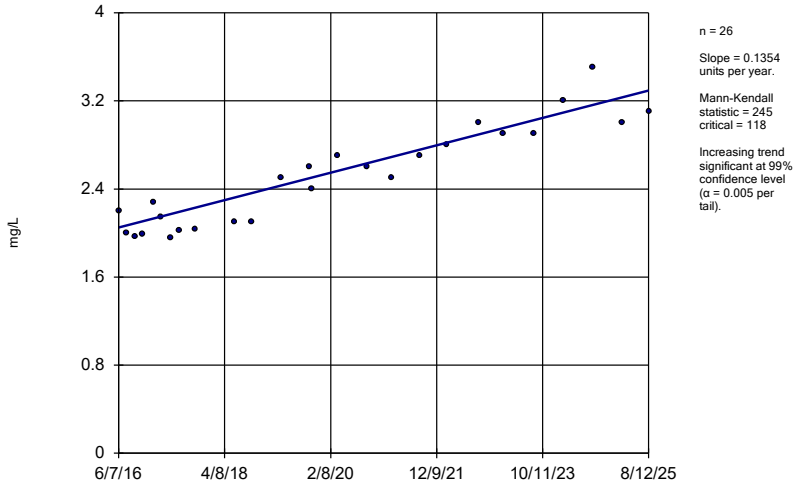
Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-17S (bg)



n = 26

Slope = 0.1354 units per year.

Mann-Kendall statistic = 245 critical = 118

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

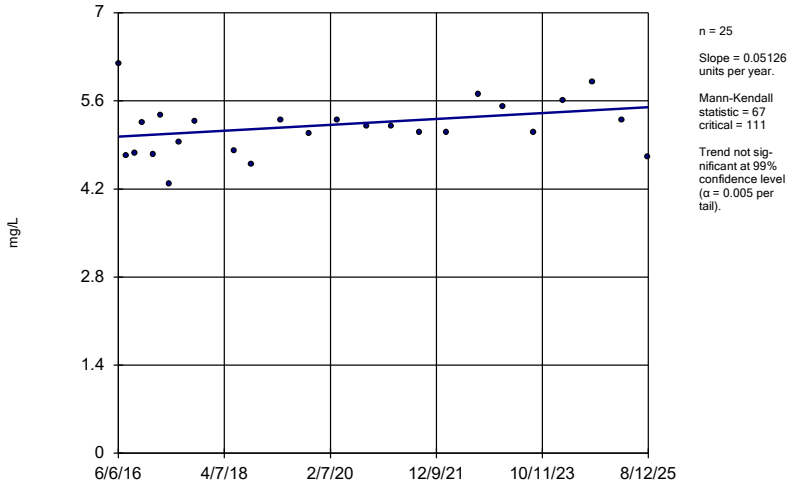
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-18I (bg)



n = 25

Slope = 0.05126 units per year.

Mann-Kendall statistic = 67 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

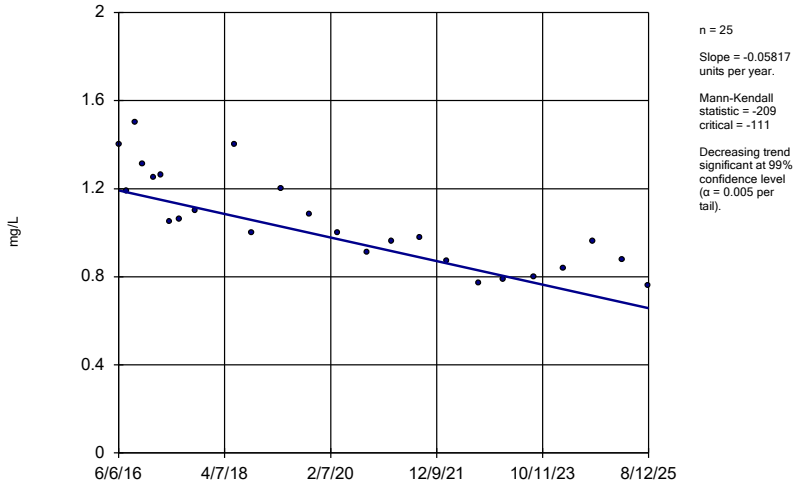
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-18S (bg)



n = 25

Slope = -0.05817 units per year.

Mann-Kendall statistic = -209 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

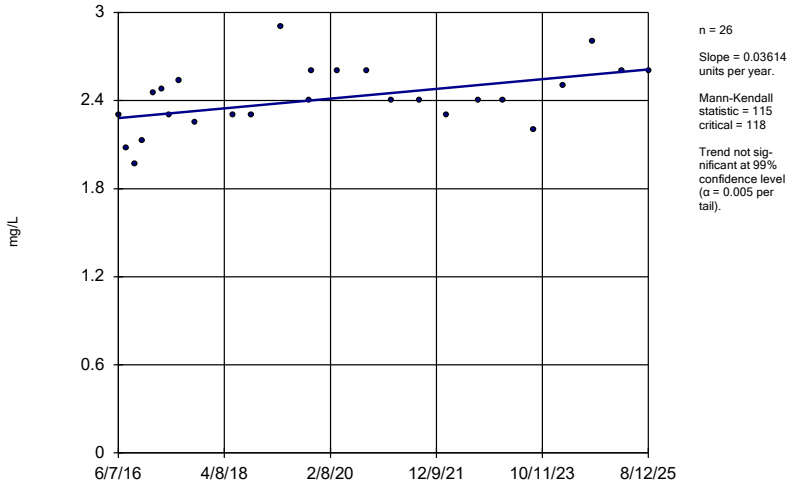
Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell

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Sen's Slope Estimator

YGWA-20S (bg)



n = 26

Slope = 0.03614 units per year.

Mann-Kendall statistic = 115 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

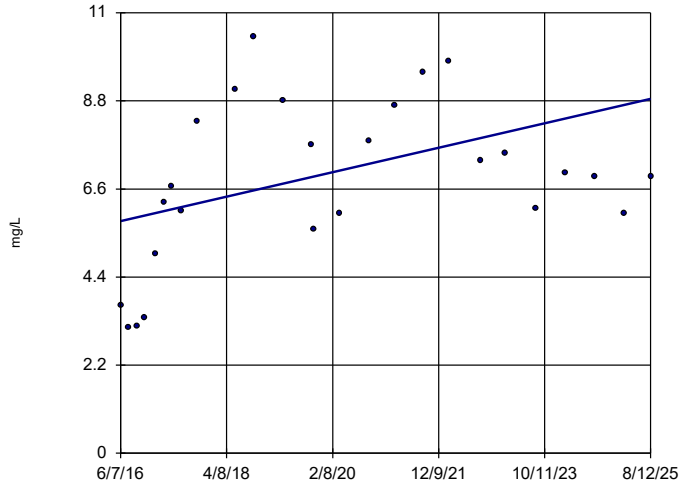
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-21I (bg)



n = 26

Slope = 0.3319 units per year.

Mann-Kendall statistic = 85
critical = 118

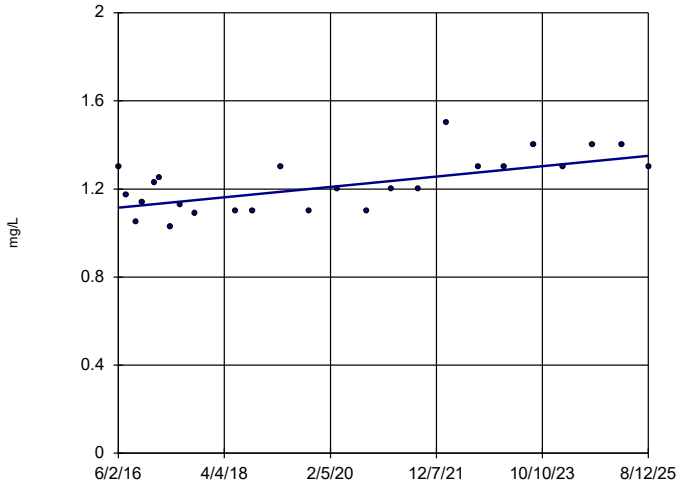
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-30I (bg)



n = 25

Slope = 0.02565 units per year.

Mann-Kendall statistic = 125
critical = 111

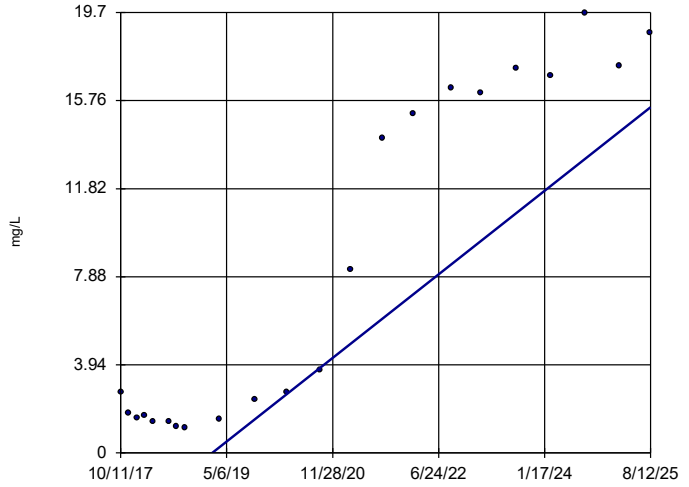
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-39 (bg)



n = 22

Slope = 2.384 units per year.

Mann-Kendall statistic = 158
critical = 92

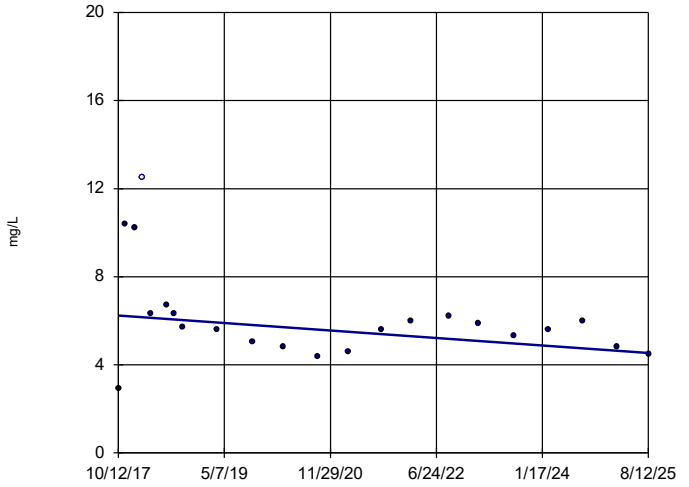
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-40 (bg)



n = 22

Slope = -0.2173 units per year.

Mann-Kendall statistic = -79
critical = -92

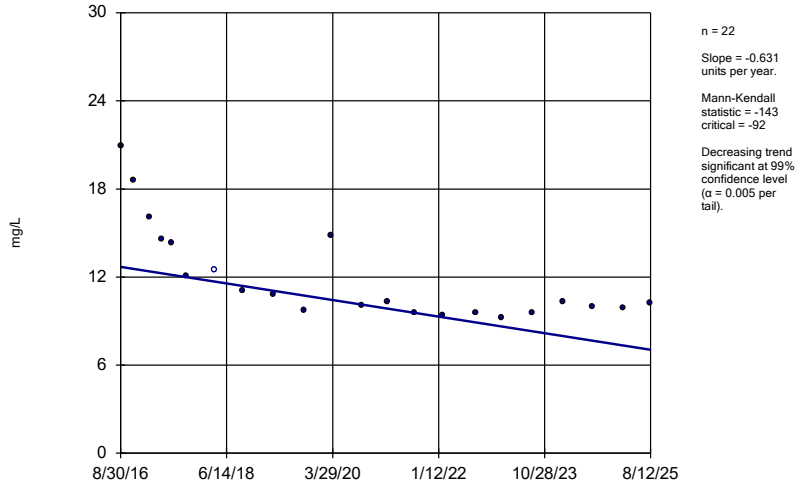
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-47 (bg)



n = 22

Slope = -0.631 units per year.

Mann-Kendall statistic = -143 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

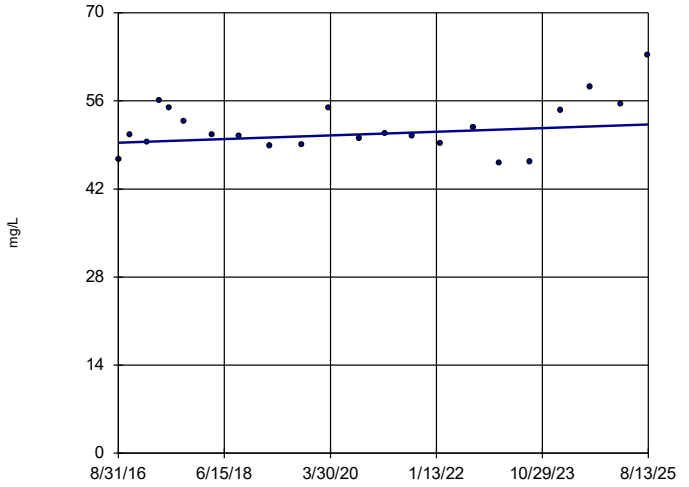
Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWC-45



n = 22

Slope = 0.3243 units per year.

Mann-Kendall statistic = 33 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

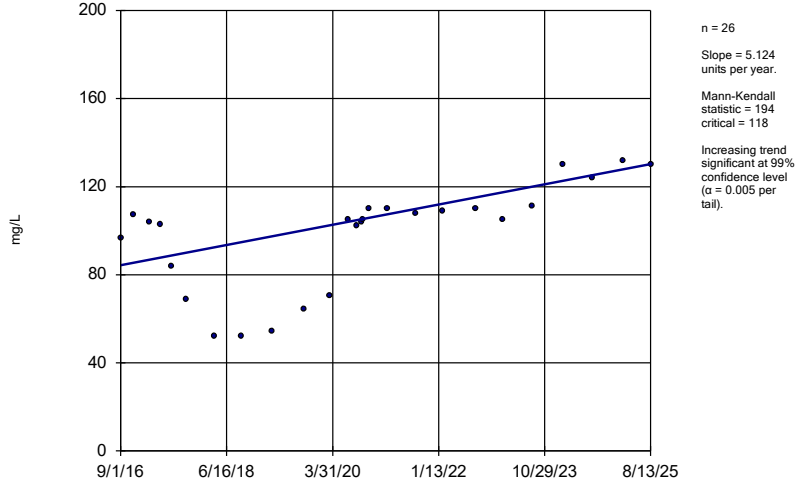
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWC-46A



n = 26

Slope = 5.124 units per year.

Mann-Kendall statistic = 194 critical = 118

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

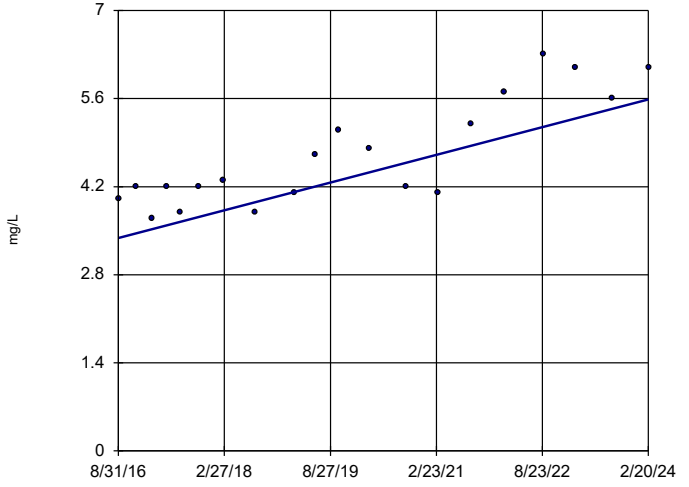
Constituent: Calcium Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 0.2946 units per year.

Mann-Kendall statistic = 117 critical = 81

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

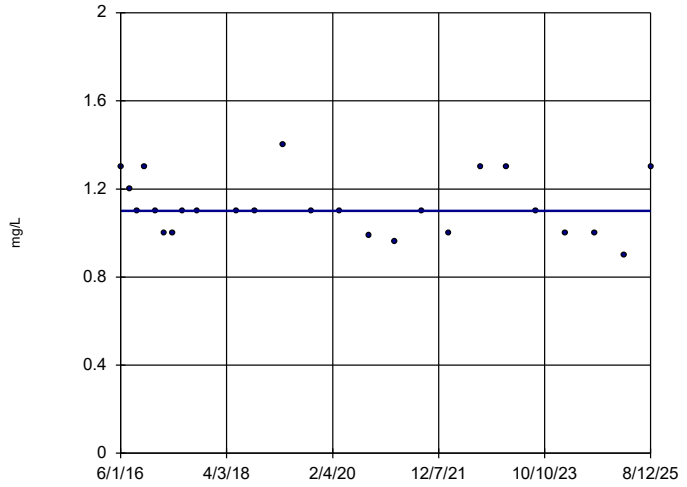
Constituent: Chloride Analysis Run 10/13/2025 1:17 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-1D (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -57 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

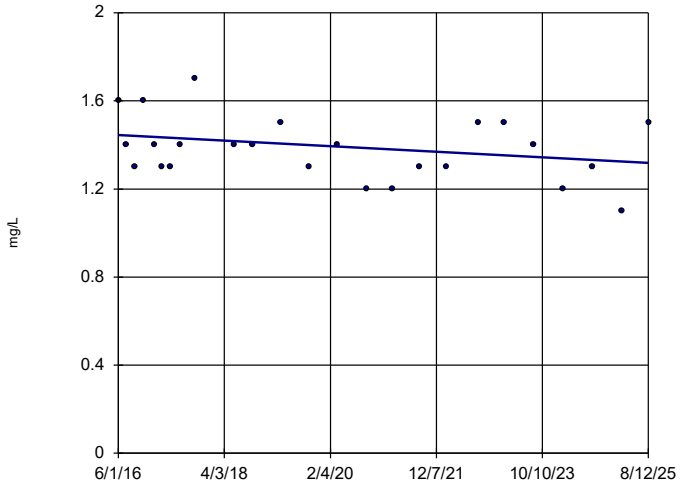
Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-1I (bg)



n = 25

Slope = -0.01371 units per year.

Mann-Kendall statistic = -62 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

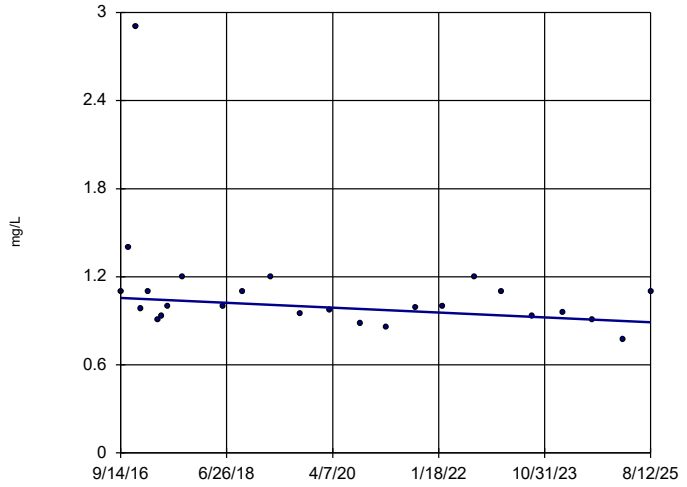
Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-2I (bg)



n = 25

Slope = -0.01876 units per year.

Mann-Kendall statistic = -80 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

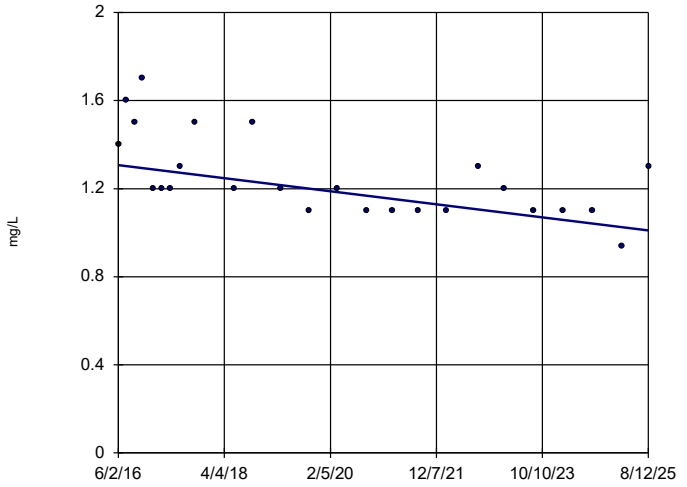
Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-3D (bg)



n = 25

Slope = -0.03226 units per year.

Mann-Kendall statistic = -141 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

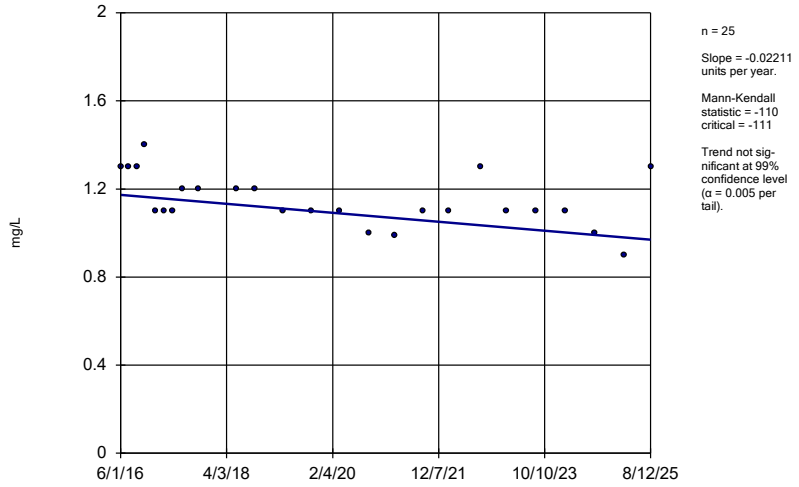
Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-3I (bg)



n = 25

Slope = -0.02211 units per year.

Mann-Kendall statistic = -110
critical = -111

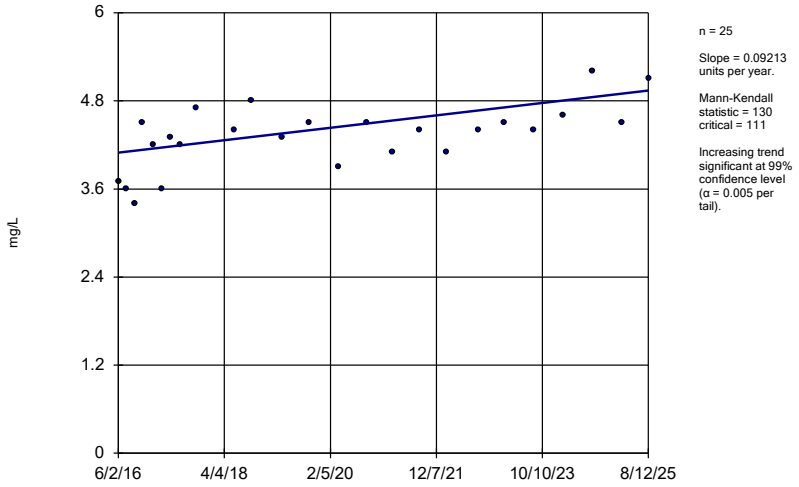
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-4I (bg)



n = 25

Slope = 0.09213 units per year.

Mann-Kendall statistic = 130
critical = 111

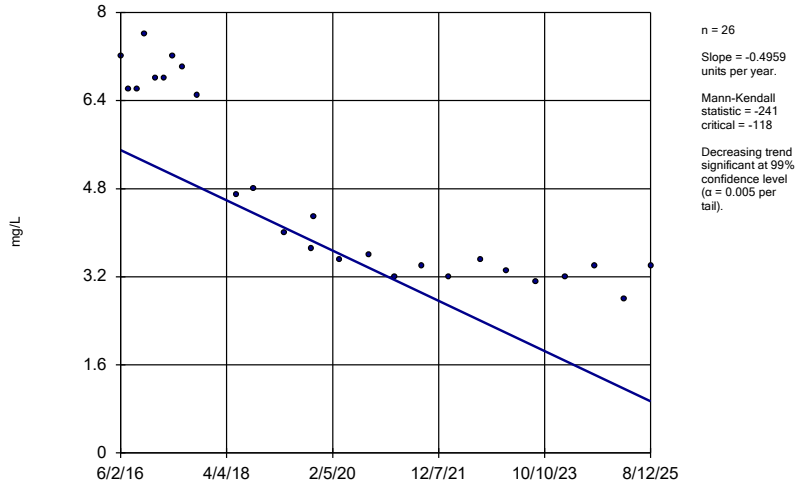
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-5D (bg)



n = 26

Slope = -0.4959 units per year.

Mann-Kendall statistic = -241
critical = -118

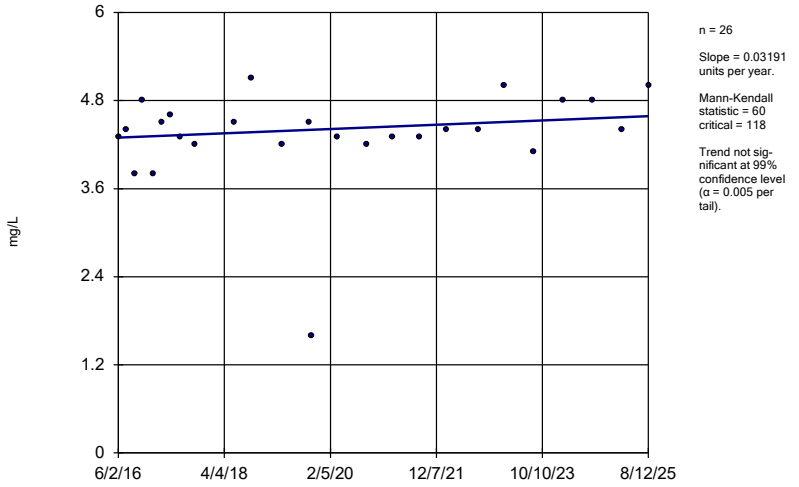
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-5I (bg)



n = 26

Slope = 0.03191 units per year.

Mann-Kendall statistic = 60
critical = 118

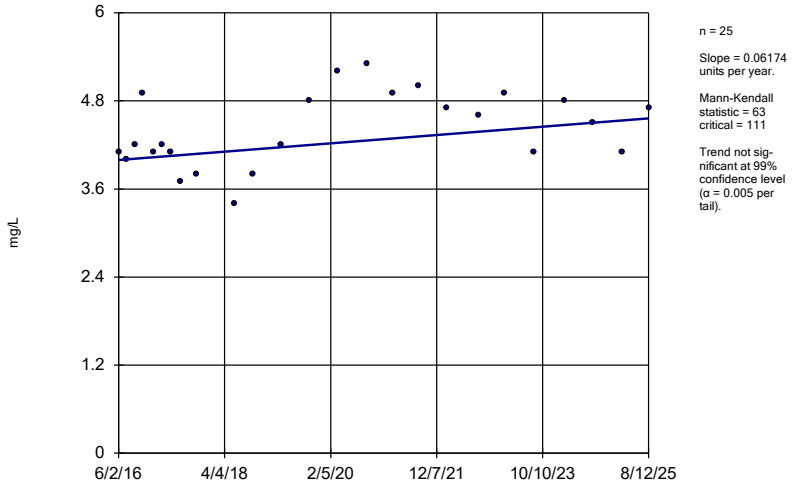
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-14S (bg)



n = 25

Slope = 0.06174 units per year.

Mann-Kendall statistic = 63 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

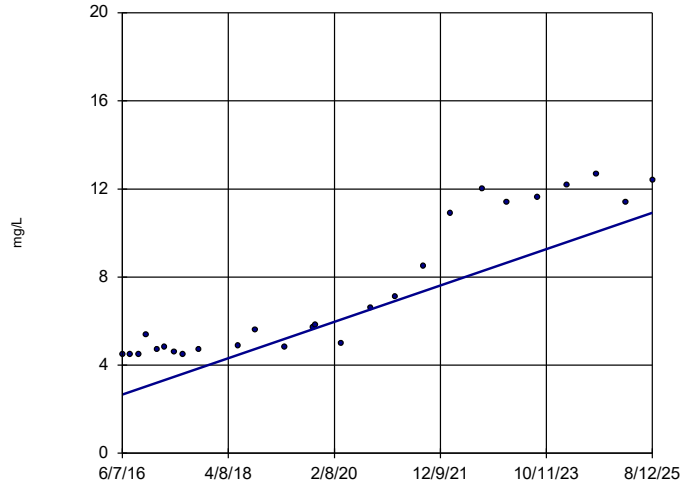
Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-17S (bg)



n = 26

Slope = 0.8992 units per year.

Mann-Kendall statistic = 264 critical = 118

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

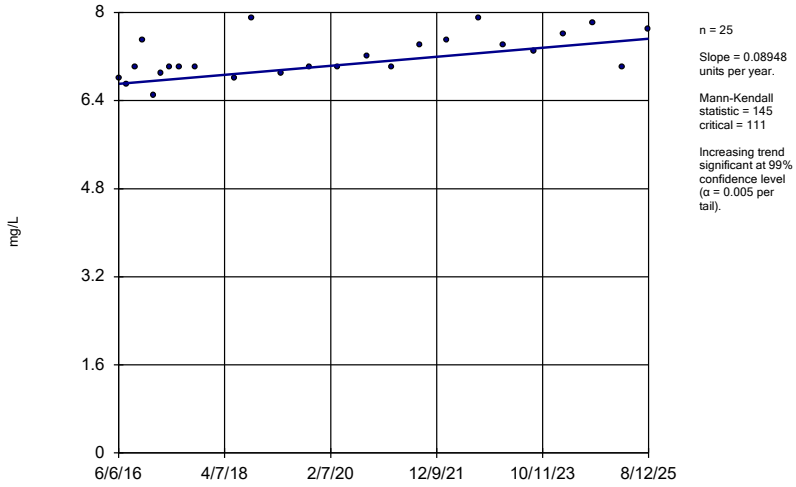
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-18I (bg)



n = 25

Slope = 0.08948 units per year.

Mann-Kendall statistic = 145 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

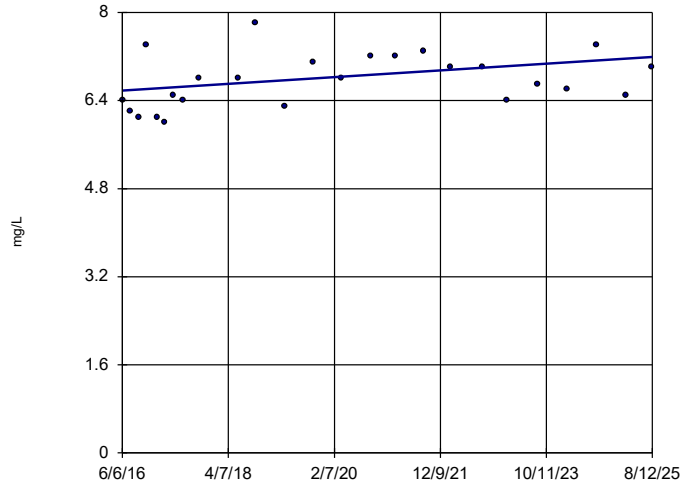
Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-18S (bg)



n = 25

Slope = 0.06624 units per year.

Mann-Kendall statistic = 81 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

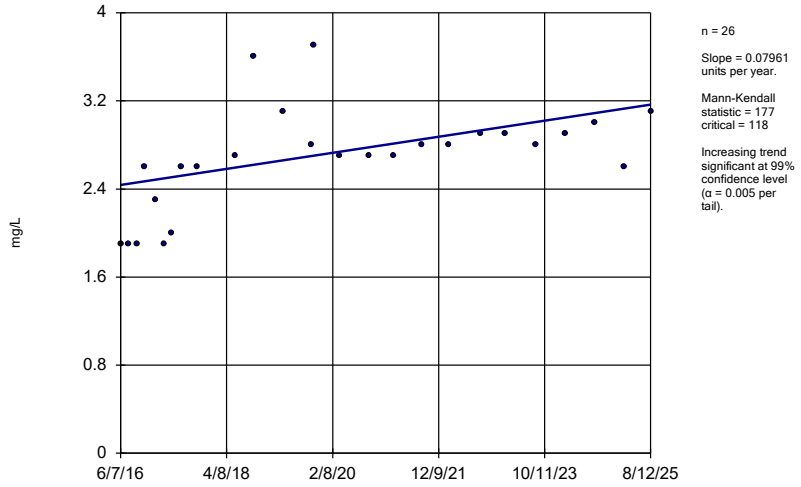
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-20S (bg)



n = 26

Slope = 0.07961 units per year.

Mann-Kendall statistic = 177 critical = 118

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

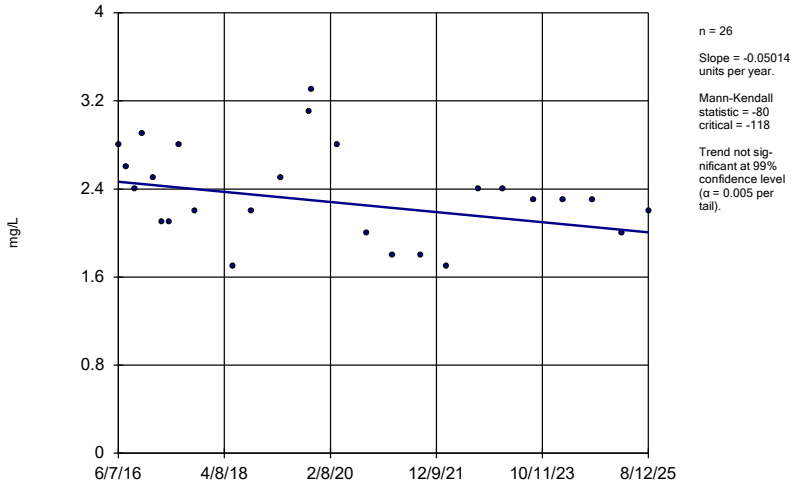
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-21I (bg)



n = 26

Slope = -0.05014 units per year.

Mann-Kendall statistic = -80 critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

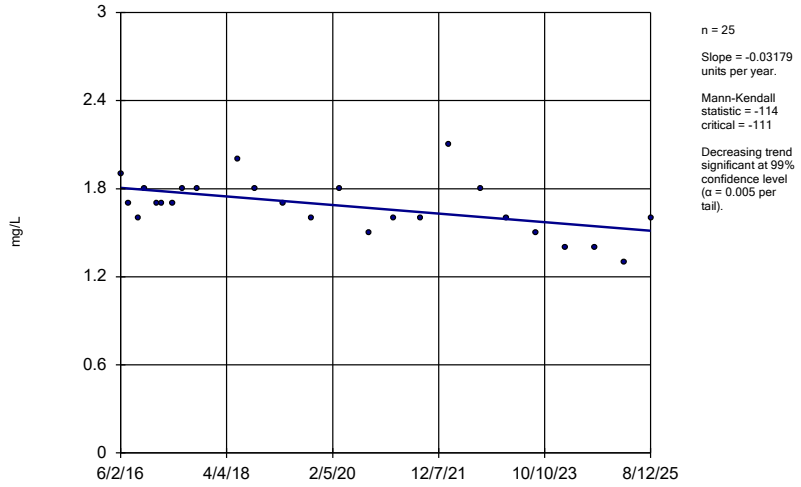
Constituent: Chloride Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-30I (bg)



n = 25

Slope = -0.03179 units per year.

Mann-Kendall statistic = -114 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

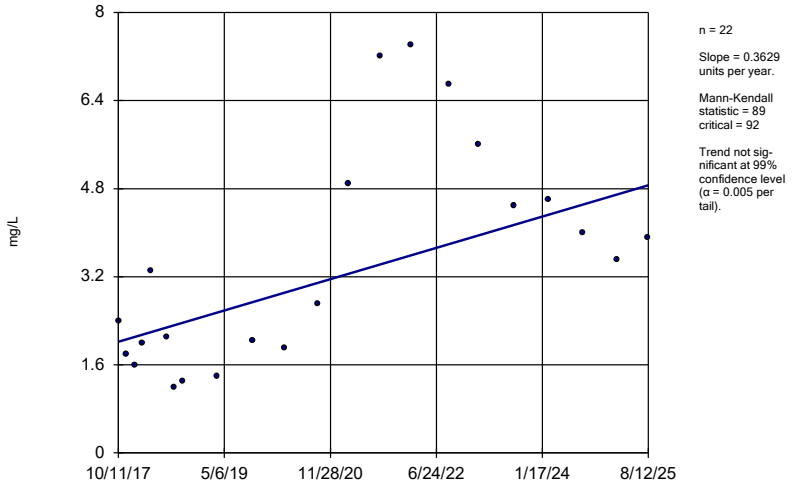
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-39 (bg)



n = 22

Slope = 0.3629 units per year.

Mann-Kendall statistic = 89 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

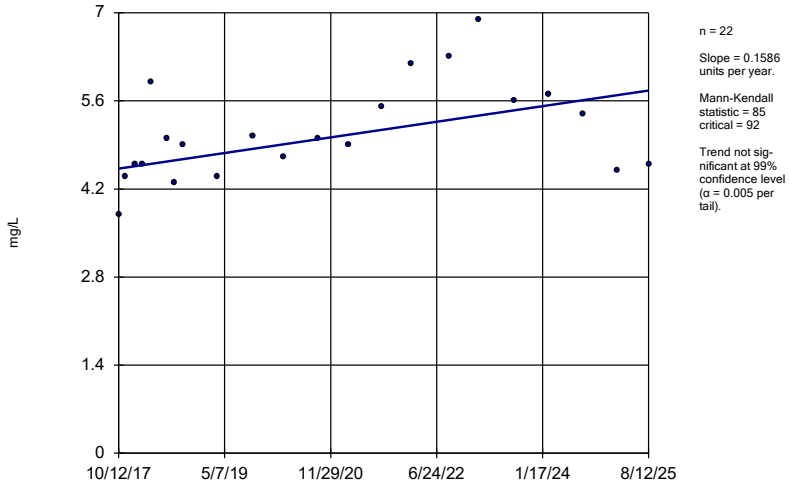
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-40 (bg)



n = 22

Slope = 0.1586 units per year.

Mann-Kendall statistic = 85 critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

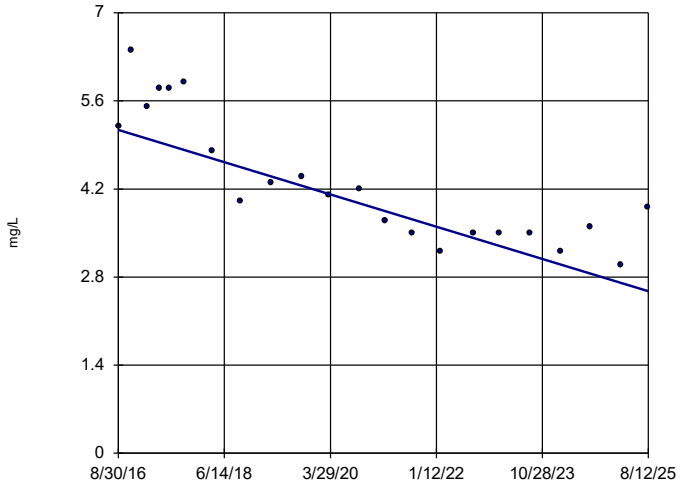
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-47 (bg)



n = 22

Slope = -0.2858 units per year.

Mann-Kendall statistic = -155 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

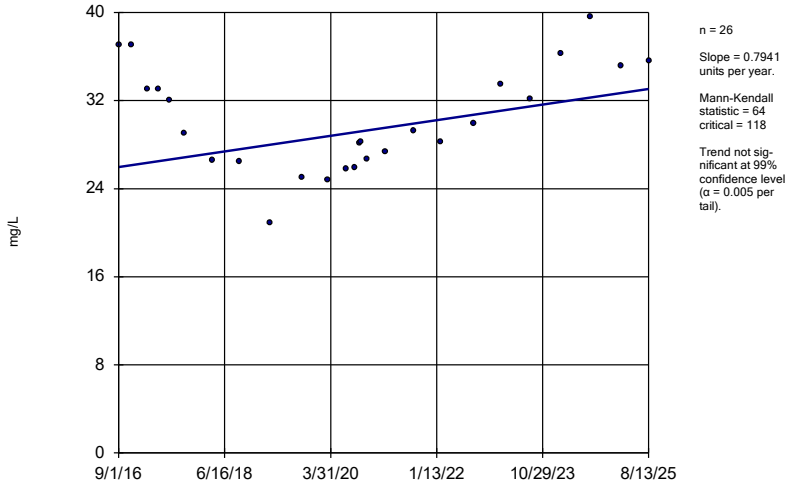
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWC-46A



n = 26

Slope = 0.7941 units per year.

Mann-Kendall statistic = 64 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

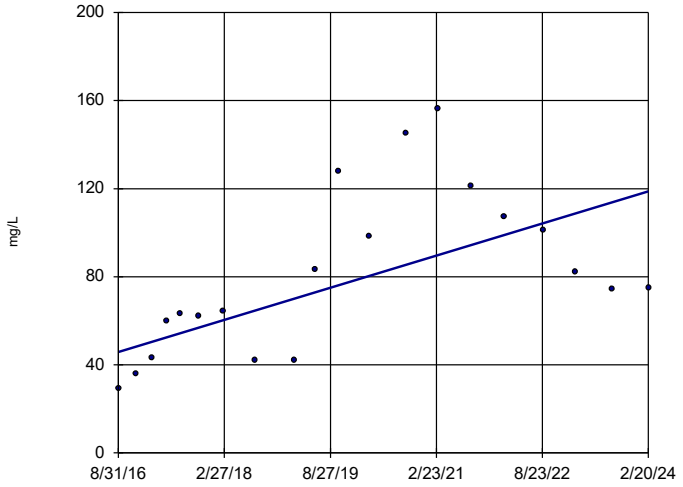
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 9.755 units per year.

Mann-Kendall statistic = 89 critical = 81

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

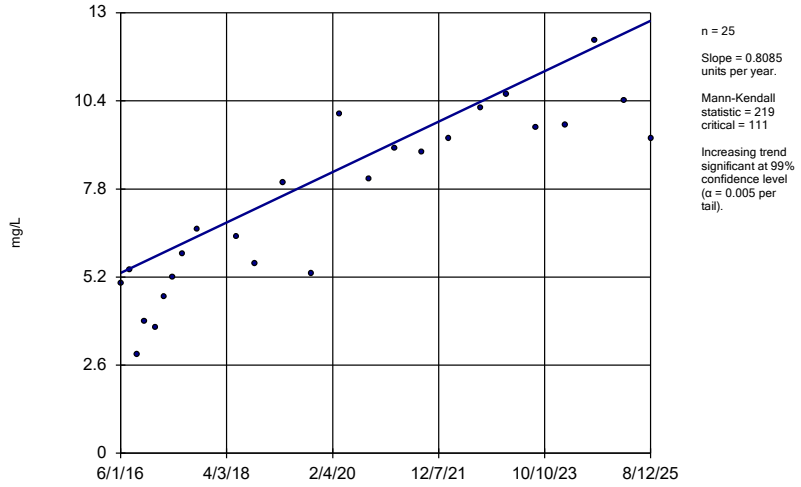
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-1D (bg)



n = 25

Slope = 0.8085 units per year.

Mann-Kendall statistic = 219 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

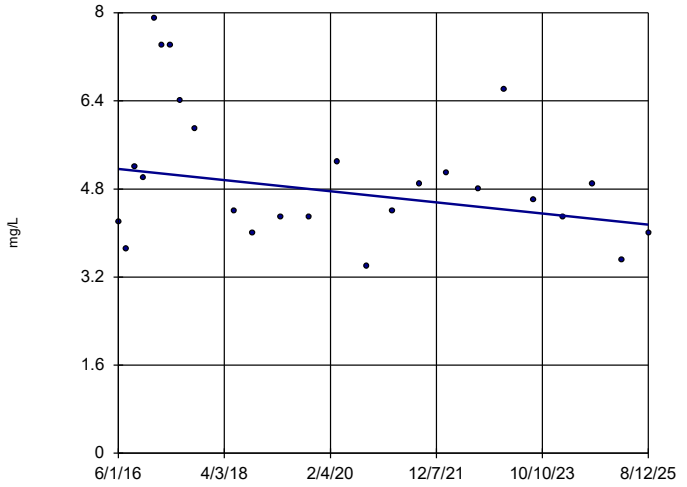
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-1I (bg)



n = 25

Slope = -0.1096 units per year.

Mann-Kendall statistic = -61 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

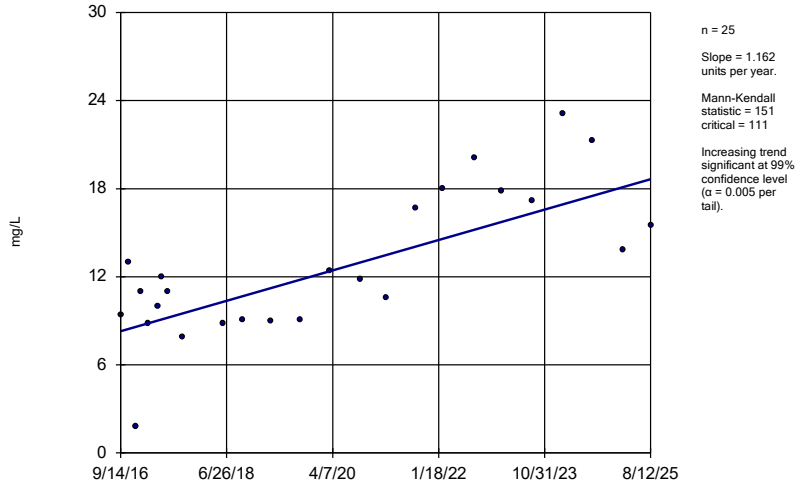
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-2I (bg)



n = 25

Slope = 1.162 units per year.

Mann-Kendall statistic = 151 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

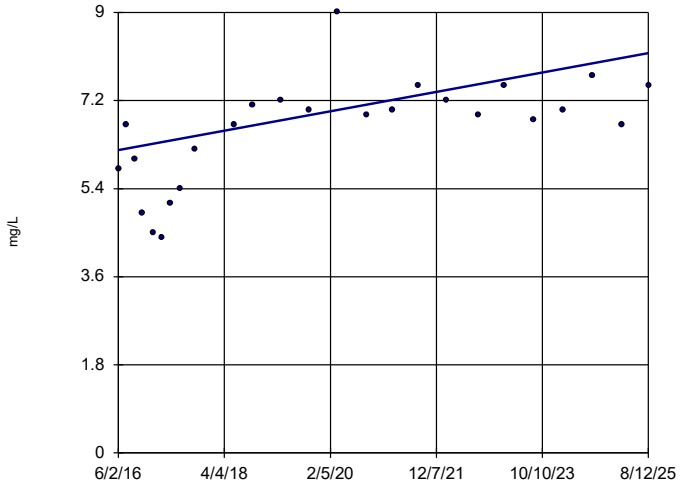
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-3D (bg)



n = 25

Slope = 0.2153 units per year.

Mann-Kendall statistic = 145 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

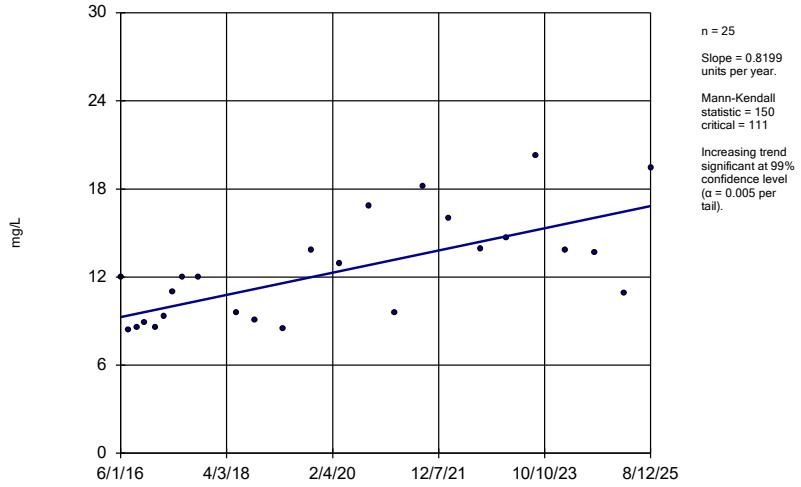
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-3I (bg)



n = 25

Slope = 0.8199 units per year.

Mann-Kendall statistic = 150 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

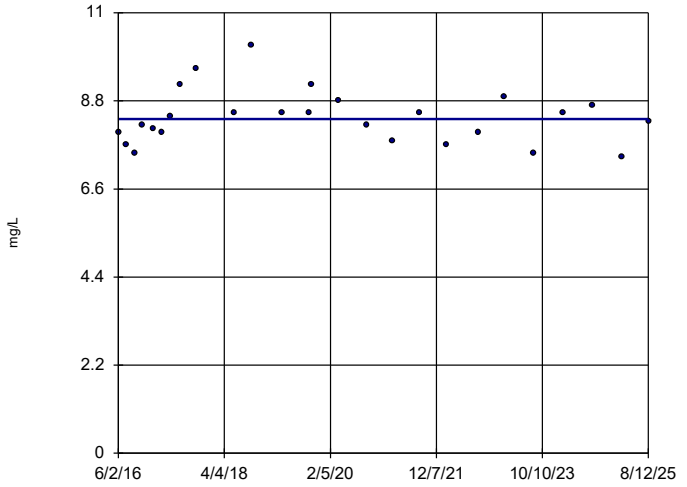
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-4I (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 8 critical = 118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

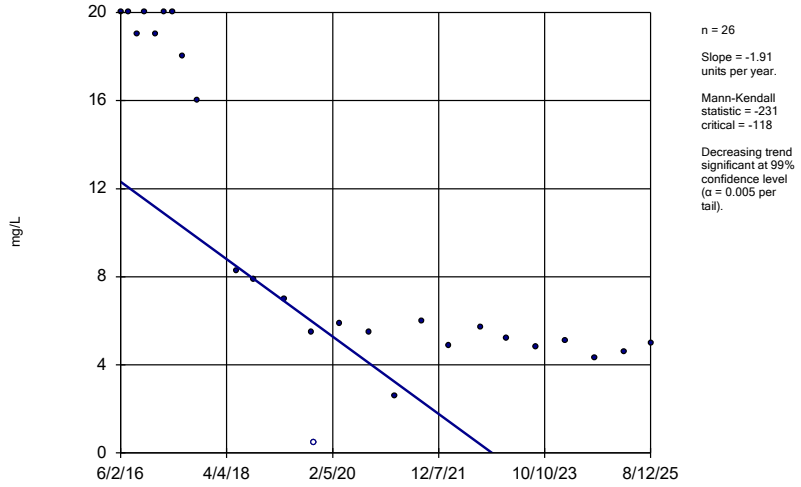
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-5D (bg)



n = 26

Slope = -1.91 units per year.

Mann-Kendall statistic = -231 critical = -118

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

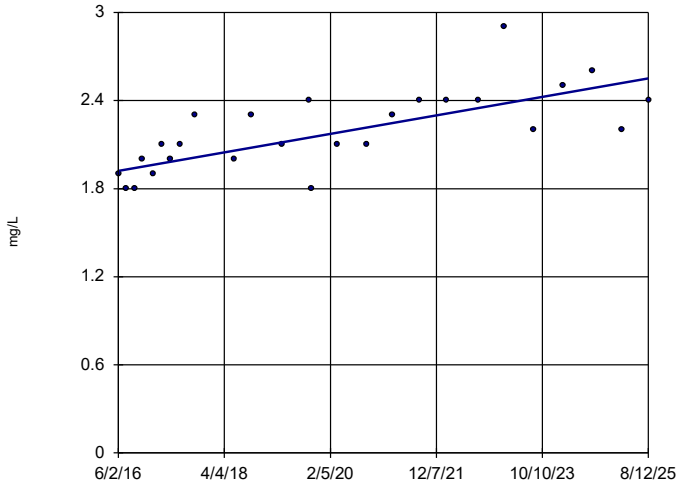
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-5I (bg)



n = 26

Slope = 0.06851 units per year.

Mann-Kendall statistic = 194 critical = 118

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

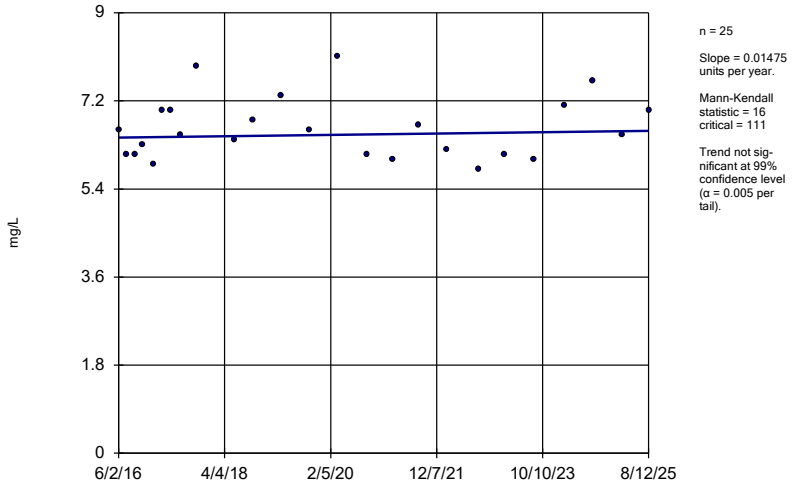
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-14S (bg)



n = 25

Slope = 0.01475 units per year.

Mann-Kendall statistic = 16 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

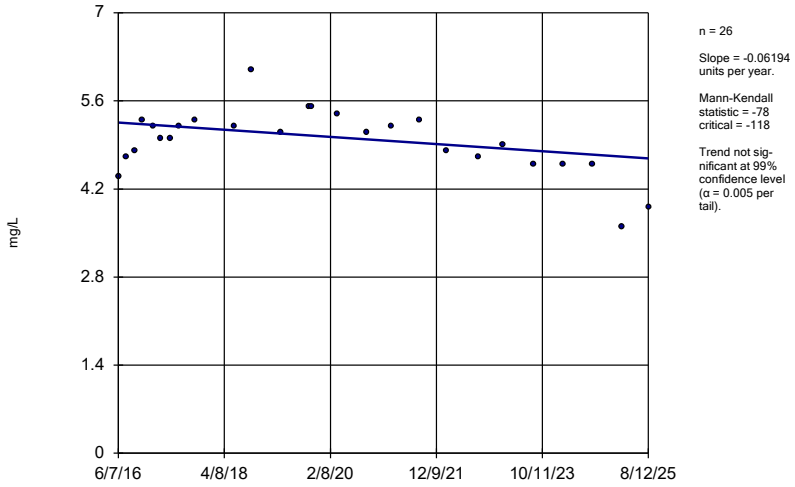
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-17S (bg)



n = 26

Slope = -0.06194 units per year.

Mann-Kendall statistic = -78 critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

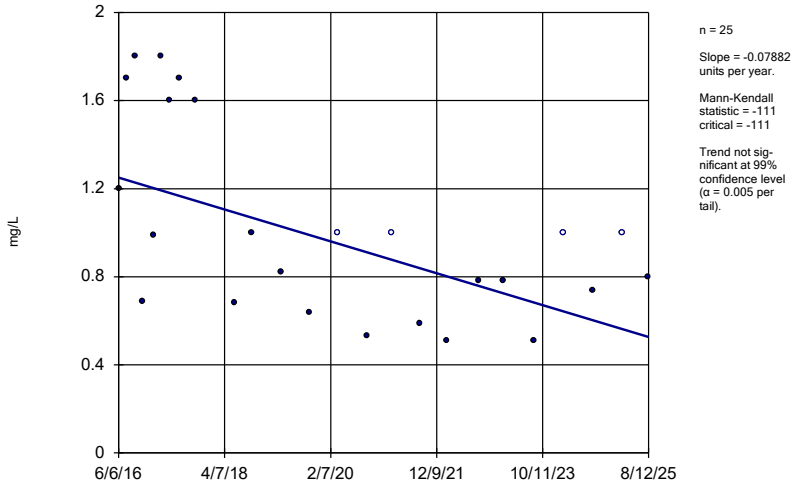
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-18I (bg)



n = 25

Slope = -0.07882 units per year.

Mann-Kendall statistic = -111 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

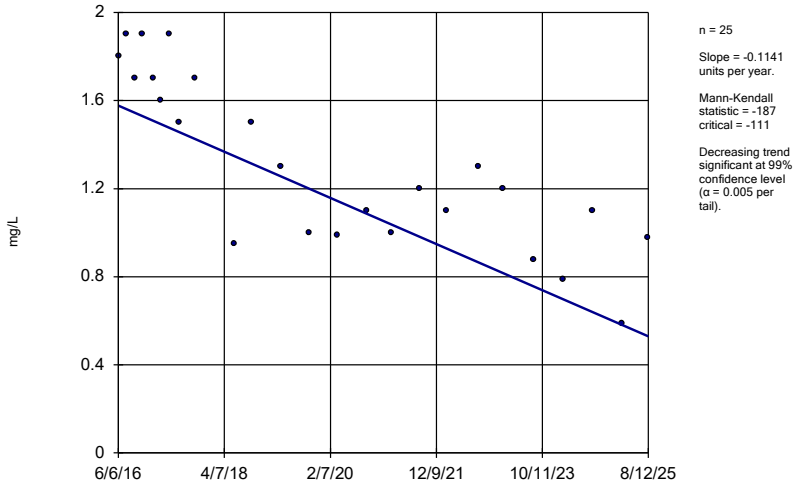
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Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-18S (bg)



n = 25

Slope = -0.1141 units per year.

Mann-Kendall statistic = -187 critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

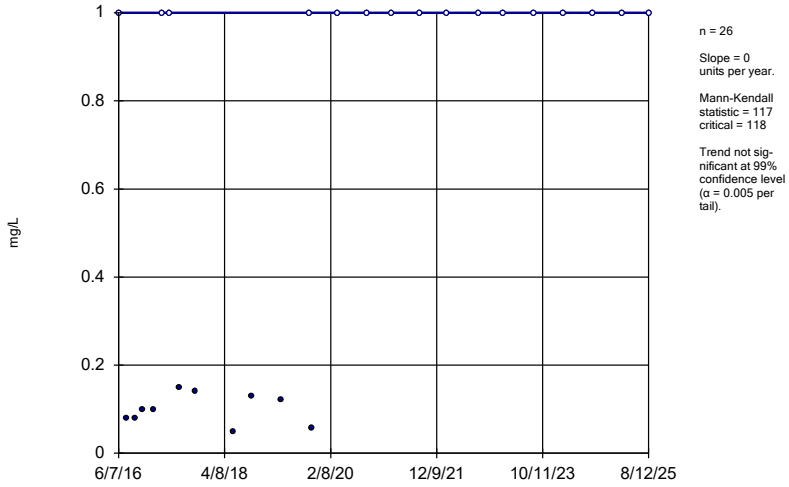
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Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-20S (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 117 critical = 118

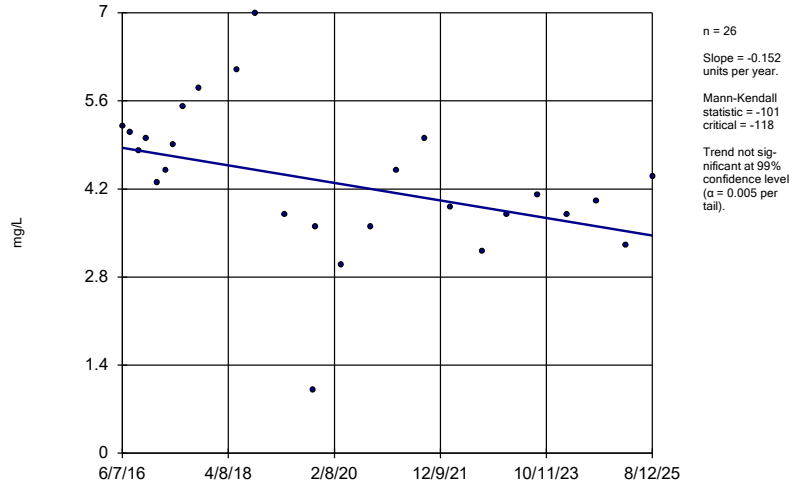
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-21I (bg)



n = 26

Slope = -0.152 units per year.

Mann-Kendall statistic = -101 critical = -118

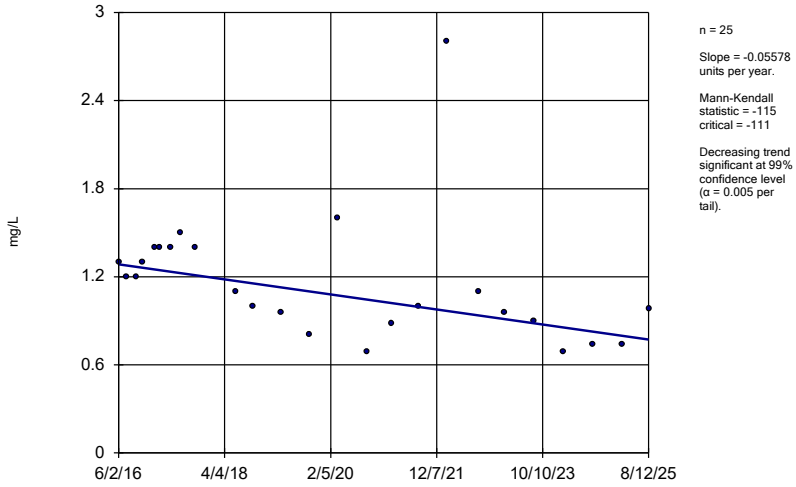
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-30I (bg)



n = 25

Slope = -0.05578 units per year.

Mann-Kendall statistic = -115 critical = -111

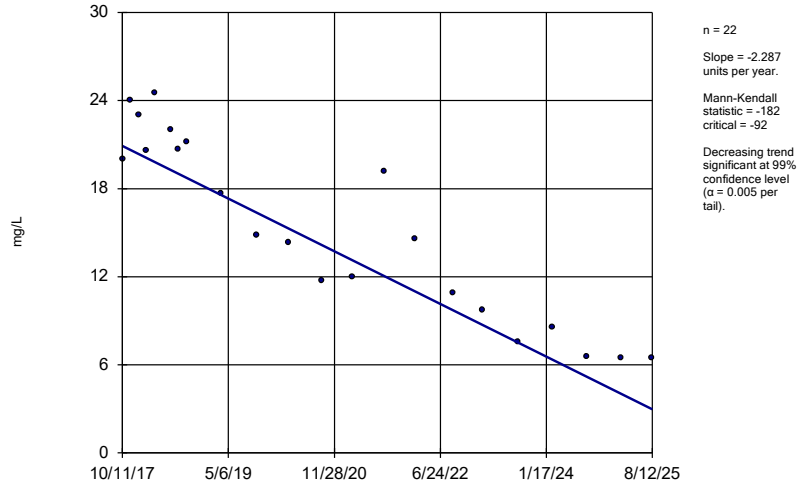
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-39 (bg)



n = 22

Slope = -2.287 units per year.

Mann-Kendall statistic = -182 critical = -92

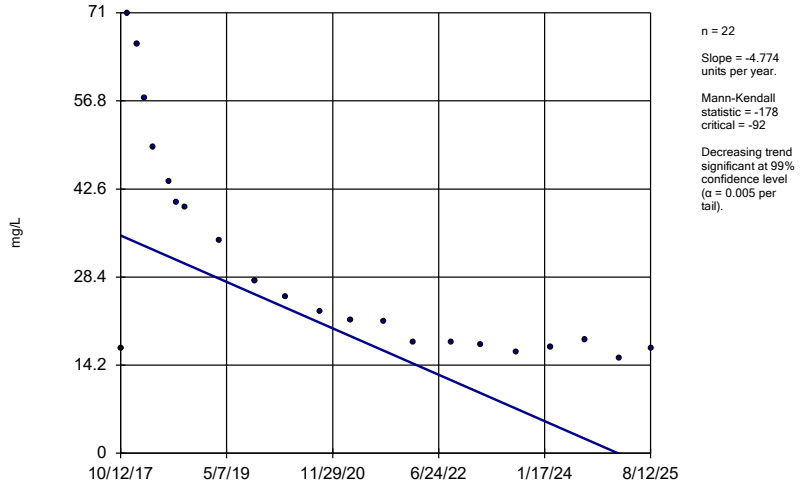
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-40 (bg)



n = 22

Slope = -4.774 units per year.

Mann-Kendall statistic = -178 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

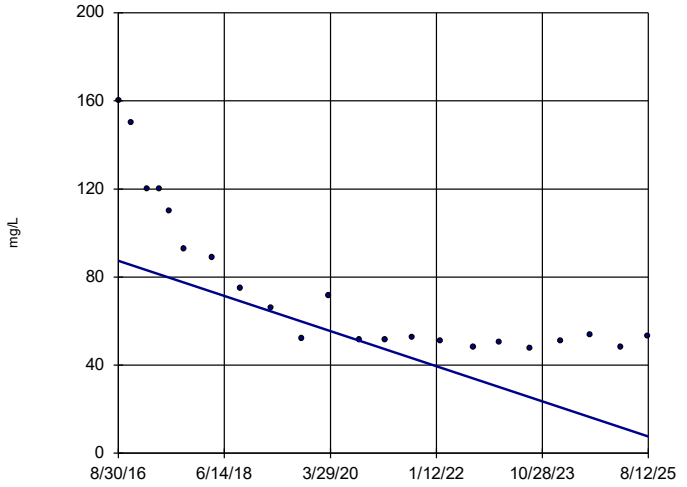
Constituent: Sulfate Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-47 (bg)



n = 22

Slope = -8.917 units per year.

Mann-Kendall statistic = -166 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

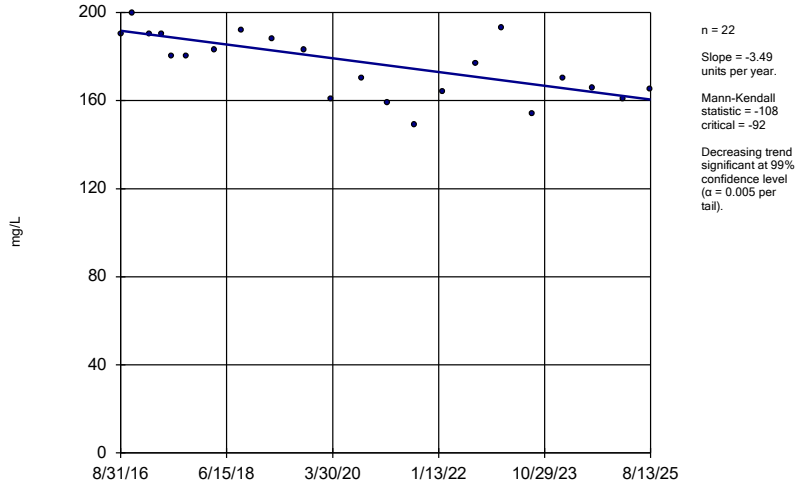
Constituent: Sulfate Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWC-45



n = 22

Slope = -3.49 units per year.

Mann-Kendall statistic = -108 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

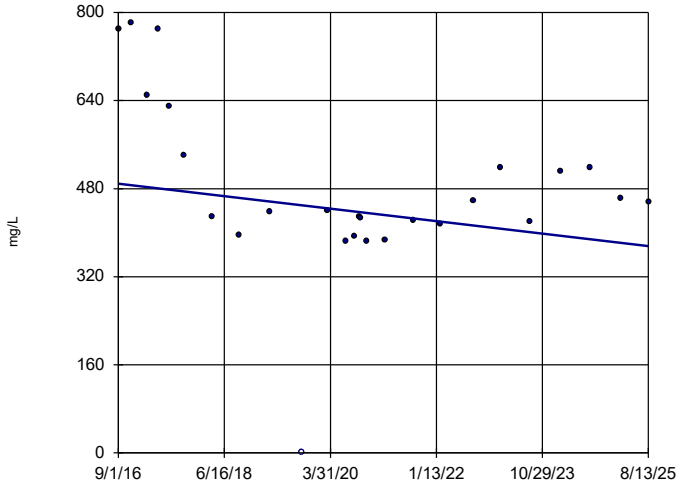
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWC-46A



n = 26

Slope = -12.62 units per year.

Mann-Kendall statistic = -62 critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

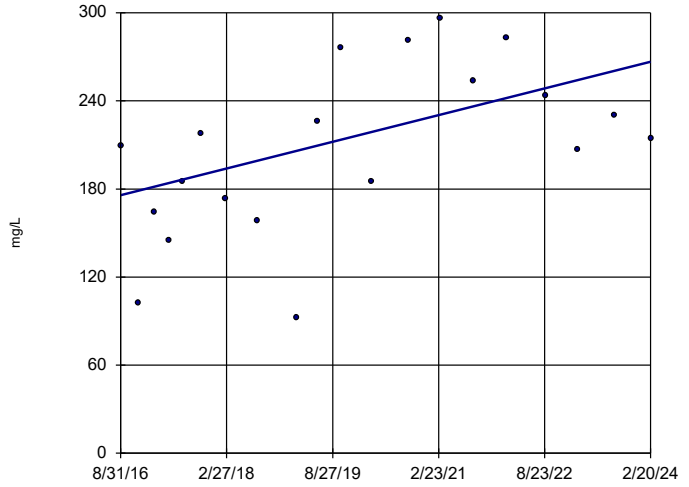
Constituent: Sulfate Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 12.15 units per year.

Mann-Kendall statistic = 73 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

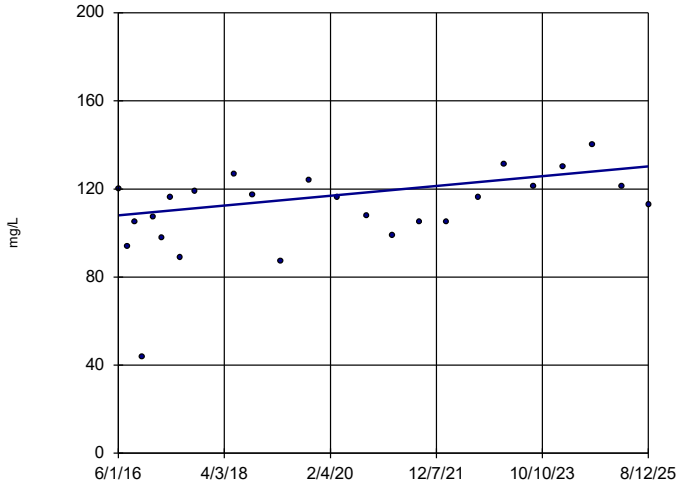
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-1D (bg)



n = 25

Slope = 2.421 units per year.

Mann-Kendall statistic = 97 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

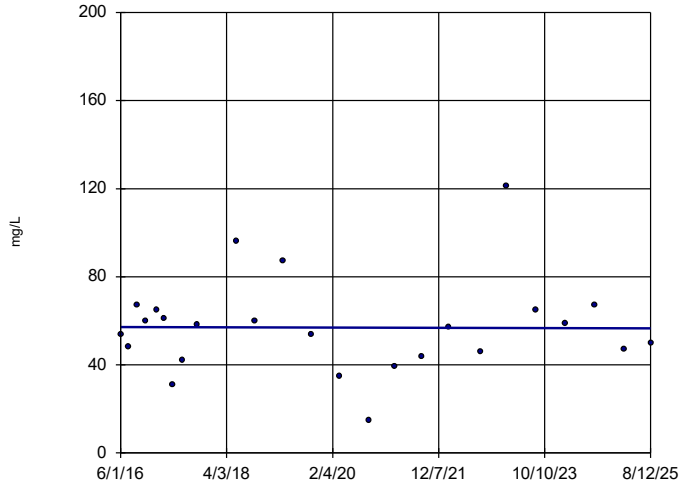
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-1I (bg)



n = 25

Slope = -0.05818 units per year.

Mann-Kendall statistic = -4 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

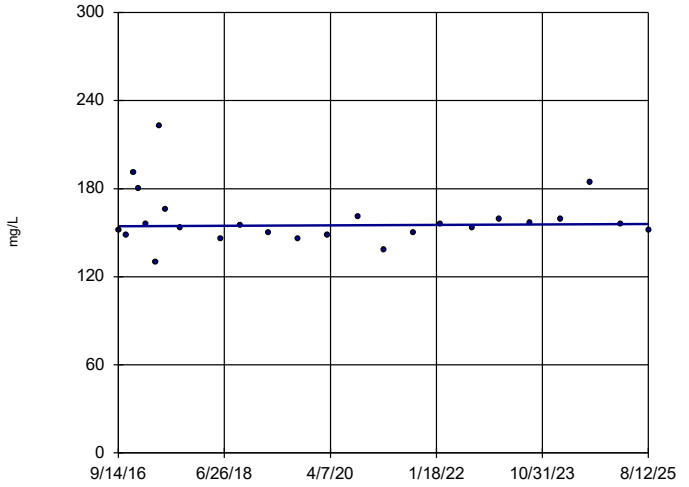
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-2I (bg)



n = 25

Slope = 0.1619 units per year.

Mann-Kendall statistic = 13 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

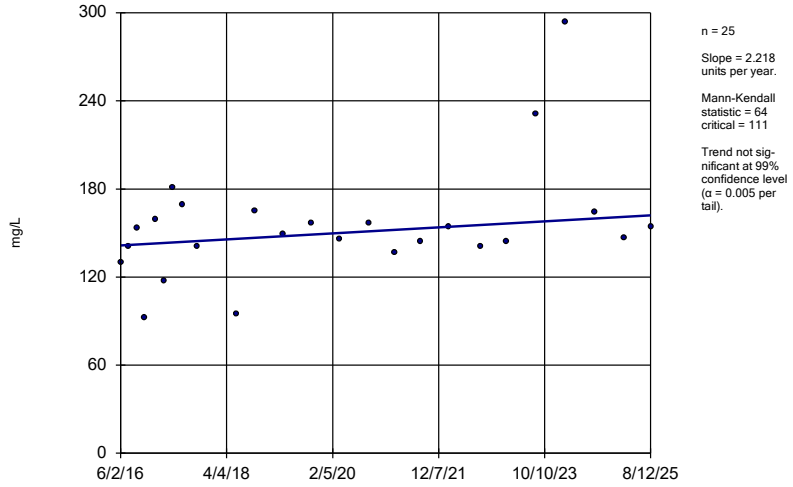
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-3D (bg)



n = 25

Slope = 2.218 units per year.

Mann-Kendall statistic = 64 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

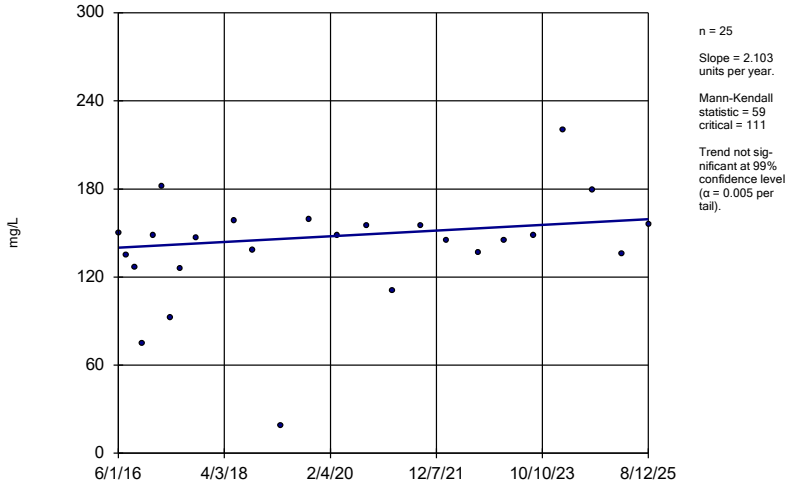
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-3I (bg)



n = 25

Slope = 2.103 units per year.

Mann-Kendall statistic = 59 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

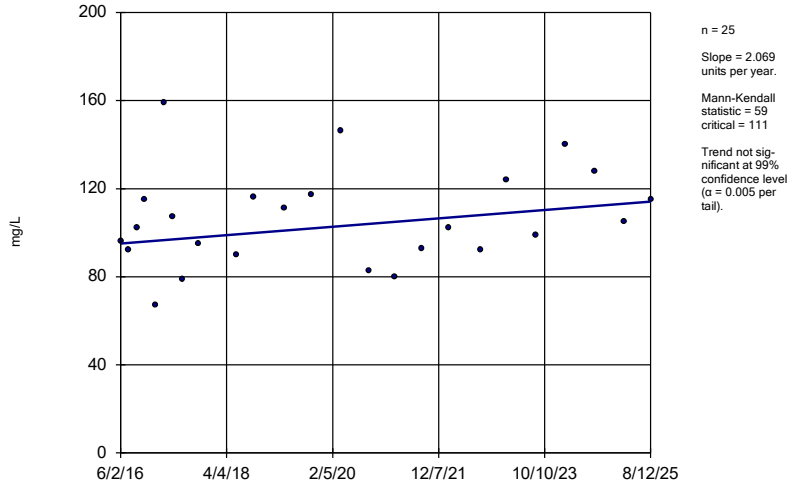
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-4I (bg)



n = 25

Slope = 2.069 units per year.

Mann-Kendall statistic = 59 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

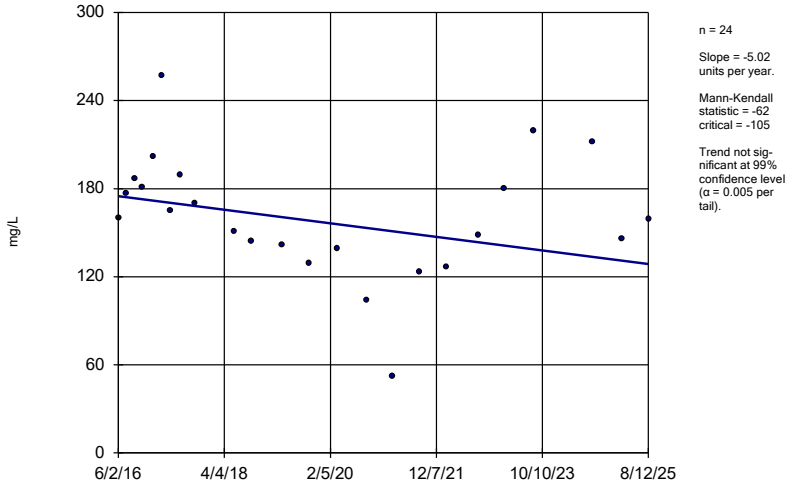
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-5D (bg)



n = 24

Slope = -5.02 units per year.

Mann-Kendall statistic = -62 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

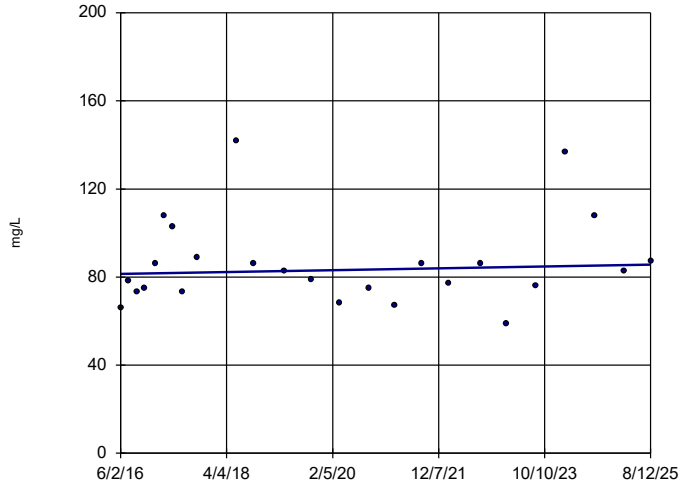
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-5I (bg)



n = 25

Slope = 0.4612 units per year.

Mann-Kendall statistic = 30 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

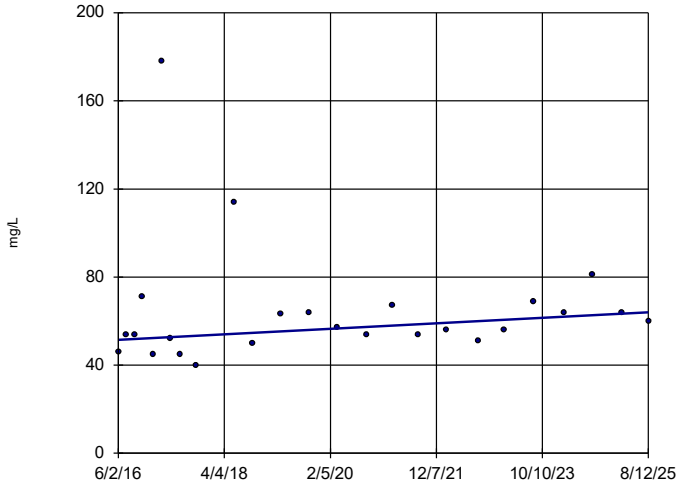
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-14S (bg)



n = 25

Slope = 1.35 units per year.

Mann-Kendall statistic = 71 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

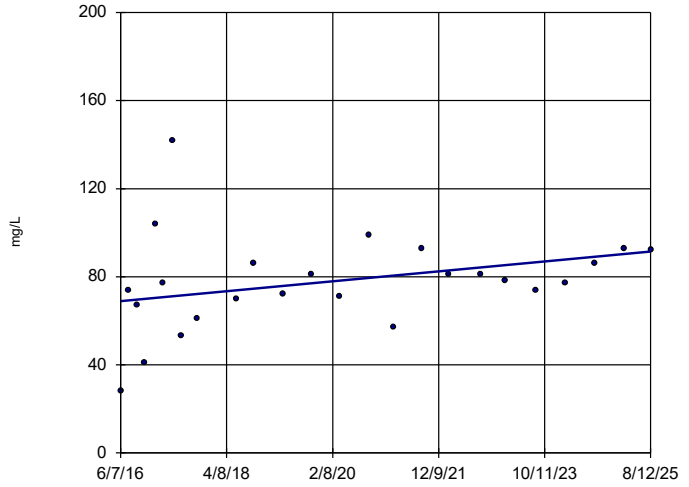
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-17S (bg)



n = 25

Slope = 2.454 units per year.

Mann-Kendall statistic = 91 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

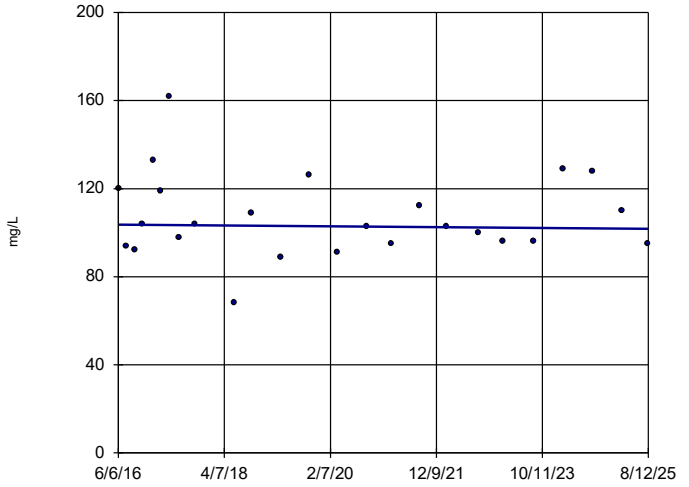
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-18I (bg)



n = 25

Slope = -0.2098 units per year.

Mann-Kendall statistic = -6 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

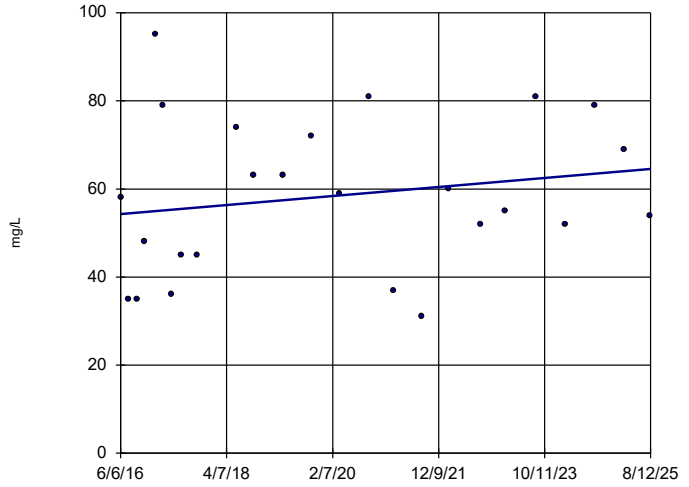
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-18S (bg)



n = 25

Slope = 1.112 units per year.

Mann-Kendall statistic = 42 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

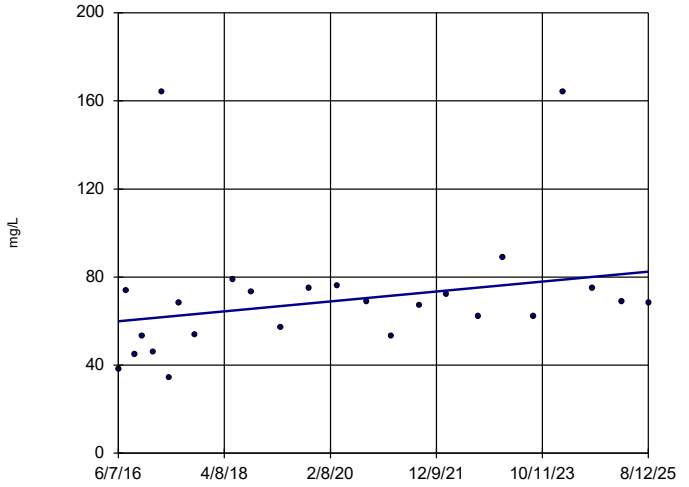
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-20S (bg)



n = 25

Slope = 2.445 units per year.

Mann-Kendall statistic = 80 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

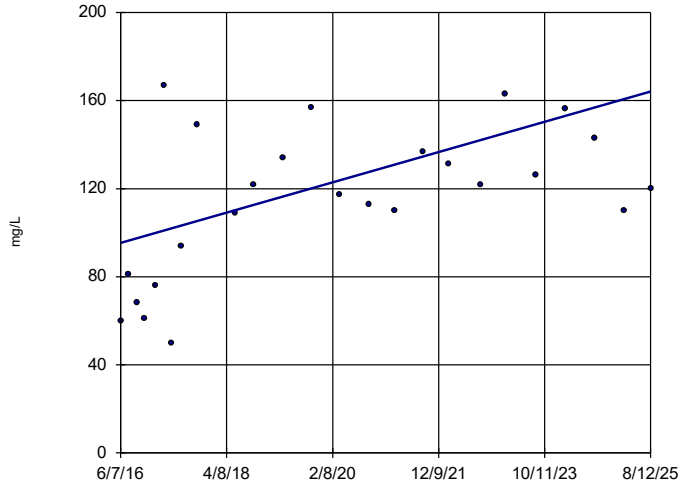
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-21I (bg)



n = 25

Slope = 7.481 units per year.

Mann-Kendall statistic = 112 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

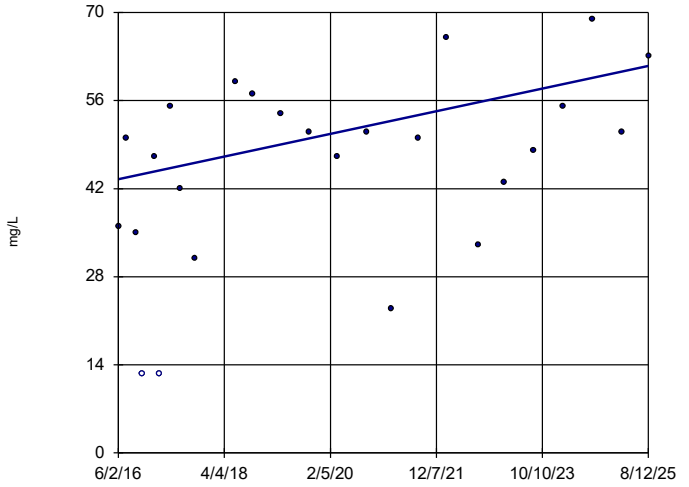
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

YGWA-30I (bg)



n = 25

Slope = 1.957 units per year.

Mann-Kendall statistic = 89 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

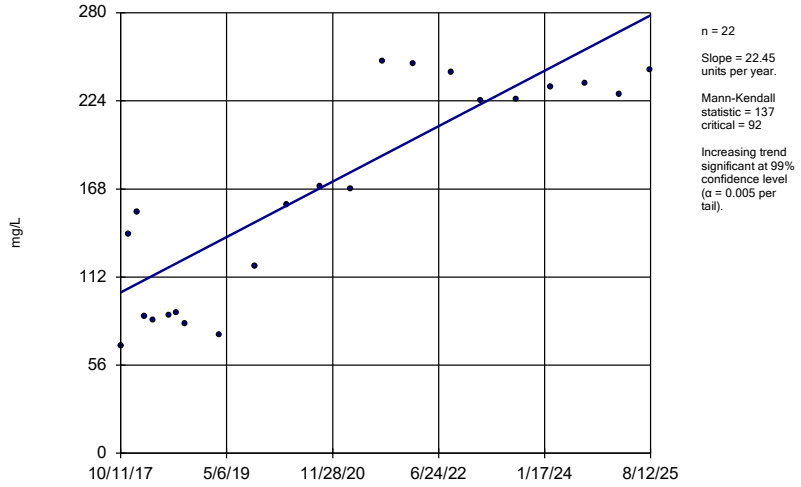
Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-39 (bg)



n = 22

Slope = 22.45 units per year.

Mann-Kendall statistic = 137
critical = 92

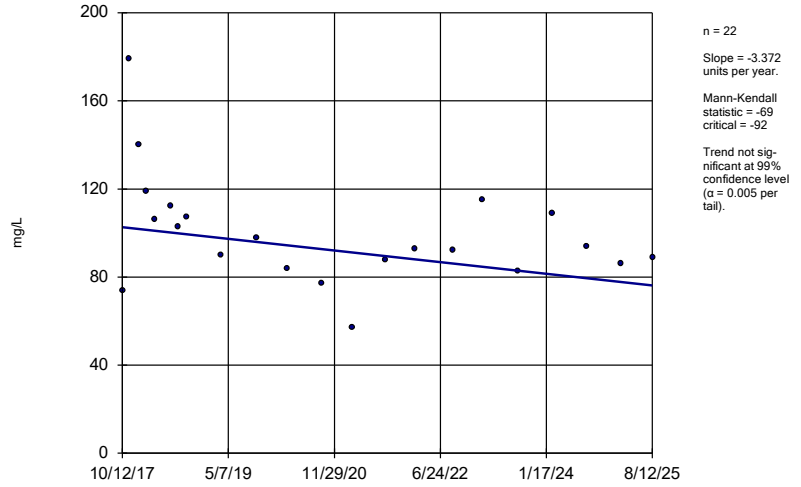
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-40 (bg)



n = 22

Slope = -3.372 units per year.

Mann-Kendall statistic = -69
critical = -92

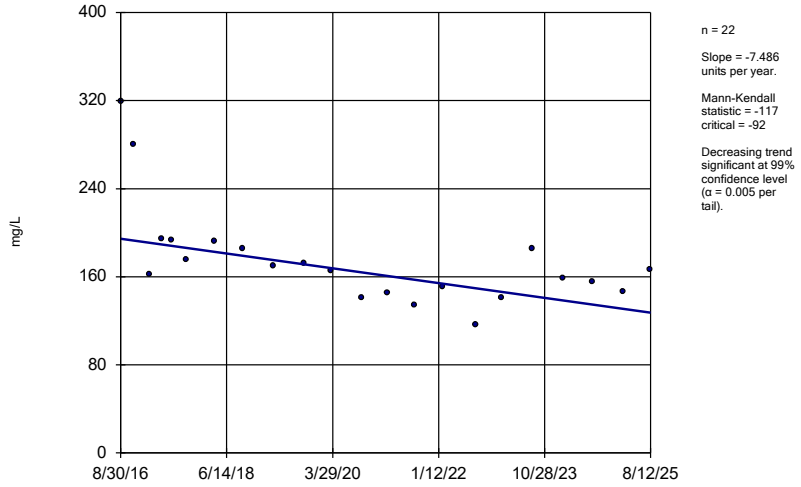
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWA-47 (bg)



n = 22

Slope = -7.486 units per year.

Mann-Kendall statistic = -117
critical = -92

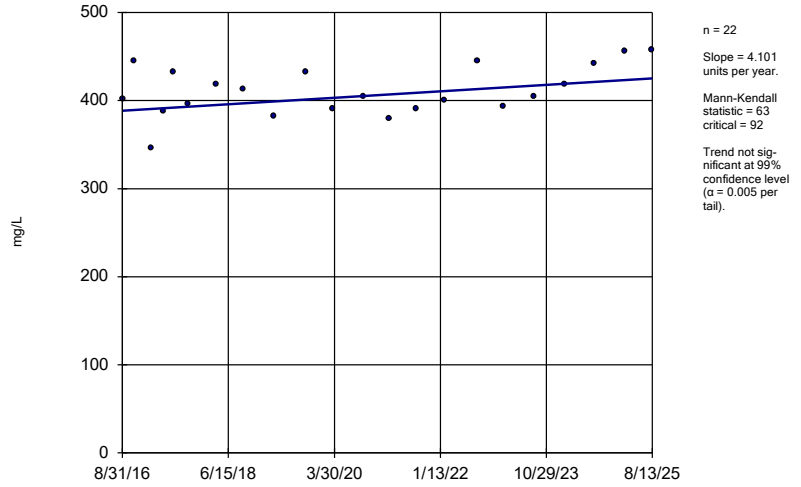
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Sen's Slope Estimator

YGWC-45



n = 22

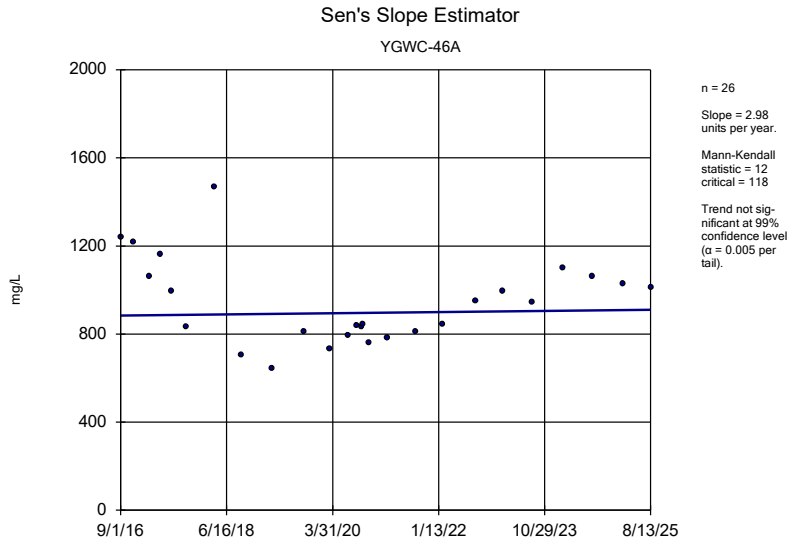
Slope = 4.101 units per year.

Mann-Kendall statistic = 63
critical = 92

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell
Plant Yates Client: Southern Company Data: Yates AP-1

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Constituent: Total Dissolved Solids [TDS] Analysis Run 10/13/2025 1:18 PM View: Appendix III Interwell

Plant Yates Client: Southern Company Data: Yates AP-1

FIGURE F.

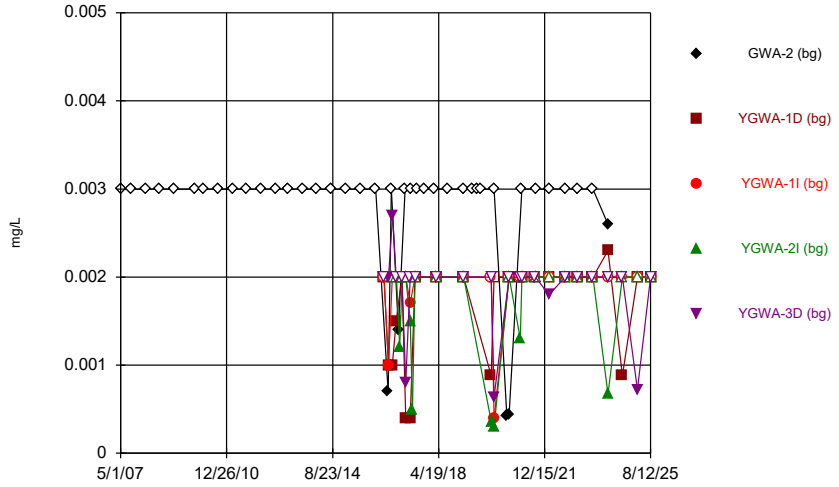
Upper Tolerance Limits Summary Table

Plant Yates Client: Southern Company Data: Yates AP-1 Printed 10/13/2025, 1:25 PM

Constituent	Upper Lim.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0047	n/a	485	n/a	n/a	87.84	n/a	n/a	NaN	NP Inter(NDs)
Arsenic (mg/L)	0.0046	n/a	533	n/a	n/a	75.42	n/a	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	0.21	n/a	533	n/a	n/a	2.064	n/a	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	0.0011	n/a	517	n/a	n/a	80.66	n/a	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	0.00063	n/a	517	n/a	n/a	94.97	n/a	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	0.0093	n/a	485	n/a	n/a	80.82	n/a	n/a	NaN	NP Inter(NDs)
Cobalt (mg/L)	0.035	n/a	526	n/a	n/a	69.96	n/a	n/a	NaN	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	6.92	n/a	511	n/a	n/a	0	n/a	n/a	NaN	NP Inter(normality)
Fluoride (mg/L)	1.1	n/a	536	n/a	n/a	54.66	n/a	n/a	NaN	NP Inter(NDs)
Lead (mg/L)	0.0013	n/a	487	n/a	n/a	88.3	n/a	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	0.026	n/a	511	n/a	n/a	26.81	n/a	n/a	NaN	NP Inter(normality)
Mercury (mg/L)	0.00064	n/a	441	n/a	n/a	87.53	n/a	n/a	NaN	NP Inter(NDs)
Molybdenum (mg/L)	0.03	n/a	475	n/a	n/a	61.68	n/a	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	515	n/a	n/a	93.01	n/a	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	0.00053	n/a	449	n/a	n/a	97.33	n/a	n/a	NaN	NP Inter(NDs)

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Hollow symbols indicate censored values.

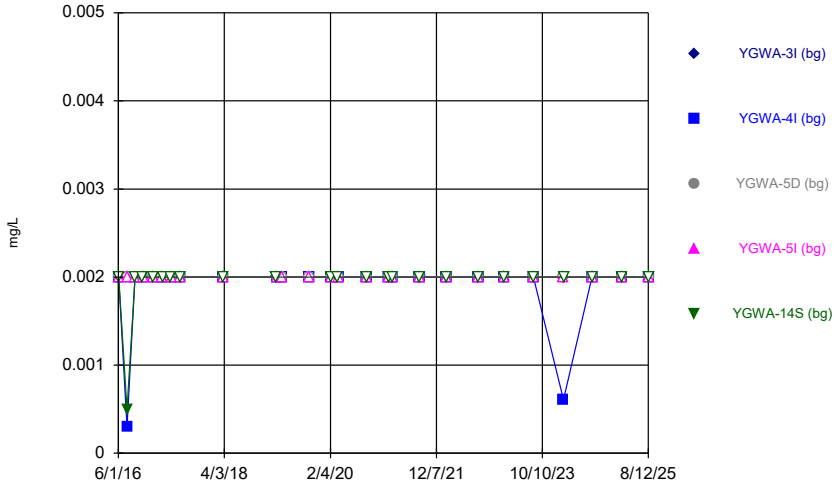
Time Series



Constituent: Antimony Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

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Hollow symbols indicate censored values.

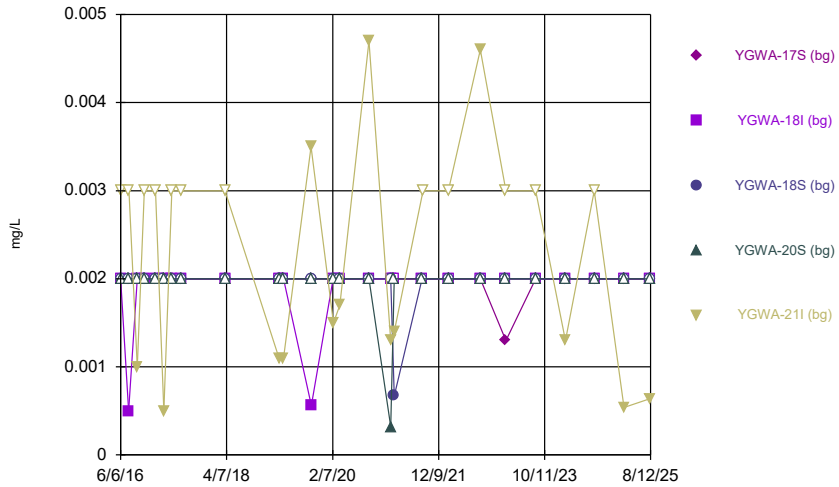
Time Series



Constituent: Antimony Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

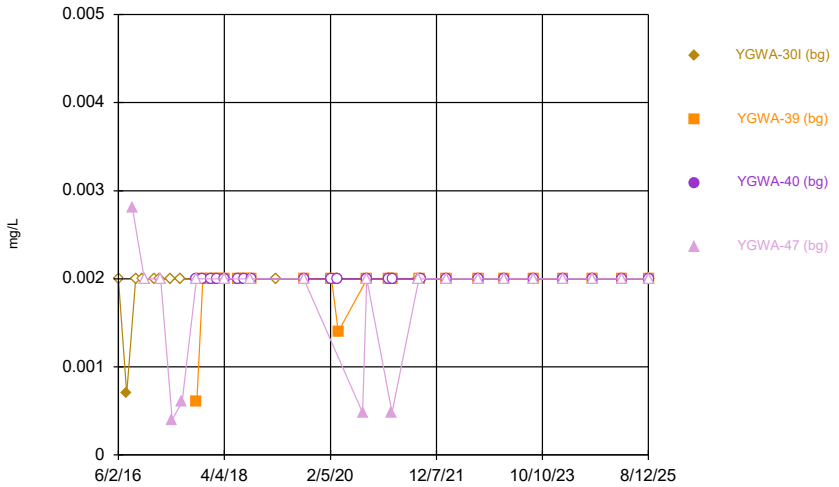
Time Series



Constituent: Antimony Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

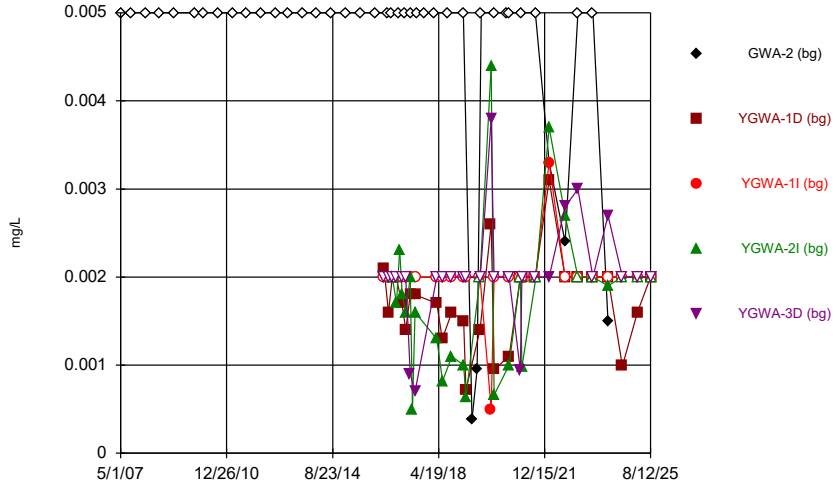
Time Series



Constituent: Antimony Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

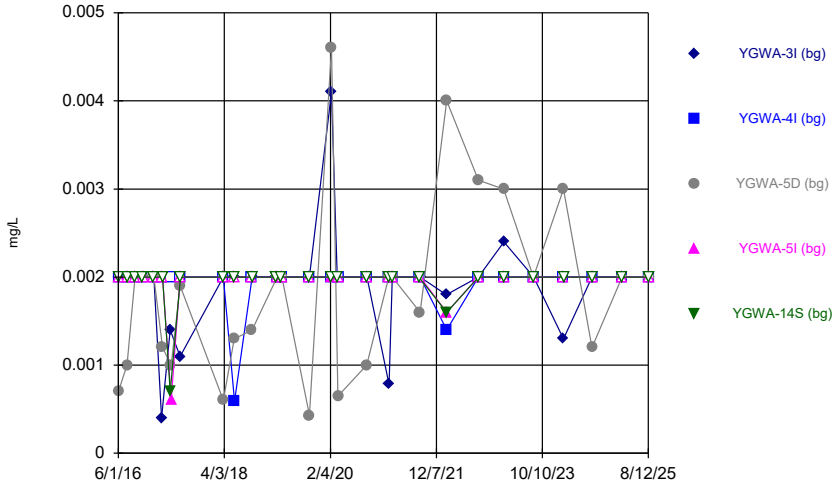
Time Series



Constituent: Arsenic Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

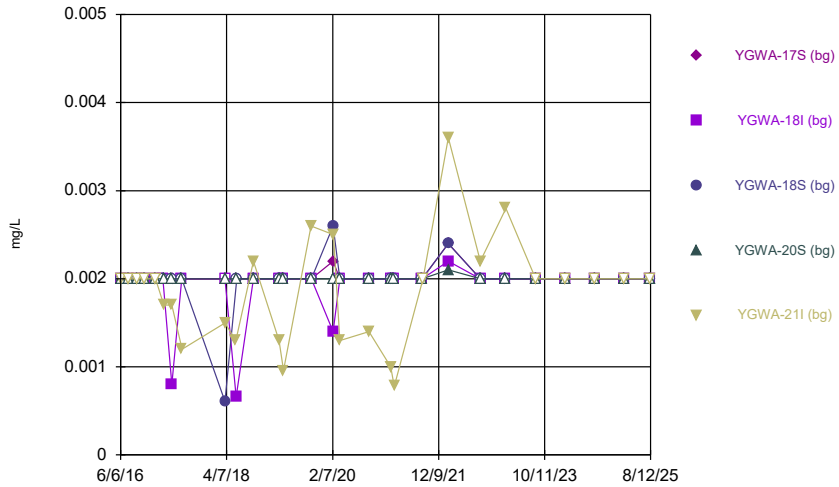
Time Series



Constituent: Arsenic Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

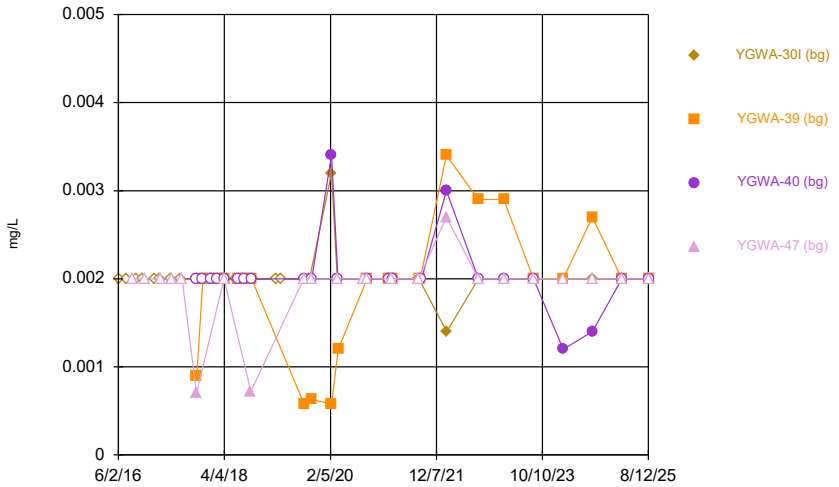
Time Series



Constituent: Arsenic Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

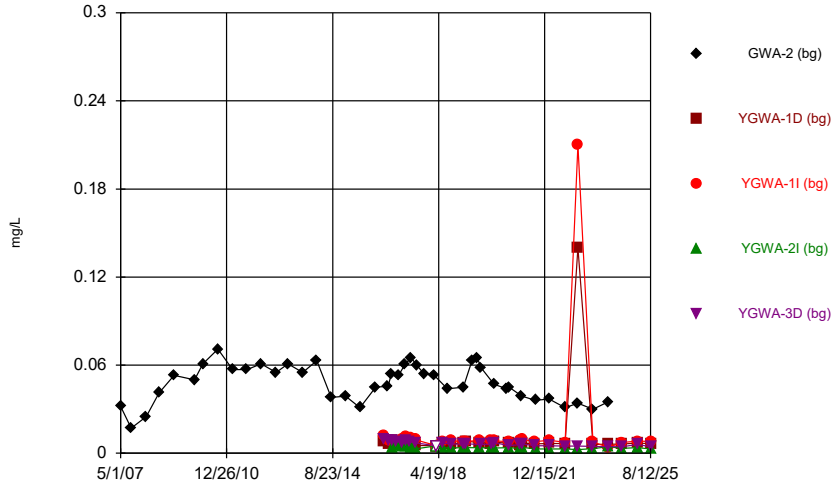
Time Series



Constituent: Arsenic Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

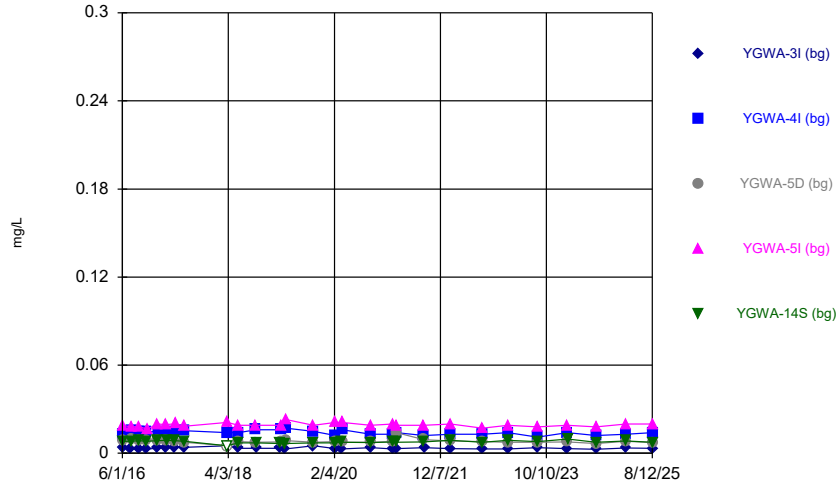
Time Series



Constituent: Barium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

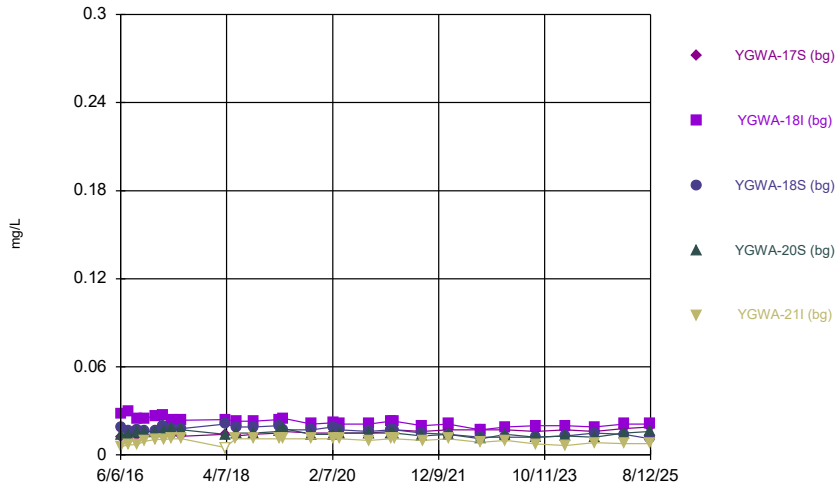
Time Series



Constituent: Barium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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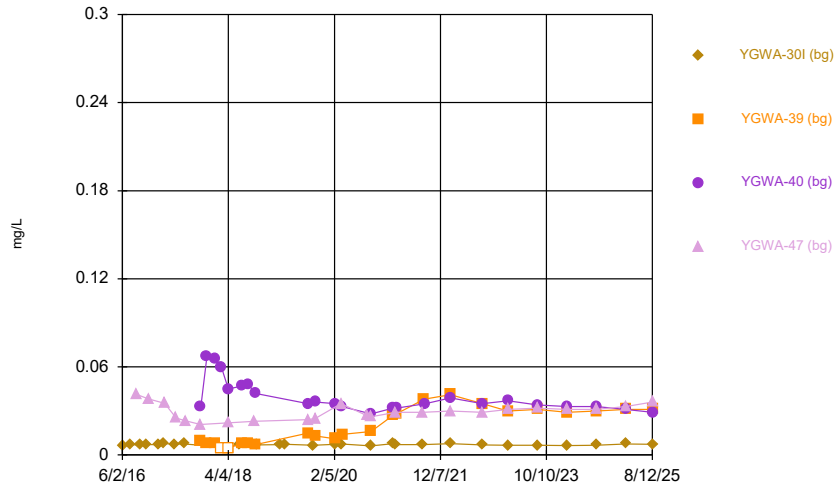
Time Series



Constituent: Barium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

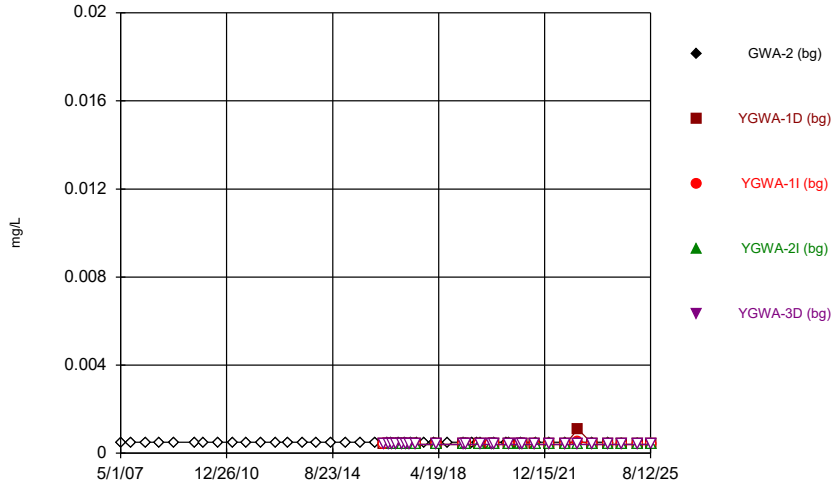
Time Series



Constituent: Barium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

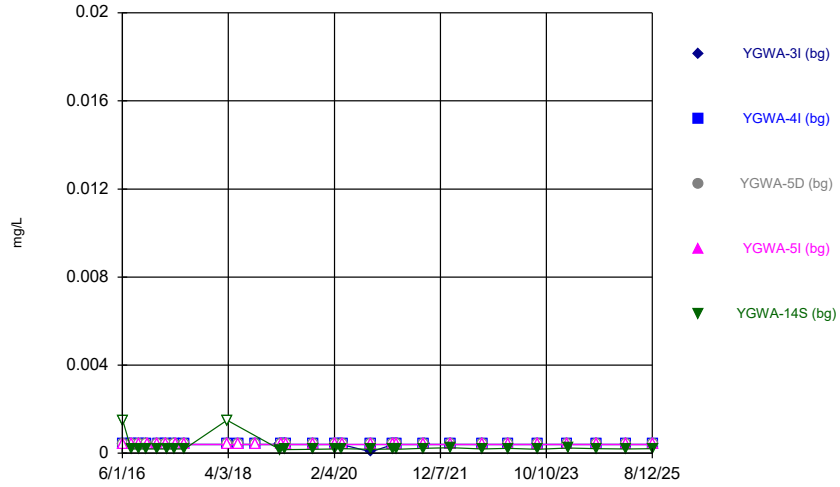
Time Series



Constituent: Beryllium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

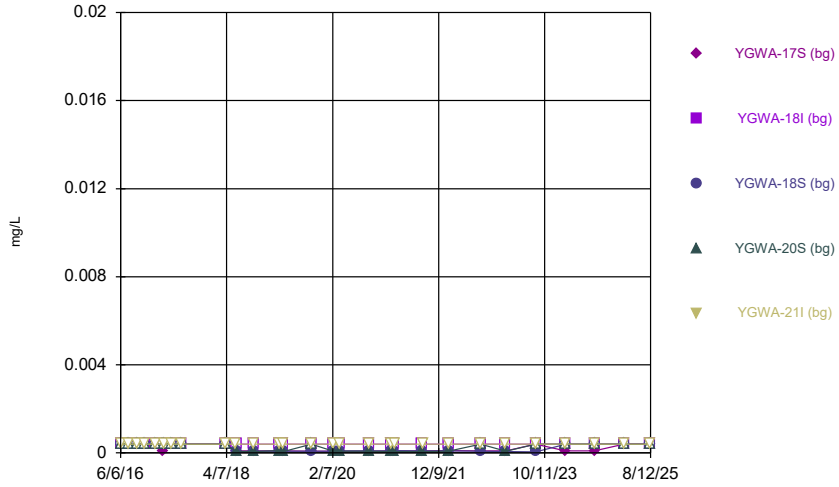
Time Series



Constituent: Beryllium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

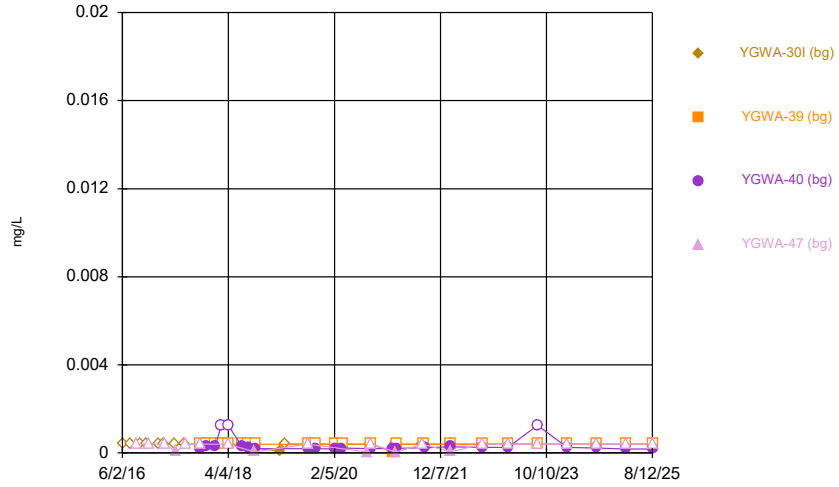
Time Series



Constituent: Beryllium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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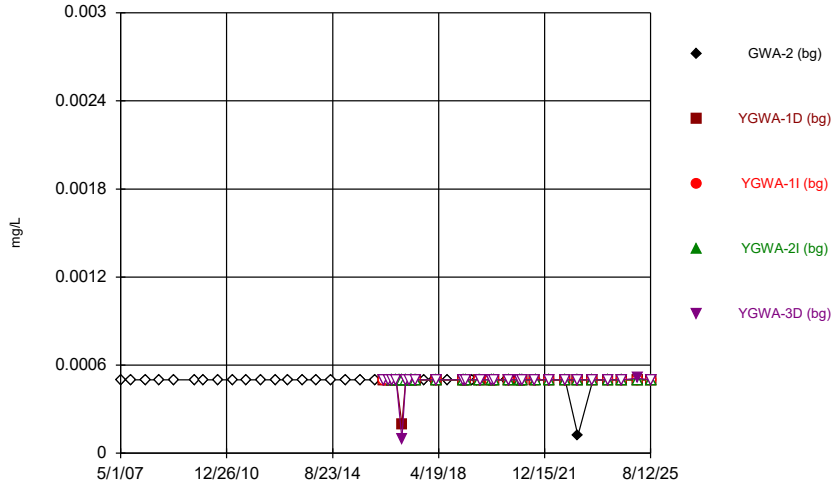
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Constituent: Beryllium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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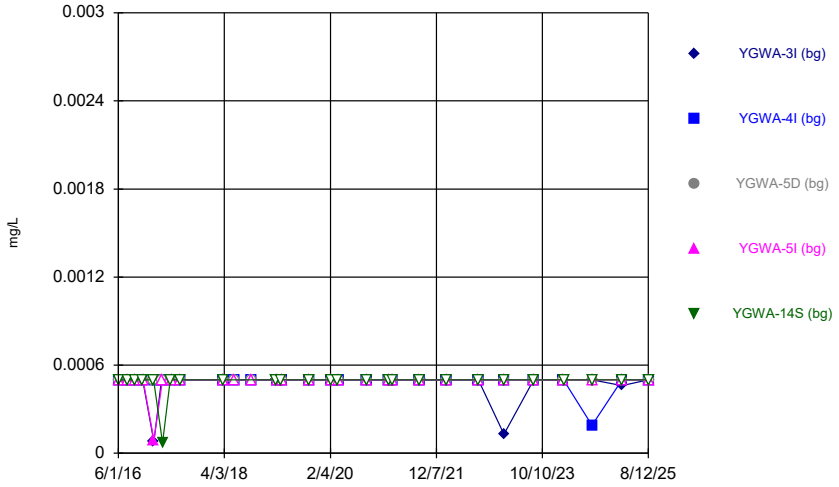
Time Series



Constituent: Cadmium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

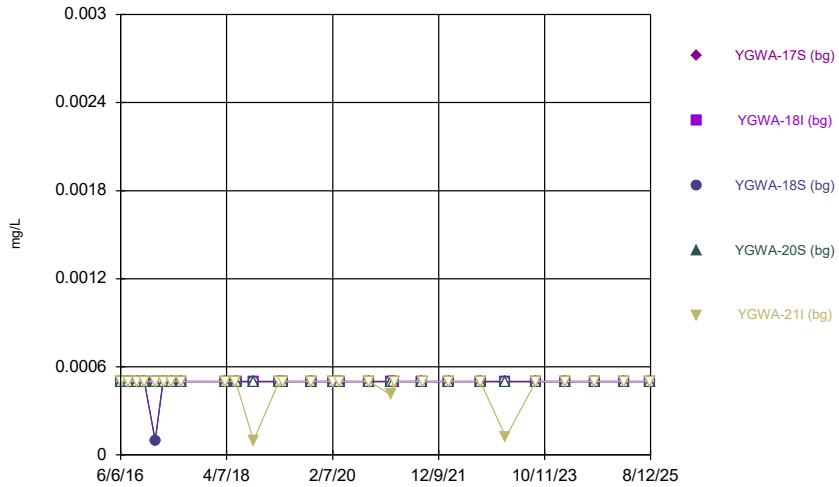
Time Series



Constituent: Cadmium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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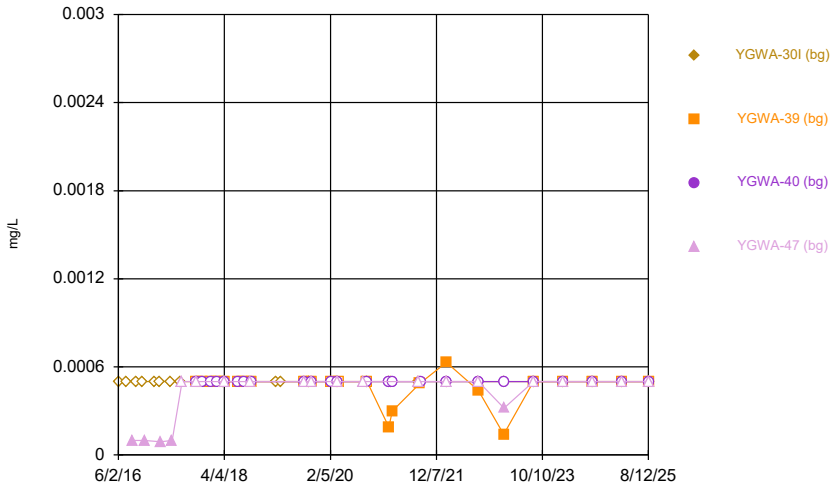
Time Series



Constituent: Cadmium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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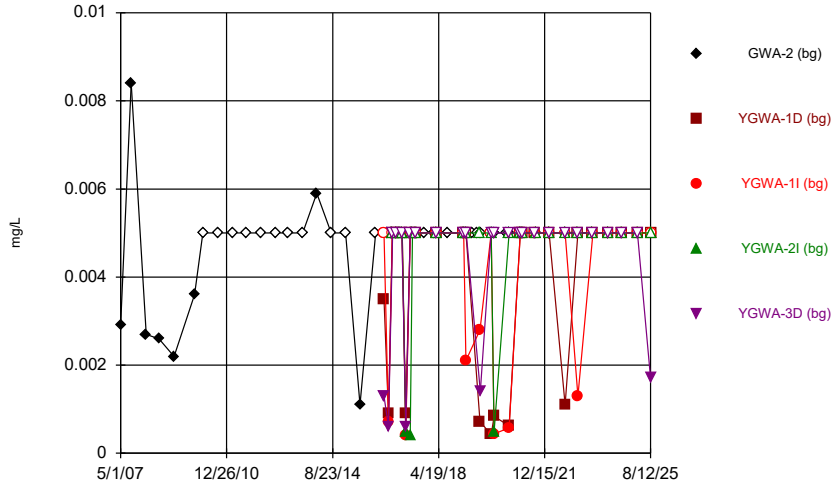
Time Series



Constituent: Cadmium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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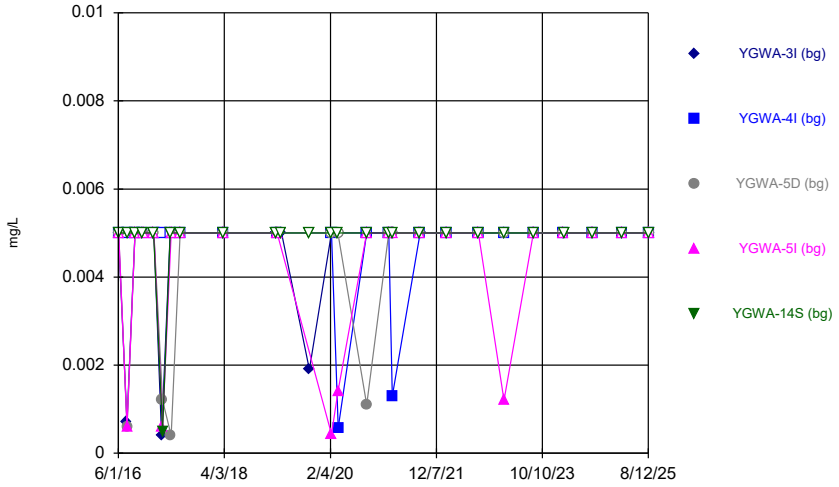
Time Series



Constituent: Chromium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

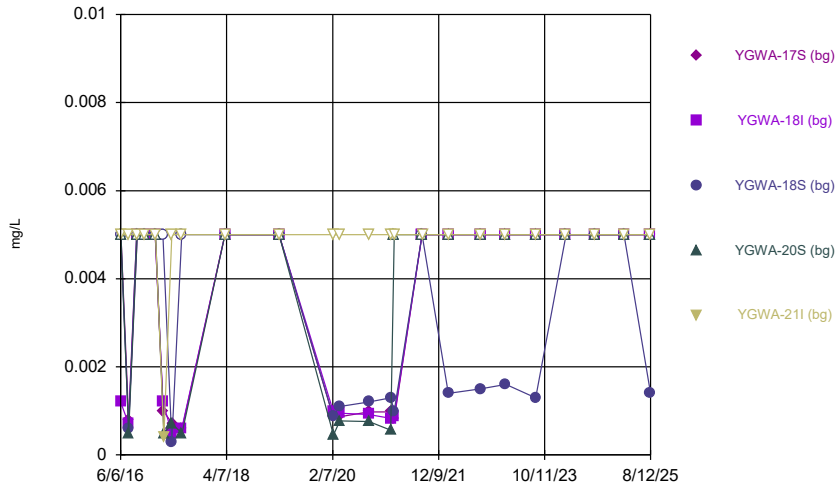
Time Series



Constituent: Chromium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

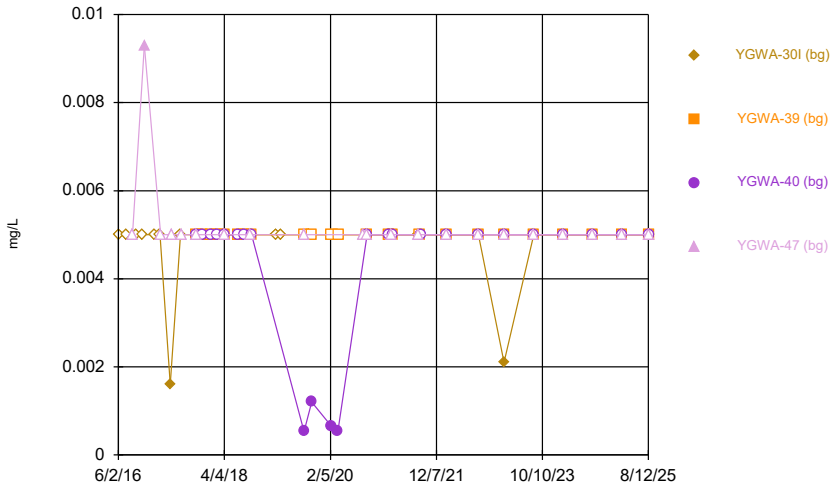
Time Series



Constituent: Chromium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

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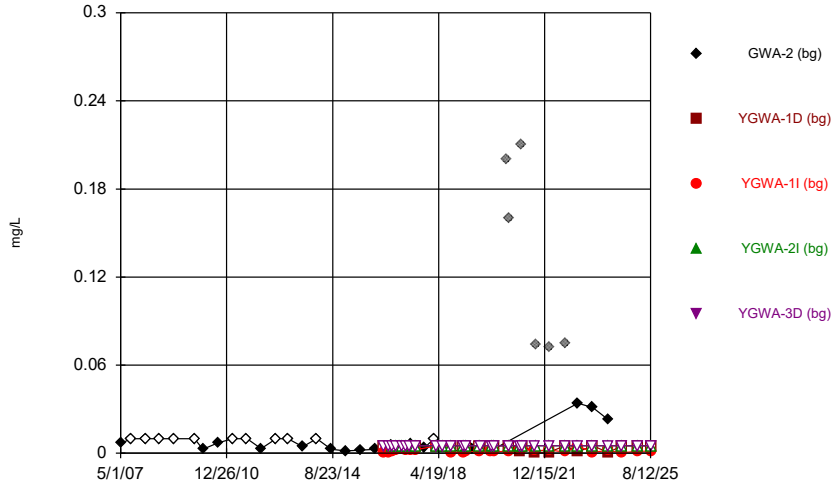
Time Series



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Plant Yates Client: Southern Company Data: Yates AP-1

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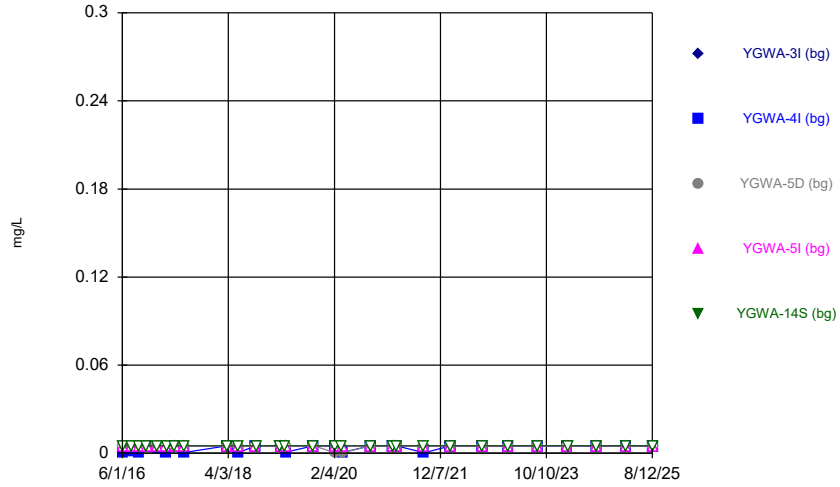
Time Series



Constituent: Cobalt Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

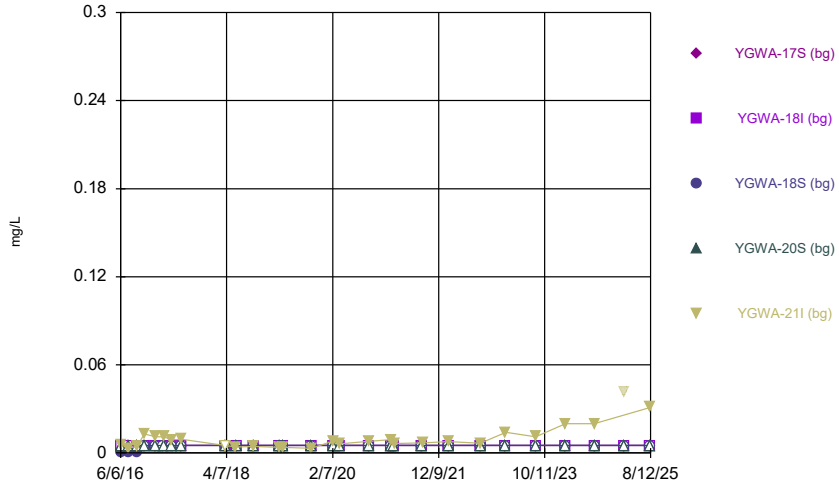
Time Series



Constituent: Cobalt Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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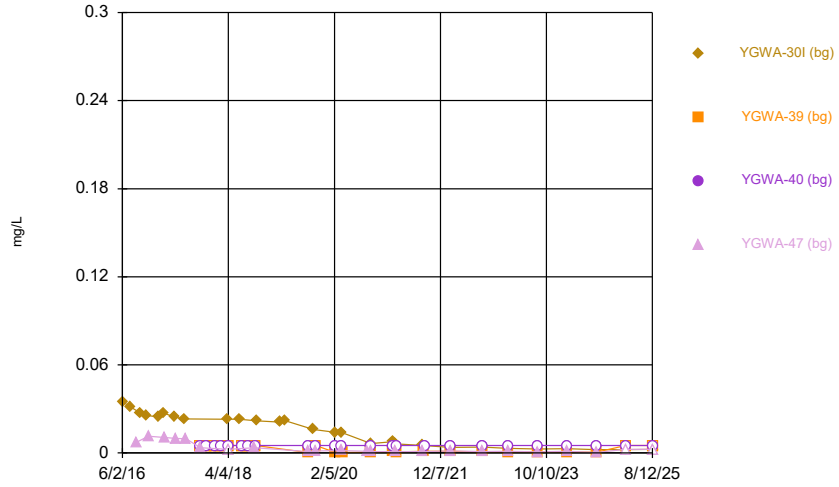
Time Series



Constituent: Cobalt Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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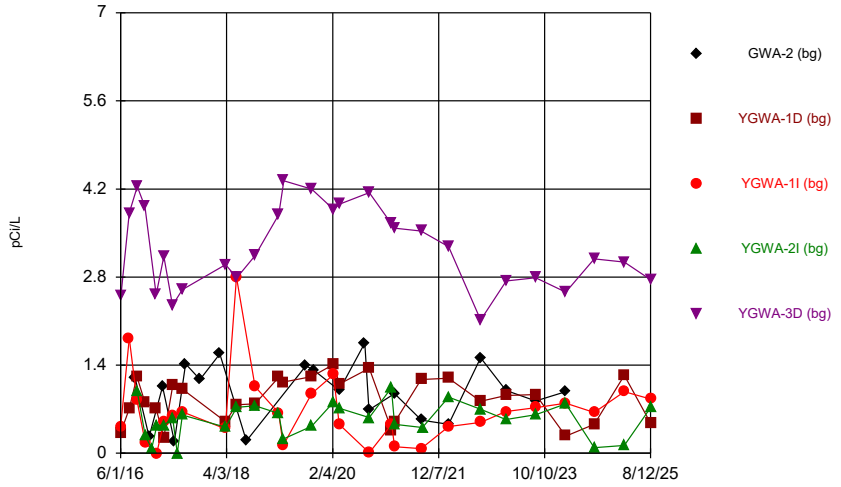
Time Series



Constituent: Cobalt Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

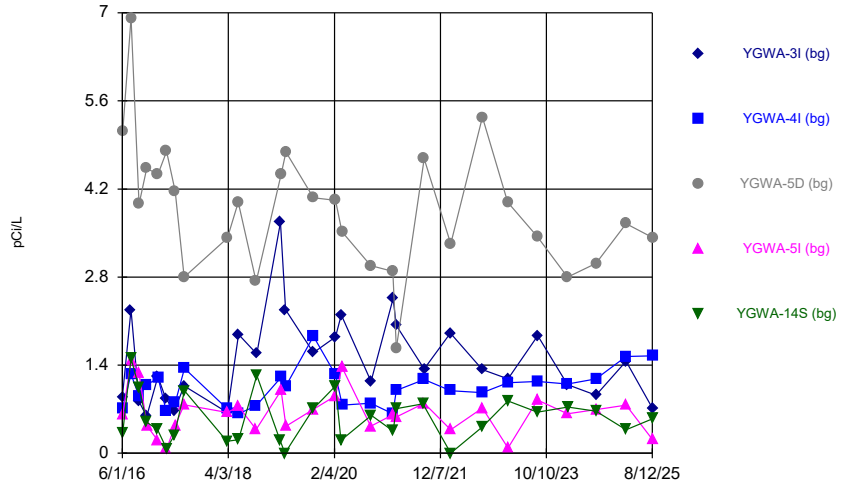
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limit
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

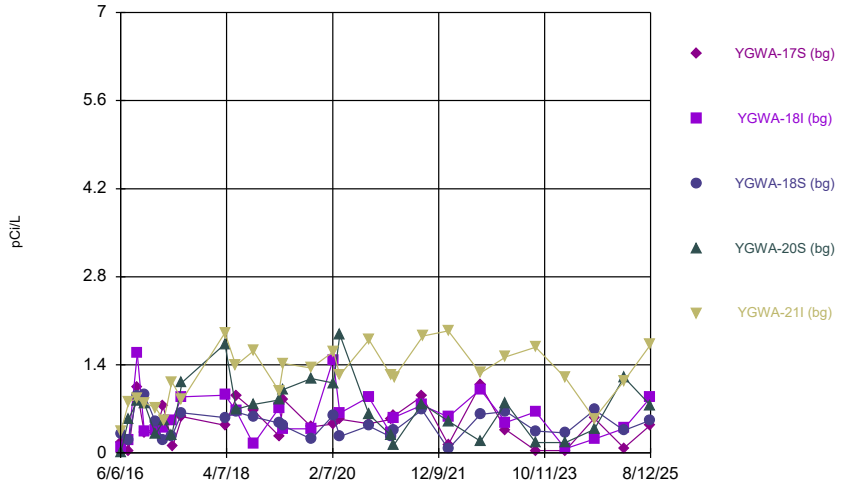
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limit
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

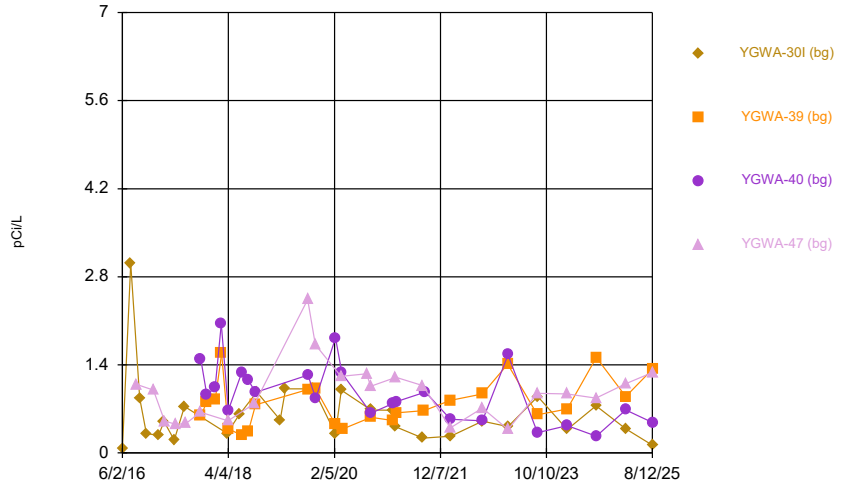
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limit
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

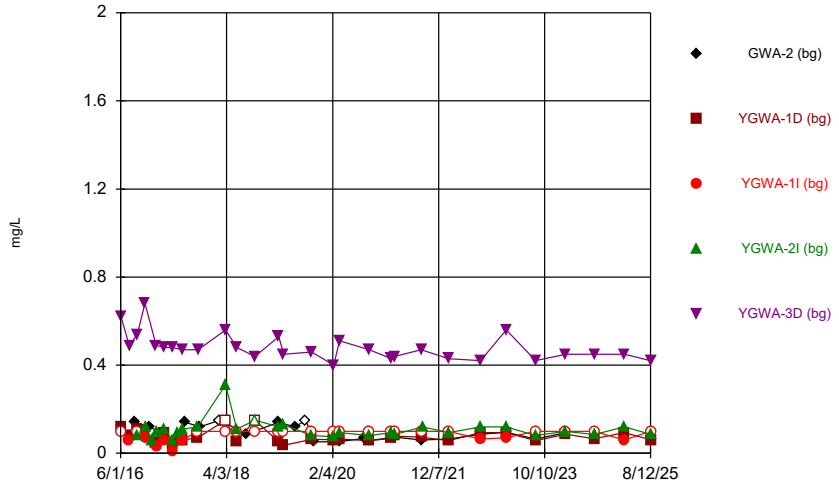
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limit
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

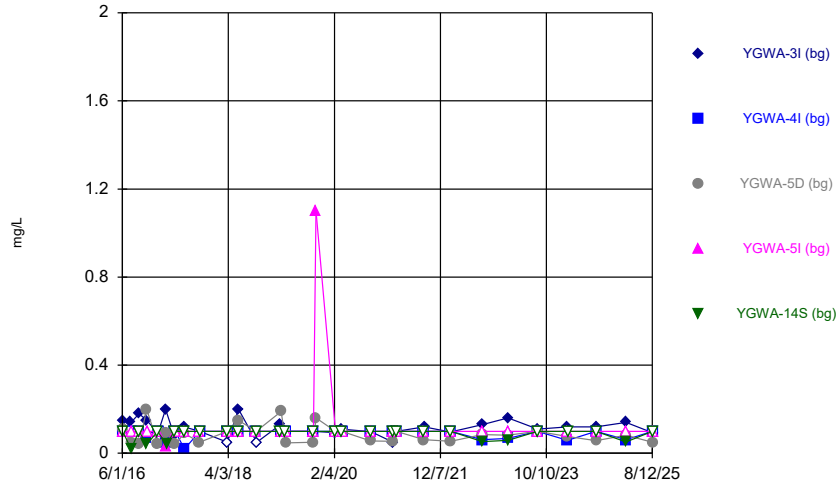
Time Series



Constituent: Fluoride Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

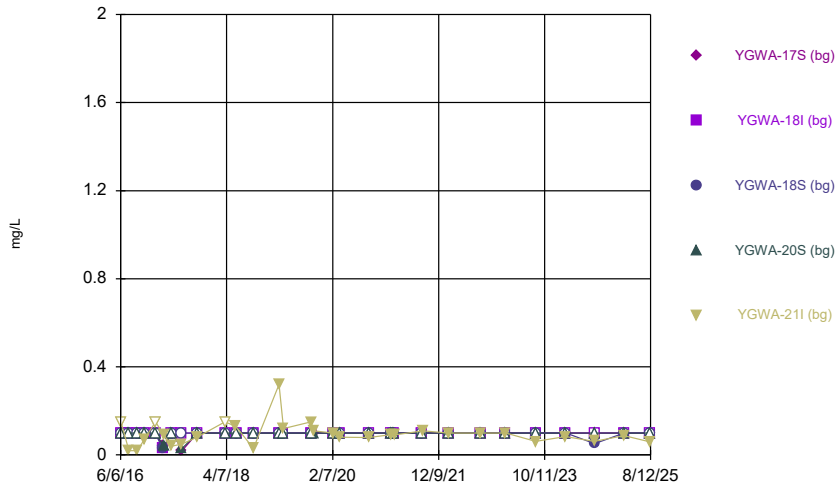
Time Series



Constituent: Fluoride Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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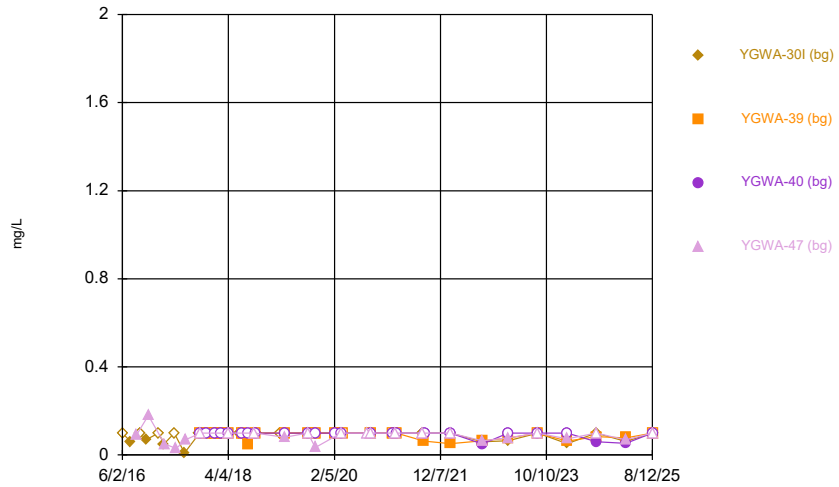
Time Series



Constituent: Fluoride Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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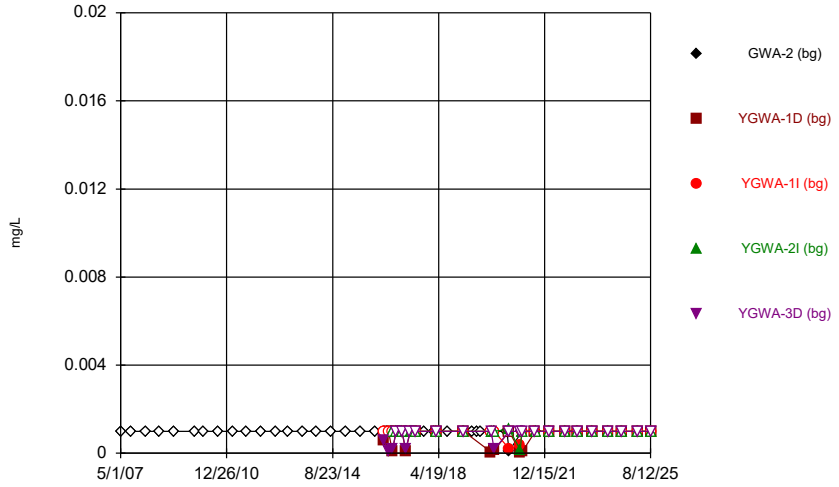
Time Series



Constituent: Fluoride Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

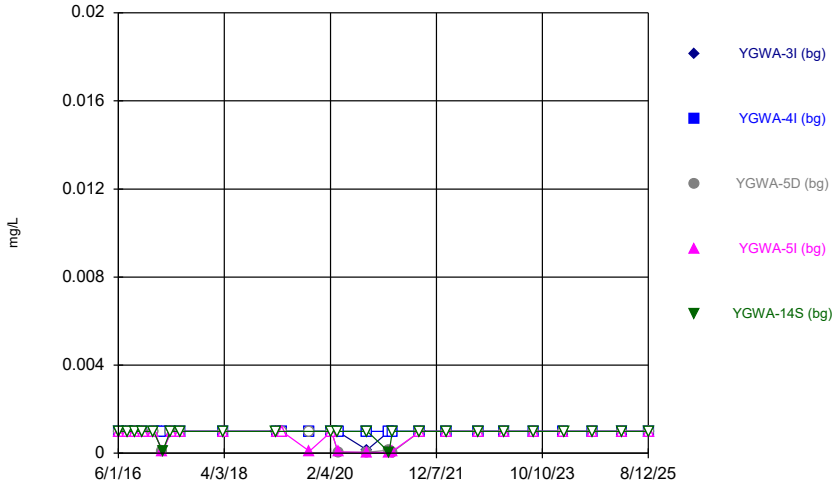
Time Series



Constituent: Lead Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

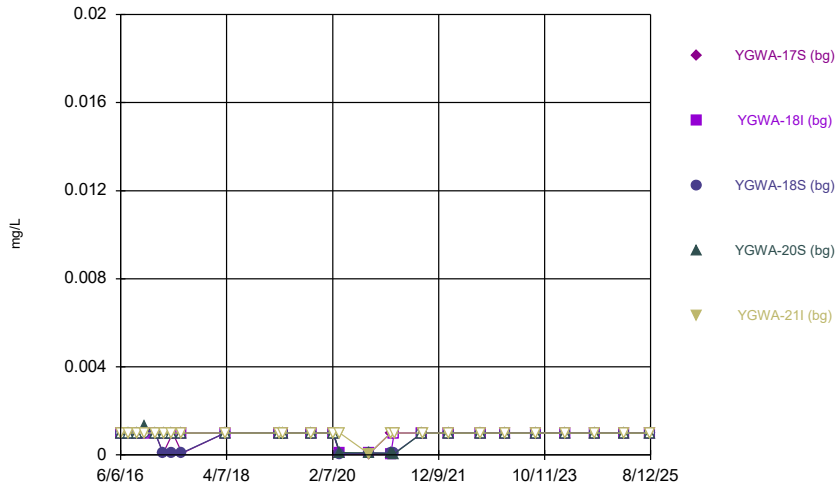
Time Series



Constituent: Lead Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
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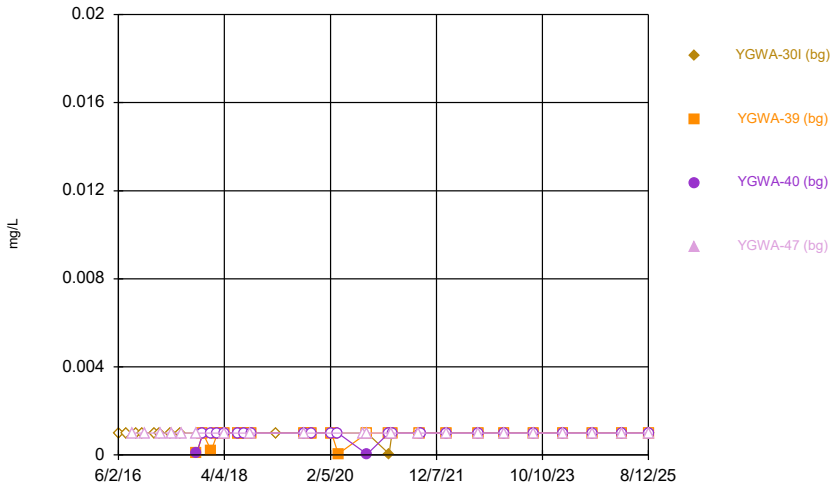
Time Series



Constituent: Lead Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

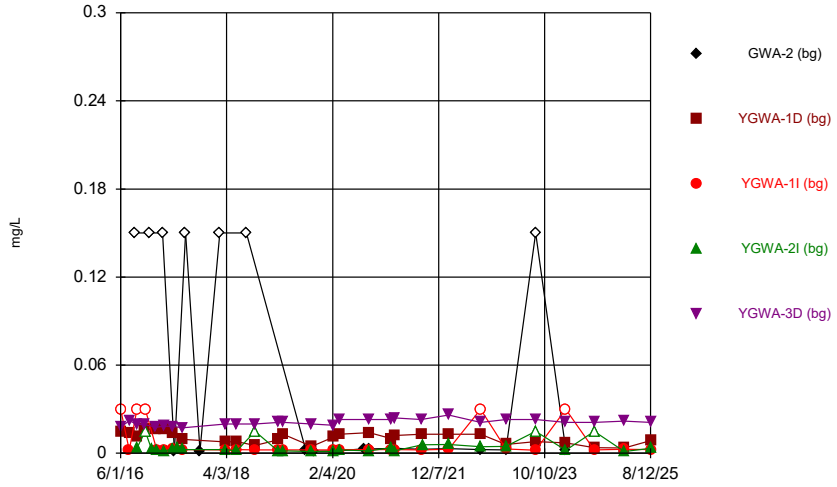
Time Series



Constituent: Lead Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

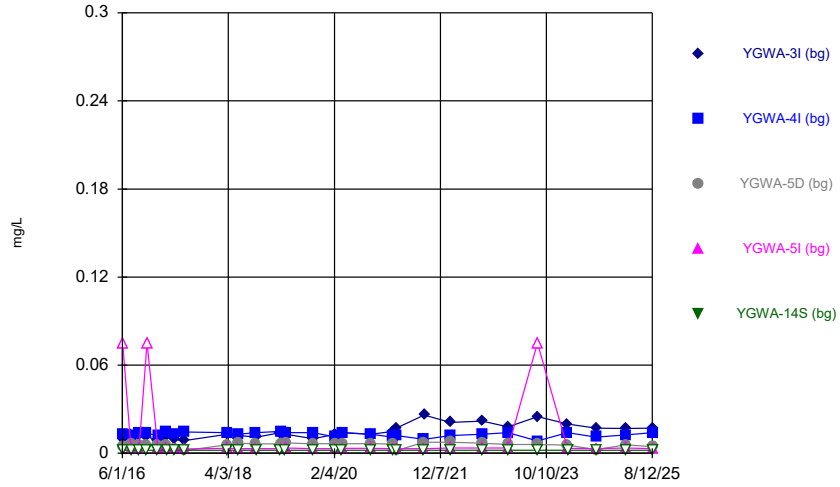
Time Series



Constituent: Lithium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

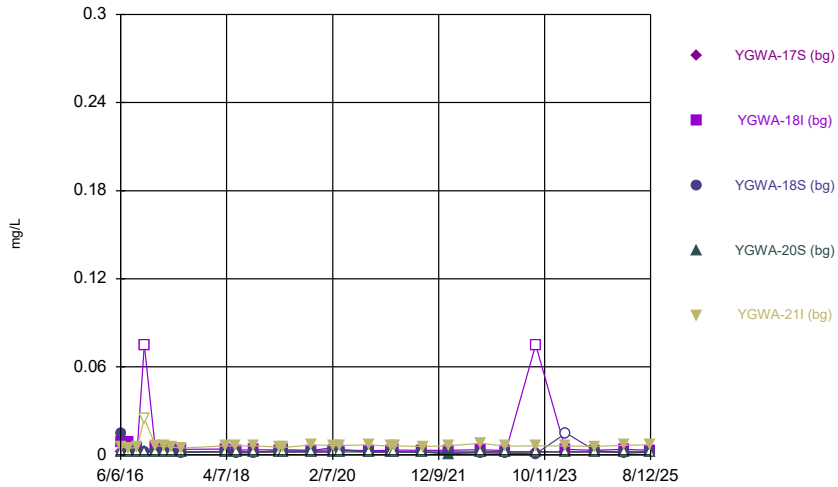
Time Series



Constituent: Lithium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

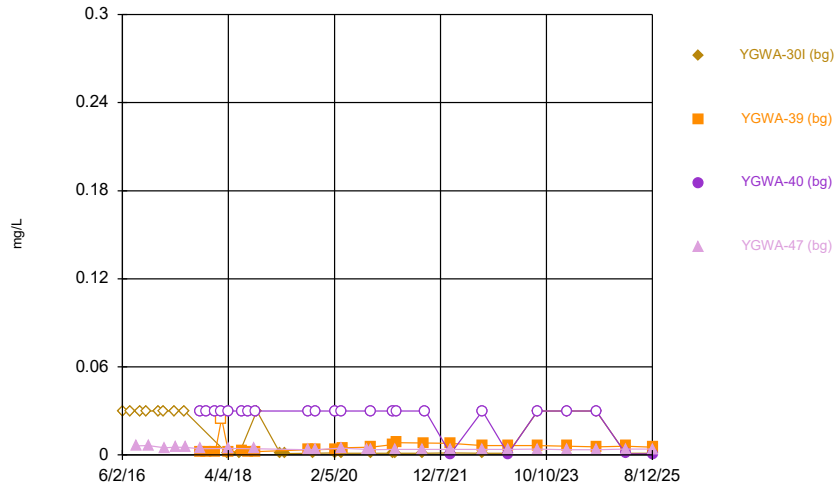
Time Series



Constituent: Lithium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

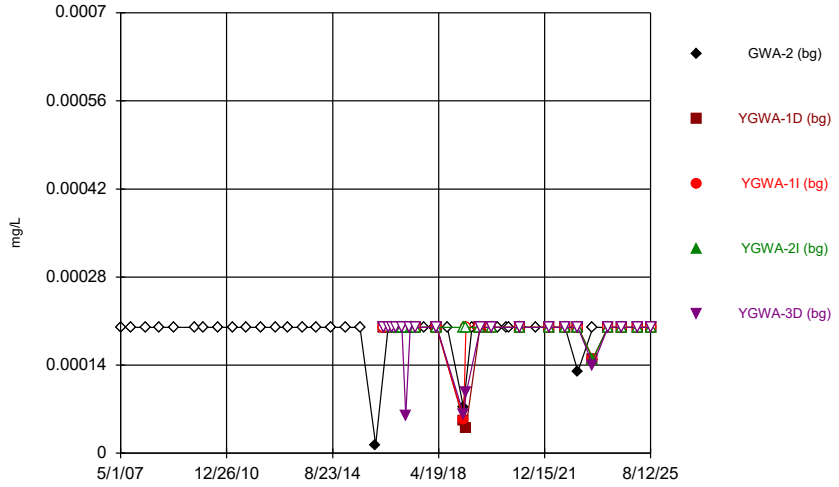
Time Series



Constituent: Lithium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

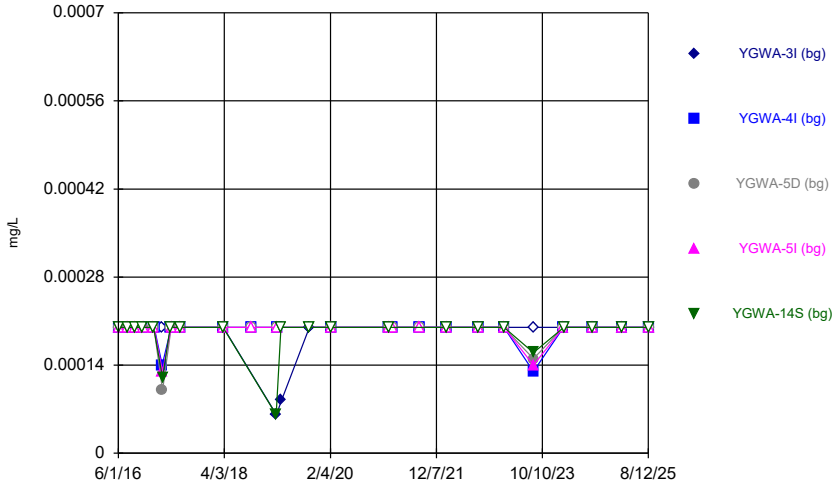
Time Series



Constituent: Mercury Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

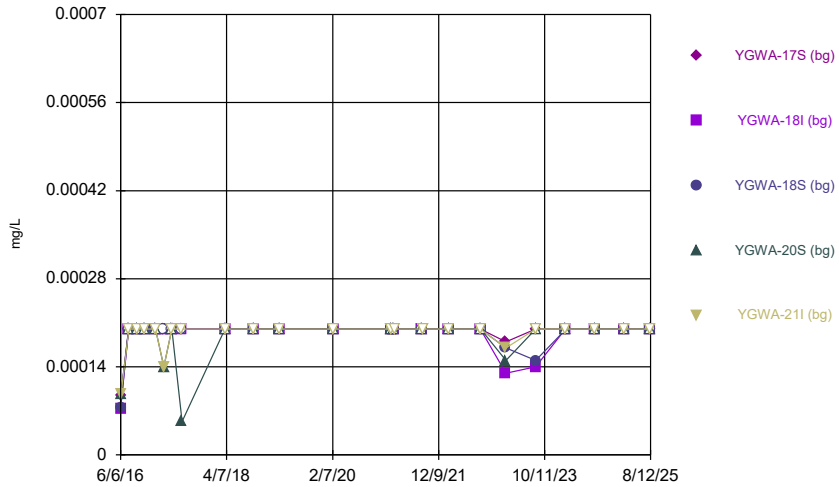
Time Series



Constituent: Mercury Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

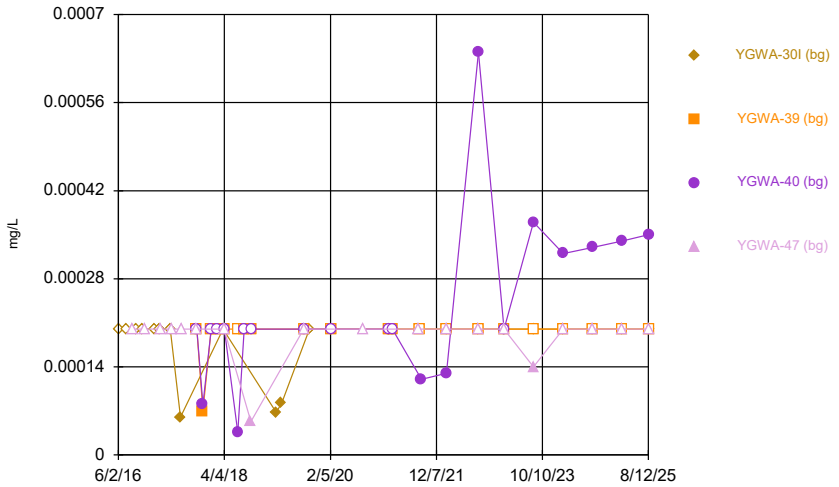
Time Series



Constituent: Mercury Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

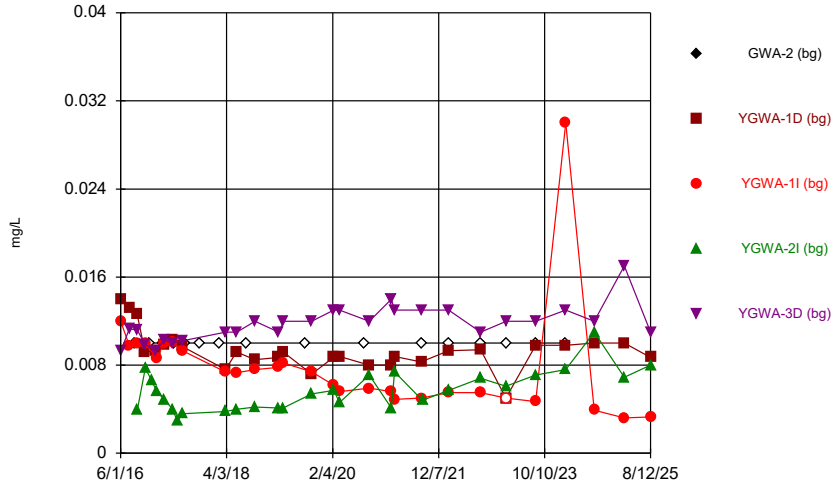
Time Series



Constituent: Mercury Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

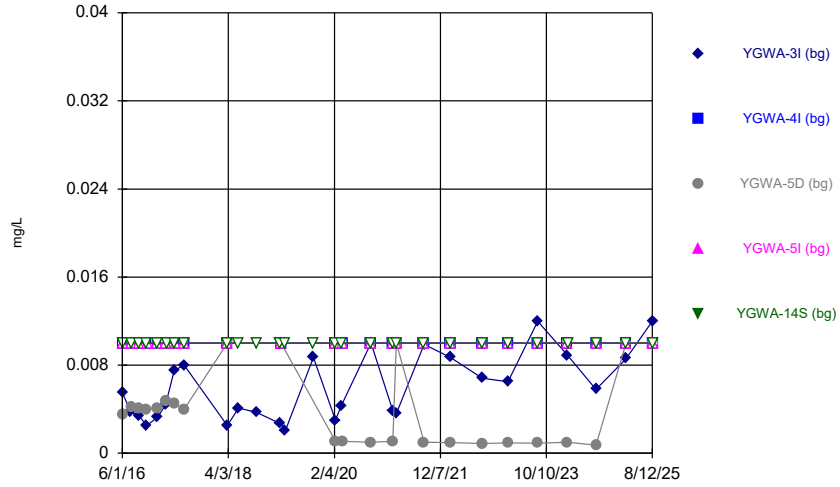
Time Series



Constituent: Molybdenum Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

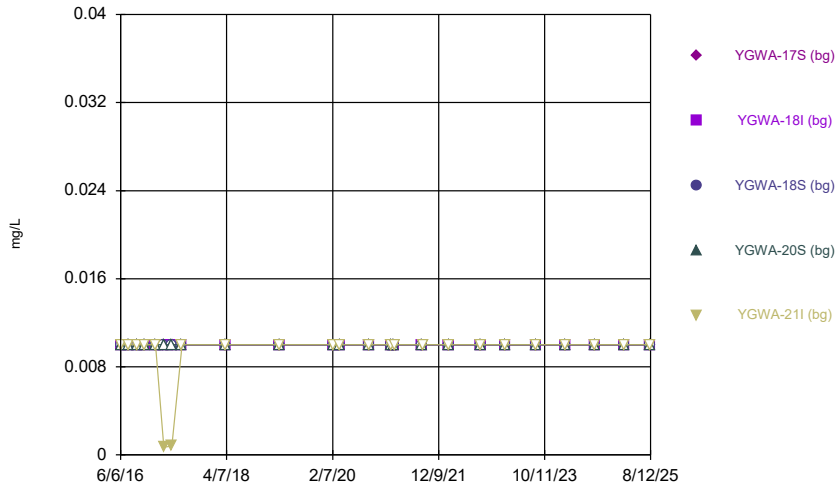
Time Series



Constituent: Molybdenum Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

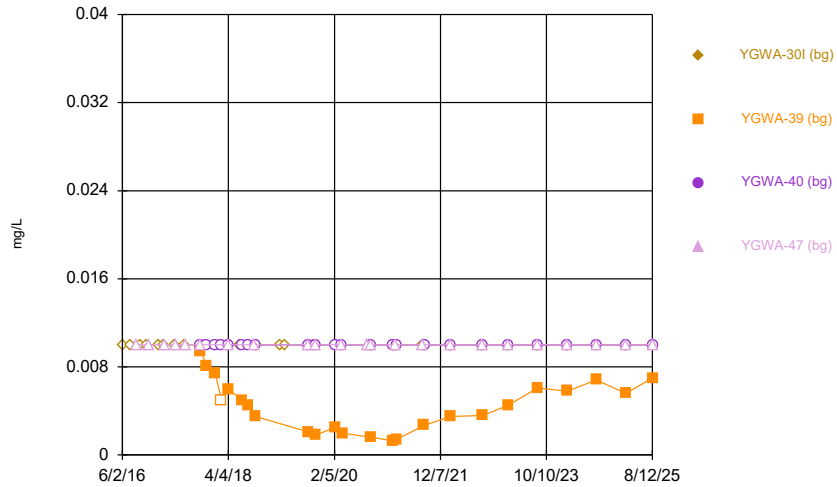
Time Series



Constituent: Molybdenum Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

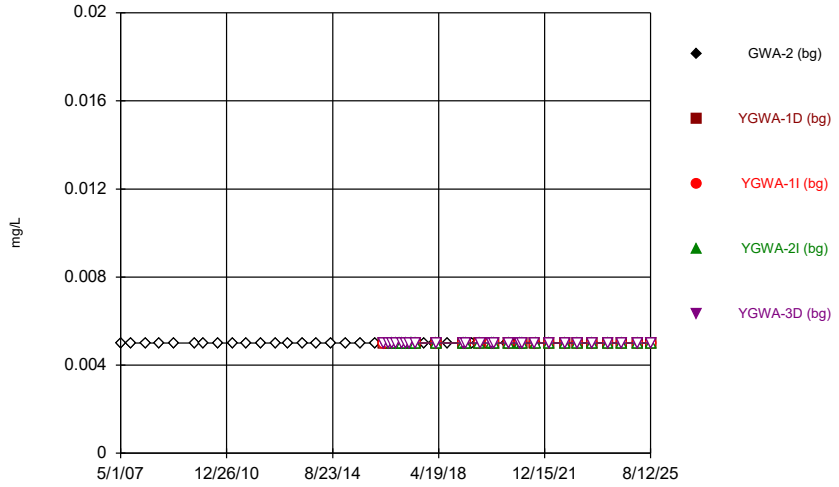
Time Series



Constituent: Molybdenum Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

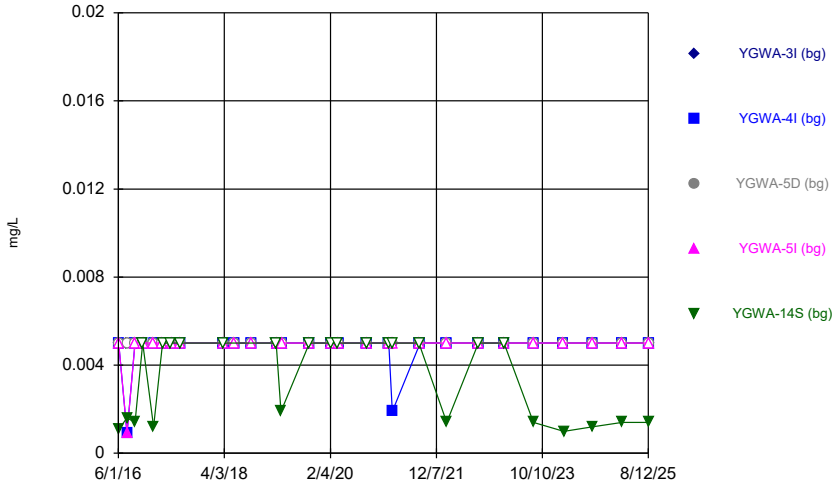
Time Series



Constituent: Selenium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

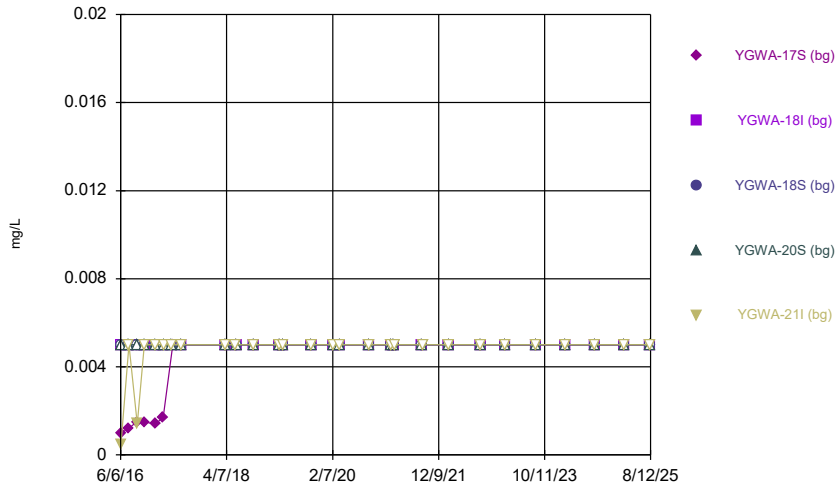
Time Series



Constituent: Selenium Analysis Run 10/13/2025 1:23 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

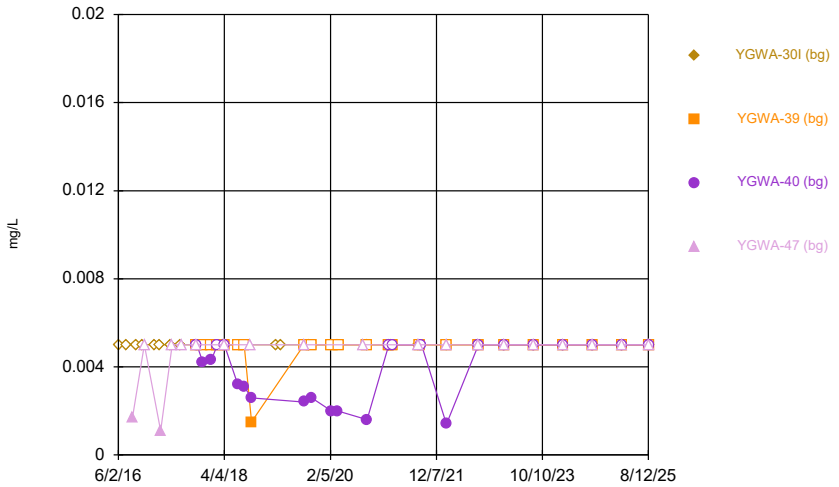
Time Series



Constituent: Selenium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

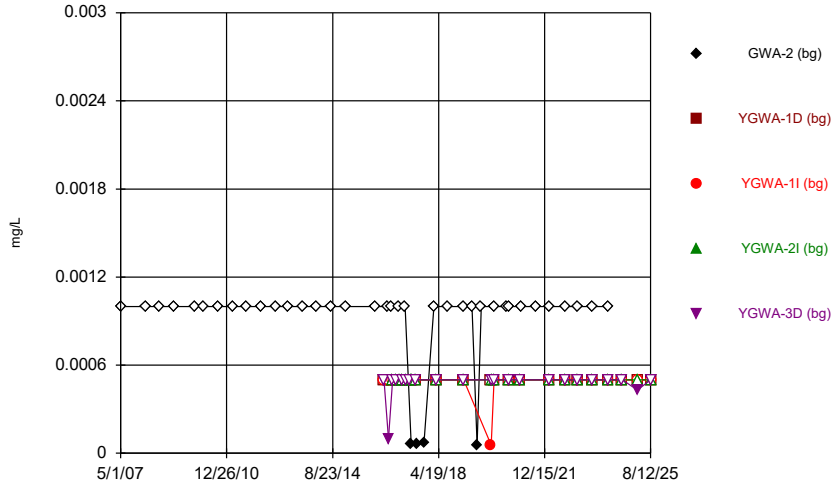
Time Series



Constituent: Selenium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

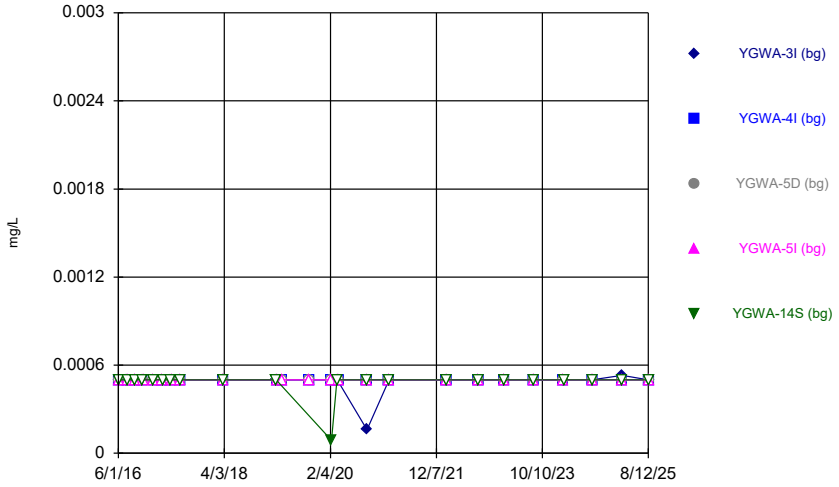
Time Series



Constituent: Thallium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

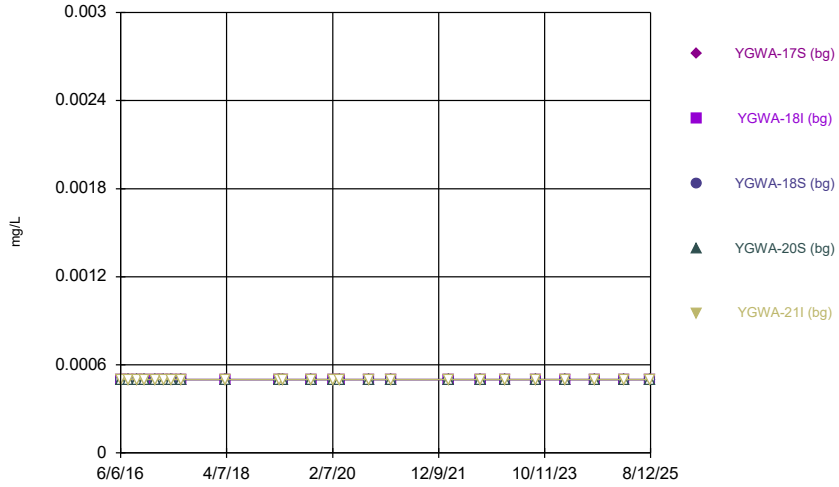
Time Series



Constituent: Thallium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

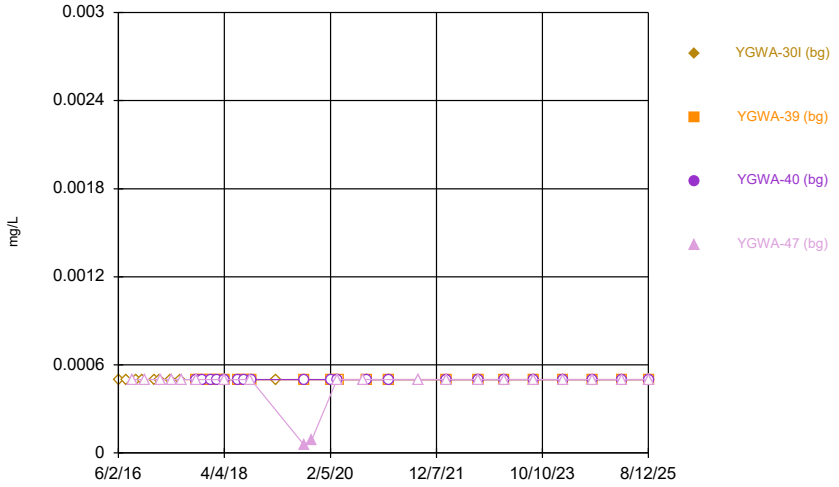
Time Series



Constituent: Thallium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

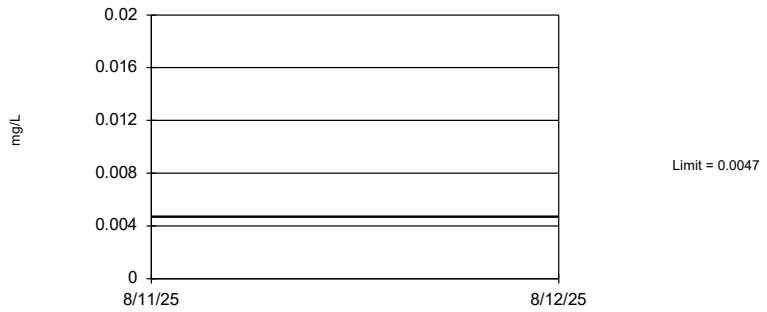


Constituent: Thallium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

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Tolerance Limit

Interwell Non-parametric



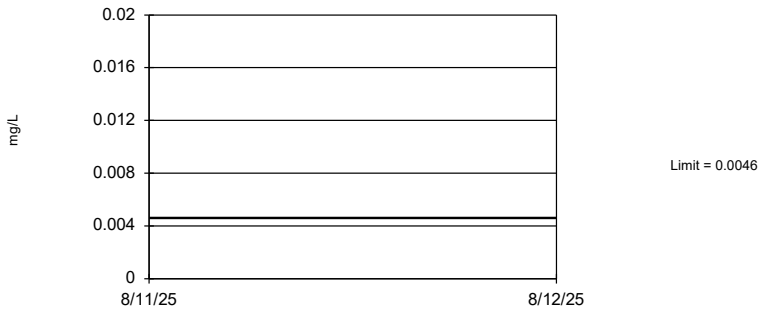
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 485 background values. 87.84% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Antimony Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



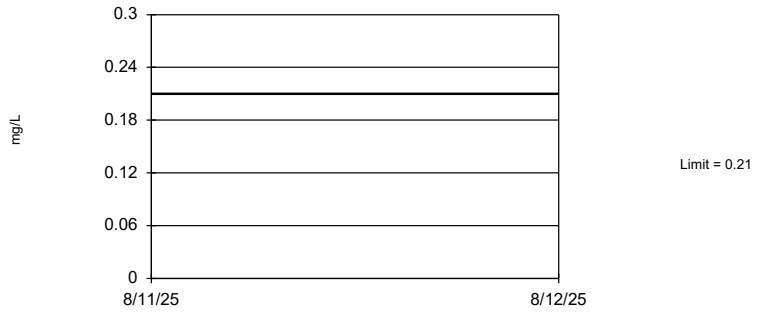
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 533 background values. 75.42% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Arsenic Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



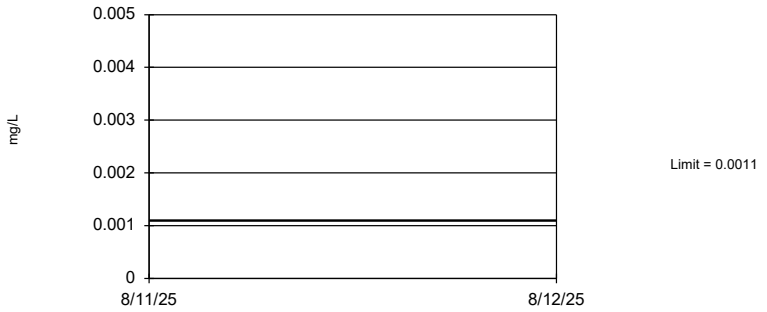
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 533 background values. 2.064% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Barium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



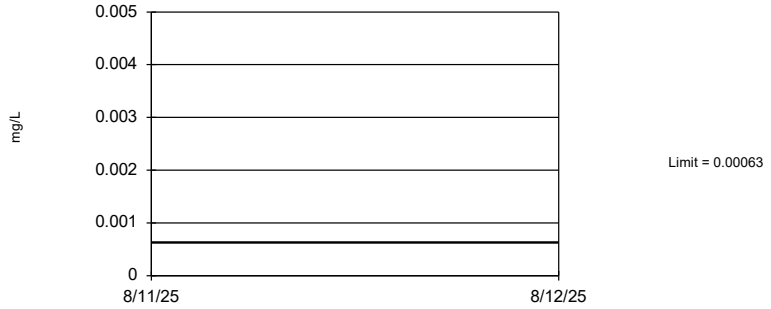
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 517 background values. 80.66% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Beryllium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



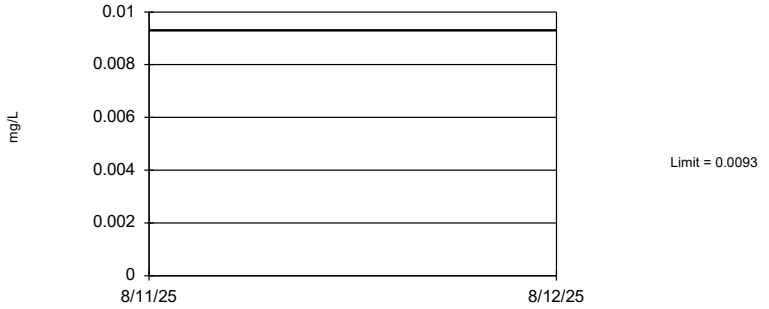
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 517 background values. 94.97% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cadmium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



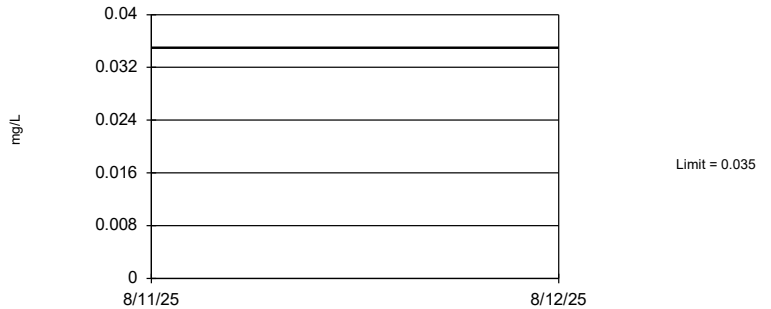
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 485 background values. 80.82% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Chromium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



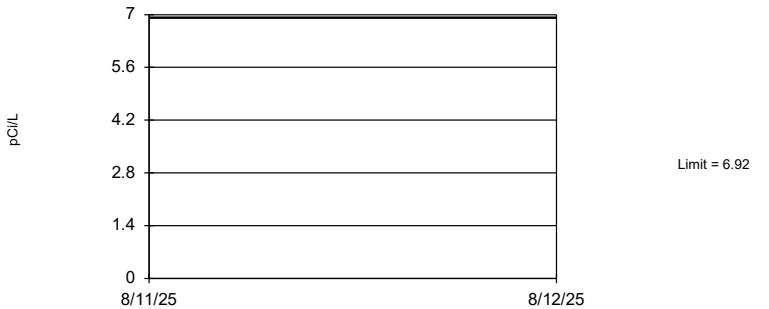
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 526 background values. 69.96% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cobalt Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



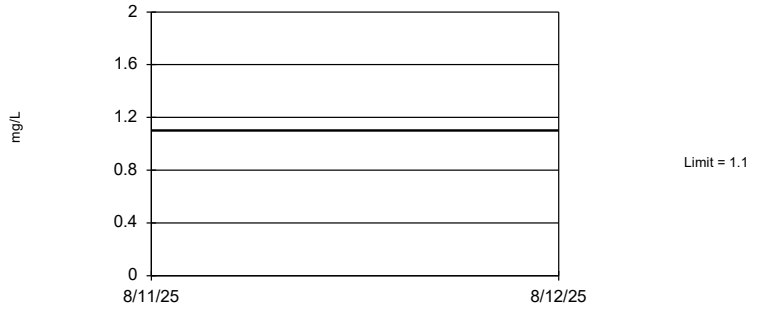
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 511 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Combined Radium 226 + 228 Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limit
Plant Yates Client: Southern Company Data: Yates AP-1

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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 536 background values. 54.66% 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: Fluoride Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



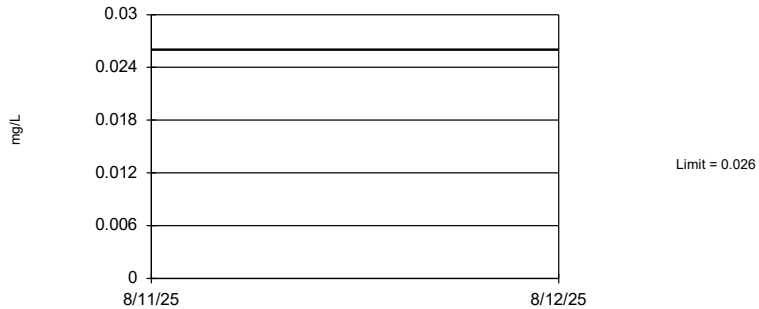
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 487 background values. 88.3% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lead Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



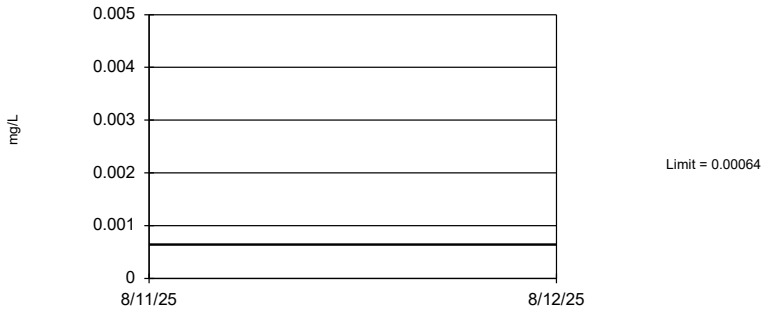
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 511 background values. 26.81% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lithium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 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 441 background values. 87.53% 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: Mercury Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



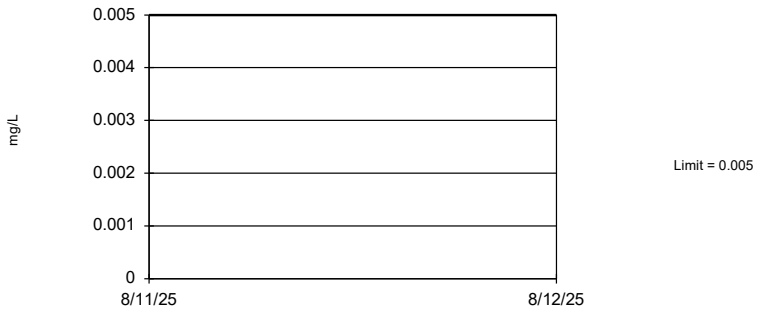
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 475 background values. 61.68% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Molybdenum Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

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Tolerance Limit

Interwell Non-parametric



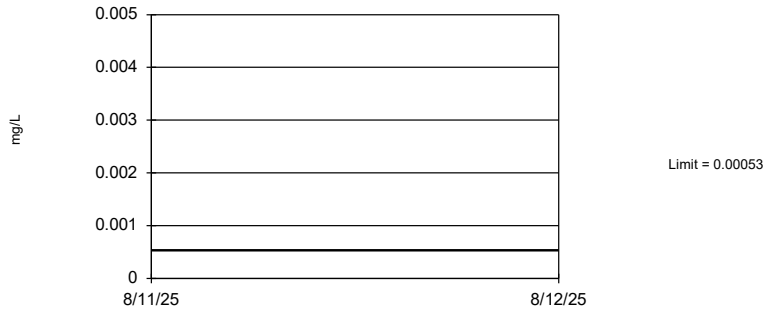
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 515 background values. 93.01% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Selenium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

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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 449 background values. 97.33% 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: Thallium Analysis Run 10/13/2025 1:24 PM View: Upper Tolerance Limits
Plant Yates Client: Southern Company Data: Yates AP-1

FIGURE G.

YATES ASH POND 1 GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0047	0.006
Arsenic, Total (mg/L)	0.01		0.0046	0.01
Barium, Total (mg/L)	2		0.21	2
Beryllium, Total (mg/L)	0.004		0.0011	0.004
Cadmium, Total (mg/L)	0.005		0.00063	0.005
Chromium, Total (mg/L)	0.1		0.0093	0.1
Cobalt, Total (mg/L)		0.006	0.035	0.035
Combined Radium, Total (pCi/L)	5		6.92	6.92
Fluoride, Total (mg/L)	4		1.1	4
Lead, Total (mg/L)		0.015	0.0013	0.015
Lithium, Total (mg/L)		0.04	0.026	0.04
Mercury, Total (mg/L)	0.002		0.00064	0.002
Molybdenum, Total (mg/L)		0.1	0.03	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.00053	0.002

**Gray cell indicates Background Limit is higher than MCL or CCR Rule Specified Level*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

FIGURE H.

Appendix IV Confidence Intervals - All Results (No Significant)

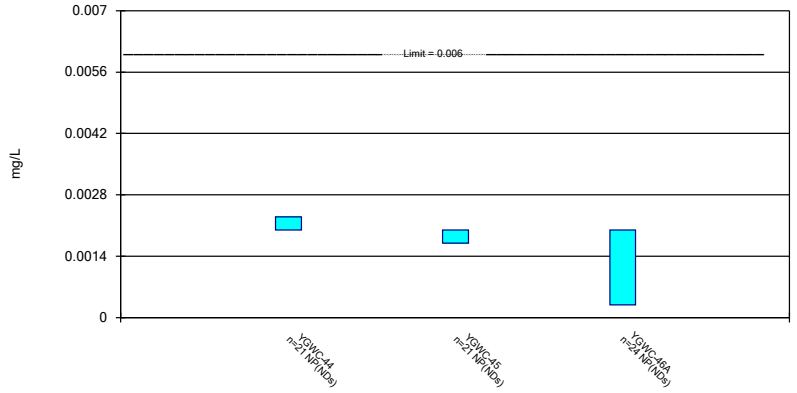
Plant Yates Client: Southern Company Data: Yates AP-1 Printed 10/13/2025, 1:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	YGWC-44	0.0023	0.002	0.006	No	21	0.002014	0.00006547	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	YGWC-45	0.002	0.0017	0.006	No	21	0.001986	0.00006547	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	YGWC-46A	0.002	0.00029	0.006	No	24	0.001929	0.0003491	95.83	None	No	0.01	NP (NDs)
Arsenic (mg/L)	YGWC-44	0.0041	0.00097	0.01	No	23	0.001914	0.0008993	69.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	YGWC-45	0.002	0.00078	0.01	No	23	0.001805	0.0005552	78.26	None	No	0.01	NP (NDs)
Arsenic (mg/L)	YGWC-46A	0.002	0.0011	0.01	No	26	0.001597	0.0005368	42.31	None	No	0.01	NP (normality)
Arsenic (mg/L)	YGWC-52	0.0044	0.002	0.01	No	14	0.002171	0.0006414	92.86	None	No	0.01	NP (NDs)
Barium (mg/L)	YGWC-44	0.1051	0.08468	2	No	23	0.09487	0.01949	0	None	No	0.01	Param.
Barium (mg/L)	YGWC-45	0.06546	0.05449	2	No	23	0.05998	0.01049	0	None	No	0.01	Param.
Barium (mg/L)	YGWC-46A	0.04599	0.04121	2	No	15	0.0436	0.003521	0	None	No	0.01	Param.
Barium (mg/L)	YGWC-52	0.01983	0.01774	2	No	14	0.01879	0.001477	0	None	No	0.01	Param.
Cadmium (mg/L)	YGWC-46A	0.0005	0.00012	0.005	No	23	0.0004496	0.0001332	86.96	None	No	0.01	NP (NDs)
Chromium (mg/L)	YGWC-44	0.005	0.0021	0.1	No	21	0.004862	0.0006328	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	YGWC-45	0.0061	0.0006	0.1	No	21	0.004632	0.001365	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	YGWC-52	0.005	0.00094	0.1	No	14	0.003631	0.001931	64.29	None	No	0.01	NP (NDs)
Cobalt (mg/L)	YGWC-44	0.003274	0.001524	0.035	No	23	0.002716	0.002442	4.348	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	YGWC-45	0.0009	0.00055	0.035	No	23	0.0009391	0.0006355	13.04	None	No	0.01	NP (normality)
Cobalt (mg/L)	YGWC-46A	0.002271	0.0009578	0.035	No	15	0.001687	0.001089	13.33	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	YGWC-52	0.001842	0.0009539	0.035	No	14	0.001398	0.0006267	7.143	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	YGWC-44	0.8217	0.3081	6.92	No	23	0.642	0.5693	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	YGWC-45	1.429	1.006	6.92	No	23	1.218	0.4047	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	YGWC-46A	1.882	1.173	6.92	No	27	1.528	0.7435	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	YGWC-52	0.9198	0.4432	6.92	No	14	0.6815	0.3364	0	None	No	0.01	Param.
Fluoride (mg/L)	YGWC-44	0.1	0.07	4	No	24	0.09363	0.01793	79.17	None	No	0.01	NP (NDs)
Fluoride (mg/L)	YGWC-45	0.22	0.075	4	No	24	0.1748	0.1504	16.67	None	No	0.01	NP (normality)
Fluoride (mg/L)	YGWC-46A	0.17	0.1	4	No	27	0.1486	0.09318	18.52	None	No	0.01	NP (normality)
Fluoride (mg/L)	YGWC-52	0.1	0.063	4	No	14	0.09114	0.01769	78.57	None	No	0.01	NP (NDs)
Lead (mg/L)	YGWC-45	0.001	0.0001	0.015	No	21	0.0009571	0.0001964	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	YGWC-46A	0.001	0.000044	0.015	No	24	0.0009602	0.0001951	95.83	None	No	0.01	NP (NDs)
Lead (mg/L)	YGWC-52	0.001	0.000087	0.015	No	14	0.0007359	0.0004334	71.43	None	No	0.01	NP (NDs)
Lithium (mg/L)	YGWC-44	0.01343	0.01247	0.04	No	23	0.01295	0.000913	0	None	No	0.01	Param.
Lithium (mg/L)	YGWC-45	0.01367	0.01204	0.04	No	23	0.01289	0.001594	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	YGWC-46A	0.01438	0.01174	0.04	No	15	0.01306	0.001953	0	None	No	0.01	Param.
Lithium (mg/L)	YGWC-52	0.004322	0.00366	0.04	No	14	0.003991	0.0004673	0	None	No	0.01	Param.
Mercury (mg/L)	YGWC-44	0.0002	0.00006	0.002	No	19	0.0001926	0.00003212	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	YGWC-45	0.0002	0.000071	0.002	No	19	0.0001932	0.00002959	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	YGWC-46A	0.0002	0.00007	0.002	No	21	0.0001938	0.00002837	95.24	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	YGWC-44	0.01	0.0005	0.1	No	23	0.009587	0.001981	95.65	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	YGWC-45	0.0024	0.0011	0.1	No	23	0.003207	0.003674	21.74	None	No	0.01	NP (normality)
Molybdenum (mg/L)	YGWC-46A	0.002555	0.001698	0.1	No	26	0.003488	0.002928	15.38	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	YGWC-52	0.01	0.00083	0.1	No	14	0.009345	0.002451	92.86	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	YGWC-44	0.0005	0.00008	0.002	No	21	0.00048	0.00009165	95.24	None	No	0.01	NP (NDs)
Thallium (mg/L)	YGWC-46A	0.0005	0.000073	0.002	No	23	0.0004814	0.00008904	95.65	None	No	0.01	NP (NDs)

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

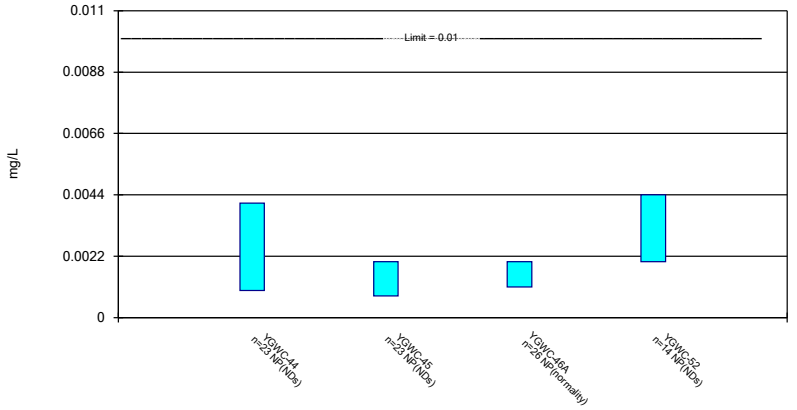


Constituent: Antimony Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

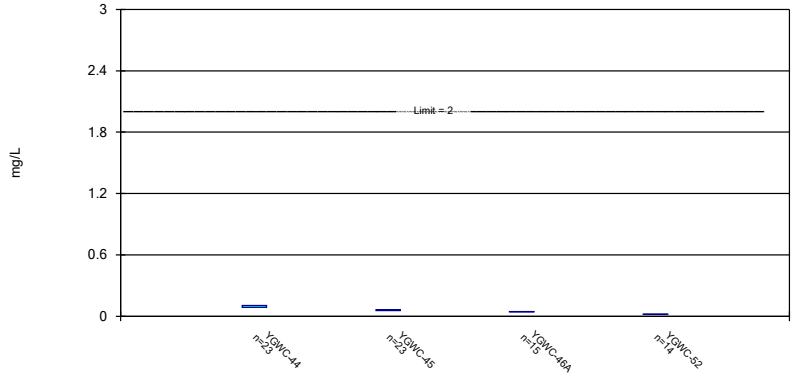


Constituent: Arsenic Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

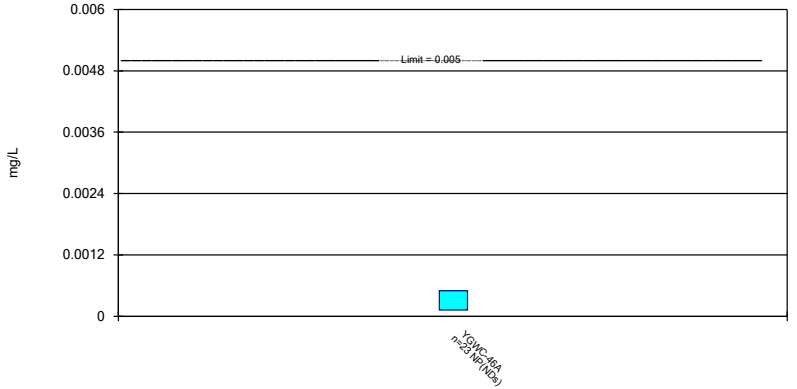


Constituent: Barium Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

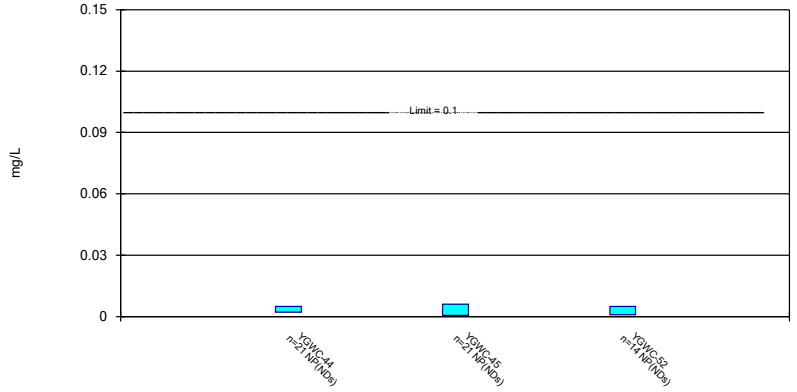


Constituent: Cadmium Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

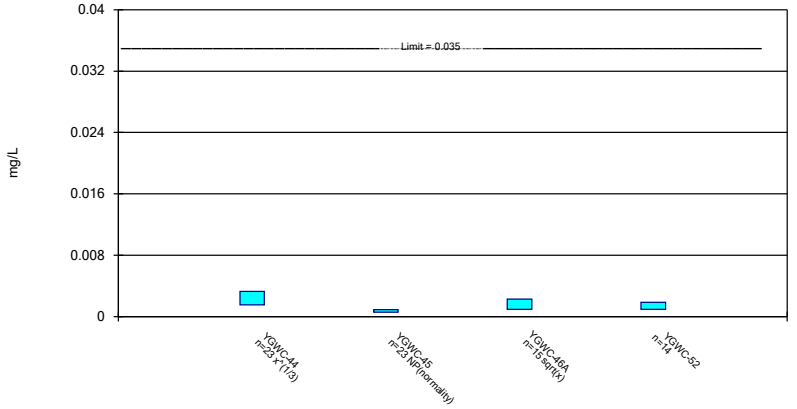


Constituent: Chromium Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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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.

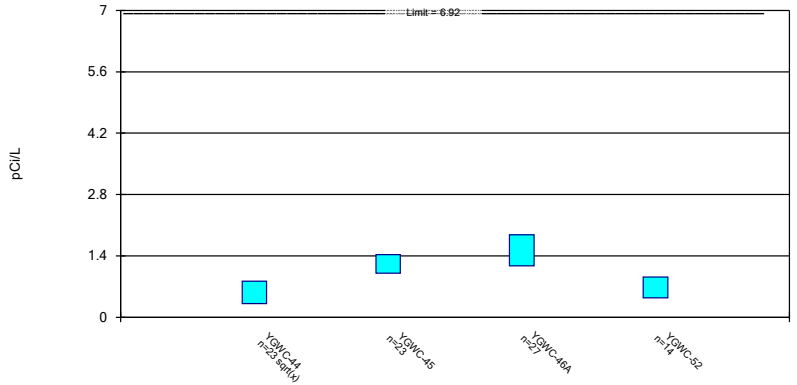


Constituent: Cobalt Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

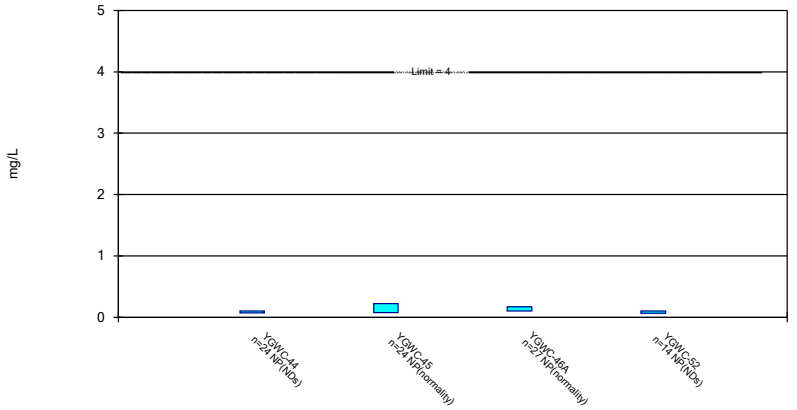


Constituent: Combined Radium 226 + 228 Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

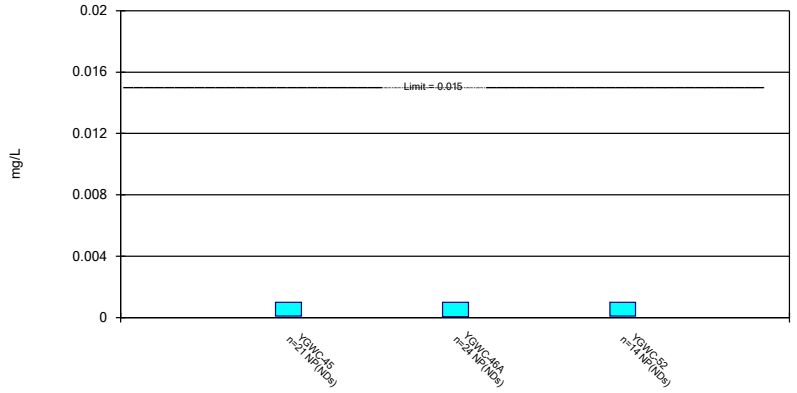


Constituent: Fluoride Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

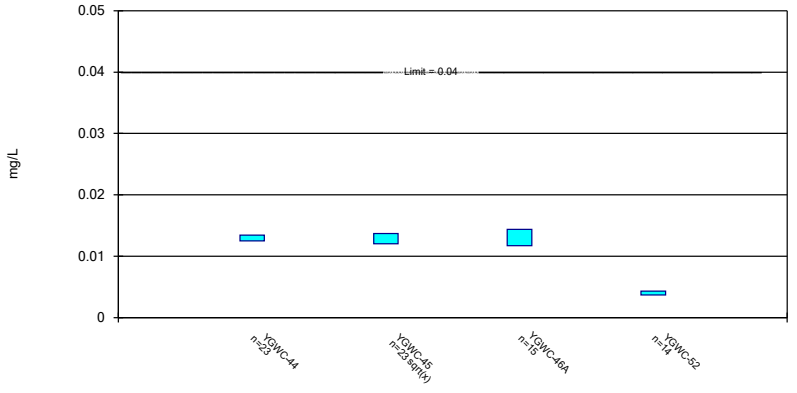


Constituent: Lead Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

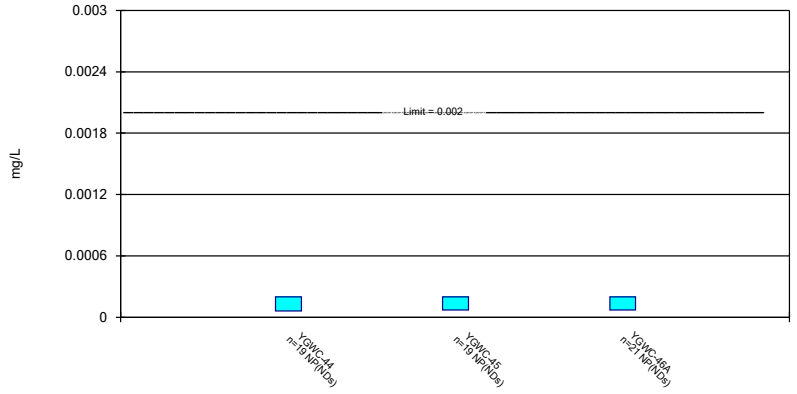


Constituent: Lithium Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

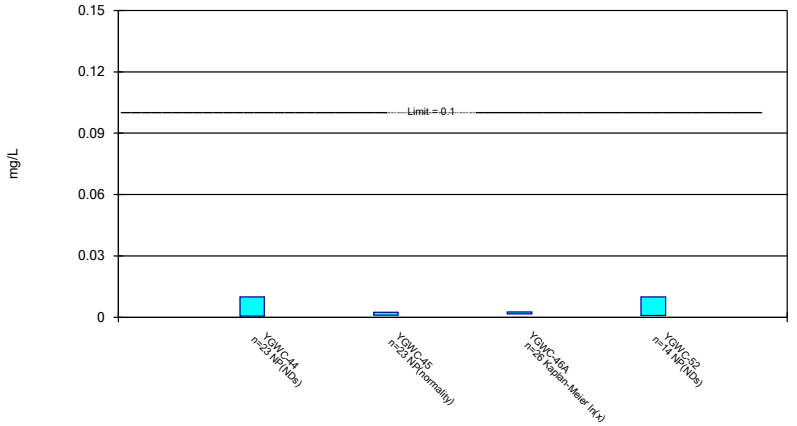


Constituent: Mercury Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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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.

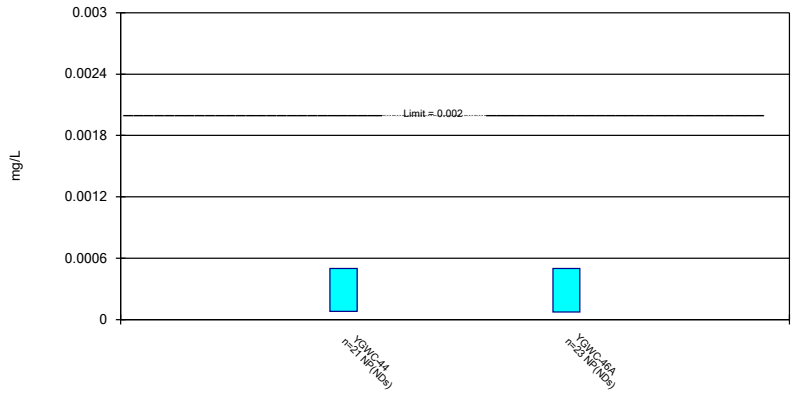


Constituent: Molybdenum Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals
Plant Yates Client: Southern Company Data: Yates AP-1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 10/13/2025 1:28 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-45	YGWC-46A
8/31/2016	<0.002	<0.002	
9/1/2016			<0.002
11/14/2016		<0.002	
11/15/2016	<0.002		
11/16/2016			<0.002
2/27/2017		<0.002	<0.002
2/28/2017	<0.002		
5/8/2017	<0.002		<0.002
5/9/2017		<0.002	
7/13/2017	<0.002	<0.002	<0.002
10/10/2017	<0.002	<0.002	
10/11/2017			<0.002
4/3/2018		<0.002	
4/4/2018	<0.002		<0.002
9/19/2018	<0.002	<0.002	<0.002
8/20/2019	<0.002	<0.002	
8/21/2019			<0.002
7/6/2020			<0.002
8/27/2020	<0.002		
8/28/2020		0.0017 (J)	0.00029 (J)
9/22/2020	<0.002		
9/23/2020		<0.002	<0.002
10/7/2020			<0.002
11/12/2020			<0.002
3/1/2021	<0.002	<0.002	
3/2/2021			<0.002
8/19/2021	<0.002	<0.002	
8/27/2021			<0.002
2/9/2022	<0.002	<0.002	<0.002
8/31/2022	<0.002	<0.002	<0.002
2/8/2023	<0.002		
2/9/2023		<0.002	
2/10/2023			<0.002
8/15/2023	0.0023 (J)	<0.002	<0.002
2/21/2024	<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002
2/26/2025	<0.002	<0.002	<0.002
8/12/2025	<0.002		
8/13/2025		<0.002	<0.002
Mean	0.002014	0.001986	0.001929
Std. Dev.	6.547E-05	6.547E-05	0.0003491
Upper Lim.	0.0023	0.002	0.002
Lower Lim.	0.002	0.0017	0.00029

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/31/2016	<0.002	<0.002		
9/1/2016			<0.002	
11/14/2016		<0.002		
11/15/2016	<0.002			
11/16/2016			<0.002	
2/27/2017		<0.002	<0.002	
2/28/2017	0.0005 (J)			
5/8/2017	0.0006 (J)		0.0007 (J)	
5/9/2017		<0.002		
7/13/2017	<0.002	<0.002	0.0011 (J)	
10/10/2017	0.0007 (J)	0.0006 (J)		
10/11/2017			0.0011 (J)	
4/3/2018		0.00061 (J)		
4/4/2018	<0.002		0.00087 (J)	
9/19/2018	0.00086 (J)	0.00072 (J)	0.0012 (J)	
8/20/2019	0.00097 (J)	0.00078 (J)		
8/21/2019			0.00074 (J)	
10/8/2019	<0.002			
10/9/2019		<0.002	<0.002	
3/17/2020	<0.002	<0.002	<0.002	
7/6/2020			0.00079 (J)	
8/27/2020	<0.002			<0.002
8/28/2020		<0.002	0.0015 (J)	
9/22/2020	<0.002			<0.002
9/23/2020		<0.002	0.00091 (J)	
10/7/2020			0.001 (J)	<0.002
11/12/2020			0.0014 (J)	<0.002
3/1/2021	<0.002	<0.002		<0.002
3/2/2021			0.0016 (J)	
8/19/2021	<0.002	<0.002		
8/20/2021				<0.002
8/27/2021			0.0022 (J)	
2/9/2022	<0.002	<0.002	<0.002	<0.002
8/31/2022	<0.002	<0.002	<0.002	<0.002
2/8/2023	<0.002			
2/9/2023		<0.002		
2/10/2023			<0.002	<0.002
8/15/2023	<0.002	<0.002	<0.002	<0.002
2/21/2024	0.0041 (J)	0.0028 (J)	0.0024 (J)	0.0044 (J)
8/21/2024	0.0043 (J)	<0.002	0.002 (J)	
8/22/2024				<0.002
2/26/2025	<0.002	<0.002	<0.002	<0.002
8/12/2025	<0.002			<0.002
8/13/2025		<0.002	<0.002	
Mean	0.001914	0.001805	0.001597	0.002171
Std. Dev.	0.0008993	0.0005552	0.0005368	0.0006414
Upper Lim.	0.0041	0.002	0.002	0.0044
Lower Lim.	0.00097	0.00078	0.0011	0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/31/2016	0.126	0.0754		
9/1/2016			0.0414	
11/14/2016		0.0701		
11/15/2016	0.115			
11/16/2016			0.0365	
2/27/2017		0.0834	0.0326	
2/28/2017	0.121			
5/8/2017	0.125		0.0332	
5/9/2017		0.0779		
7/13/2017	0.106	0.0719	0.0365	
10/10/2017	0.112	0.0708		
10/11/2017			0.0288	
4/3/2018		0.068		
4/4/2018	0.12		0.025	
9/19/2018	0.11	0.064	0.03	
8/20/2019	0.1	0.057		
8/21/2019			0.023	
10/8/2019	0.098			
10/9/2019		0.058	0.024	
3/17/2020	0.099	0.061	0.022	
7/6/2020			0.048	
8/27/2020	0.086			0.021
8/28/2020		0.053	0.05	
9/22/2020	0.096			0.021
9/23/2020		0.052	0.045	
10/7/2020			0.042	0.019
11/12/2020			0.042	0.019
3/1/2021	0.087	0.055		0.019
3/2/2021			0.044	
8/19/2021	0.089	0.055		
8/20/2021				0.019
8/27/2021			0.043	
2/9/2022	0.083	0.053	0.042	0.018
8/31/2022	0.073	0.052	0.036	0.017
2/8/2023	0.081			
2/9/2023		0.049		
2/10/2023			0.041	0.016
8/15/2023	0.084	0.049	0.04	0.019
2/21/2024	0.069	0.048	0.044	0.018
8/21/2024	0.069	0.054	0.048	
8/22/2024				0.018
2/26/2025	0.068	0.051	0.046	0.018
8/12/2025	0.065			0.021
8/13/2025		0.051	0.043	
Mean	0.09487	0.05998	0.0436	0.01879
Std. Dev.	0.01949	0.01049	0.003521	0.001477
Upper Lim.	0.1051	0.06546	0.04599	0.01983
Lower Lim.	0.08468	0.05449	0.04121	0.01774

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-46A
9/1/2016	<0.0005
11/16/2016	<0.0005
2/27/2017	<0.0005
5/8/2017	0.0001 (J)
7/13/2017	<0.0005
10/11/2017	<0.0005
4/4/2018	<0.0005
9/19/2018	<0.0005
8/21/2019	0.00012 (J)
10/9/2019	<0.0005
3/17/2020	0.00012 (J)
7/6/2020	<0.0005
8/28/2020	<0.0005
11/12/2020	<0.0005
8/27/2021	<0.0005
2/9/2022	<0.0005
8/31/2022	<0.0005
2/10/2023	<0.0005
8/15/2023	<0.0005
2/21/2024	<0.0005
8/21/2024	<0.0005
2/26/2025	<0.0005
8/13/2025	<0.0005
Mean	0.0004496
Std. Dev.	0.0001332
Upper Lim.	0.0005
Lower Lim.	0.00012

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-45	YGWC-52
8/31/2016	<0.005	<0.005	
11/14/2016		0.0061 (J)	
11/15/2016	<0.005		
2/27/2017		<0.005	
2/28/2017	<0.005		
5/8/2017	<0.005		
5/9/2017		<0.005	
7/13/2017	<0.005	0.0006 (J)	
10/10/2017	<0.005	<0.005	
4/3/2018		<0.005	
4/4/2018	<0.005		
9/19/2018	<0.005	<0.005	
8/20/2019	<0.005	<0.005	
8/27/2020	<0.005		<0.005
8/28/2020		<0.005	
9/22/2020	<0.005		0.00073 (J)
9/23/2020		0.00058 (J)	
10/7/2020			0.00086 (J)
11/12/2020			<0.005
3/1/2021	<0.005	<0.005	0.00094 (J)
8/19/2021	<0.005	<0.005	
8/20/2021			<0.005
2/9/2022	<0.005	<0.005	0.0012 (J)
8/31/2022	<0.005	<0.005	<0.005
2/8/2023	<0.005		
2/9/2023		<0.005	
2/10/2023			0.0021 (J)
8/15/2023	<0.005	<0.005	<0.005
2/21/2024	0.0021 (J)	<0.005	<0.005
8/21/2024	<0.005	<0.005	
8/22/2024			<0.005
2/26/2025	<0.005	<0.005	<0.005
8/12/2025	<0.005		<0.005
8/13/2025		<0.005	
Mean	0.004862	0.004632	0.003631
Std. Dev.	0.0006328	0.001365	0.001931
Upper Lim.	0.005	0.0061	0.005
Lower Lim.	0.0021	0.0006	0.00094

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/31/2016	0.0119	0.0009 (J)		
9/1/2016			0.0171	
11/14/2016		0.0009 (J)		
11/15/2016	0.0033 (J)			
11/16/2016			0.0145	
2/27/2017		0.001 (J)	0.0161	
2/28/2017	0.0017 (J)			
5/8/2017	0.0018 (J)		0.0367	
5/9/2017		0.0008 (J)		
7/13/2017	0.0022 (J)	0.0009 (J)	0.0265	
10/10/2017	0.0017 (J)	0.0008 (J)		
10/11/2017			0.0556	
4/3/2018		<0.005		
4/4/2018	<0.01		0.025	
9/19/2018	0.0025 (J)	0.00081 (J)	0.042	
8/20/2019	0.002 (J)	0.00071 (J)		
8/21/2019			0.027	
10/8/2019	0.0017 (J)			
10/9/2019		0.0007 (J)	0.024	
3/17/2020	0.004 (J)	0.00081 (J)	0.022	
7/6/2020			0.0041 (J)	
8/27/2020	0.003 (J)			0.0022 (J)
8/28/2020		0.00055 (J)	0.0038 (J)	
9/22/2020	0.0065			0.0019 (J)
9/23/2020		0.00053 (J)	0.0015 (J)	
10/7/2020			0.0014 (J)	0.0019 (J)
11/12/2020			0.001 (J)	0.0015 (J)
3/1/2021	0.0033 (J)	0.00062 (J)		0.0013 (J)
3/2/2021			0.00096 (J)	
8/19/2021	0.0014 (J)	0.00048 (J)		
8/20/2021				0.0013 (J)
8/27/2021			0.00056 (J)	
2/9/2022	0.0027 (J)	0.00051 (J)	0.0006 (J)	0.0015 (J)
8/31/2022	0.00099 (J)	0.00069 (J)	0.0017 (J)	0.00096 (J)
2/8/2023	0.0014 (J)			
2/9/2023		0.00077 (J)		
2/10/2023			0.0016 (J)	0.00055 (J)
8/15/2023	0.00084 (J)	0.00053 (J)	0.0012 (J)	0.0017 (J)
2/21/2024	0.00093 (J)	0.00056 (J)	0.0011 (J)	0.00042 (J)
8/21/2024	0.001 (J)	0.00053 (J)	0.00078 (J)	
8/22/2024				0.00054 (J)
2/26/2025	0.0013 (J)	<0.005	<0.005	<0.005
8/12/2025	0.0013 (J)			0.0013 (J)
8/13/2025		<0.005	<0.005	
Mean	0.002716	0.0009391	0.001687	0.001398
Std. Dev.	0.002442	0.0006355	0.001089	0.0006267
Upper Lim.	0.003274	0.0009	0.002271	0.001842
Lower Lim.	0.001524	0.00055	0.0009578	0.0009539

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/31/2016	2.15	1.65		
9/1/2016			2.28	
11/14/2016		0.981		
11/15/2016	0.676			
11/16/2016			0.639	
11/28/2016			0.996	
2/27/2017		0.528	0.617	
2/28/2017	0.241			
5/8/2017	0.508		0.949	
5/9/2017		1.4		
7/13/2017	0.77 (U)	0.611 (U)	1.41	
10/10/2017	1.43	1.47		
10/11/2017			0.856 (U)	
4/3/2018		1.53		
4/4/2018	0.325		0.974	
9/19/2018	0.386 (U)	0.839 (U)	1.15 (U)	
8/20/2019	1.71	2.23		
8/21/2019			1.31	
10/8/2019	0.769 (U)			
10/9/2019		1.61	0.892 (U)	
3/17/2020	1.37	1.44	1.74	
7/6/2020			2.27	
8/27/2020	0.0859 (U)			0.852 (U)
8/28/2020		0.983 (U)	2.34	
9/22/2020	0.327 (U)			0.268 (U)
9/23/2020		0.746 (U)	0.575 (U)	
10/7/2020			1.81	0.819 (U)
11/12/2020			0.106 (U)	1.41 (U)
3/1/2021	0.0694 (U)	1.28		0.846 (U)
3/2/2021			1.64	
8/19/2021	0.261 (U)	1.38		
8/20/2021				0.496 (U)
8/27/2021			1.83	
2/9/2022	0.332 (U)	1.11	1.74	0.926
8/31/2022	0.145 (U)	0.598 (U)	1.51	0.322 (U)
2/8/2023	0.193 (U)			
2/9/2023		1.29		
2/10/2023			1.92	0.786 (U)
8/15/2023	1.15	1.34	1.92	0.319 (U)
2/21/2024	0.345 (U)	0.857 (U)	2	0.164 (U)
8/21/2024	0.411 (U)	1.29	1.87	
8/22/2024				0.862 (U)
2/26/2025	0.971 (U)	1.49	3.69	0.841 (U)
8/12/2025	0.14 (U)			0.63 (U)
8/13/2025		1.35	2.21	
Mean	0.642	1.218	1.528	0.6815
Std. Dev.	0.5693	0.4047	0.7435	0.3364
Upper Lim.	0.8217	1.429	1.882	0.9198
Lower Lim.	0.3081	1.006	1.173	0.4432

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/31/2016	<0.1	0.11 (J)		
9/1/2016			0.08 (J)	
11/14/2016		0.71		
11/15/2016	0.12 (J)			
11/16/2016			0.04 (J)	
2/27/2017		0.22 (J)	0.05 (J)	
2/28/2017	0.07 (J)			
5/8/2017	0.04 (J)		0.004 (J)	
5/9/2017		0.2 (J)		
7/13/2017	<0.1	0.11 (J)	0.35	
10/10/2017	<0.1	0.39		
10/11/2017			<0.3	
4/3/2018		<0.3		
4/4/2018	<0.1		<0.3	
9/19/2018	<0.1	<0.3	<0.3	
3/27/2019	<0.1	0.18 (J)	0.12 (J)	
8/20/2019	<0.1	<0.3		
8/21/2019			<0.3	
10/8/2019	<0.1 (D)			
10/9/2019		<0.3 (D)	0.12 (J)	
3/17/2020	<0.1	0.076 (J)	<0.3	
7/6/2020			0.12	
8/27/2020	<0.1			<0.1
8/28/2020		0.07 (J)	0.12	
9/22/2020	<0.1			<0.1
9/23/2020		0.082 (J)	0.12	
10/7/2020			0.13	<0.1
11/12/2020			0.084 (J)	<0.1
3/1/2021	<0.1	0.073 (J)		<0.1
3/2/2021			0.12	
8/19/2021	<0.1	0.075 (J)		
8/20/2021				<0.1
8/27/2021			0.13	
2/9/2022	<0.1	0.063 (J)	0.12	<0.1
8/31/2022	0.055 (J)	0.1	0.12	0.059 (J)
2/8/2023	0.062 (J)			
2/9/2023		0.11		
2/10/2023			0.17	0.063 (J)
8/15/2023	<0.1	0.07 (J)	0.12	<0.1
2/21/2024	<0.1	0.099 (J)	0.11	0.054 (J)
8/21/2024	<0.1	0.077 (J)	0.1	
8/22/2024				<0.1
2/26/2025	<0.1	0.069 (J)	0.075 (J)	<0.1
8/12/2025	<0.1			<0.1
8/13/2025		0.11	0.11	
Mean	0.09363	0.1748	0.1486	0.09114
Std. Dev.	0.01793	0.1504	0.09318	0.01769
Upper Lim.	0.1	0.22	0.17	0.1
Lower Lim.	0.07	0.075	0.1	0.063

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-45	YGWC-46A	YGWC-52
8/31/2016	<0.001		
9/1/2016		<0.001	
11/14/2016	<0.001		
11/16/2016		<0.001	
2/27/2017	<0.001	<0.001	
5/8/2017		<0.001	
5/9/2017	0.0001 (J)		
7/13/2017	<0.001	<0.001	
10/10/2017	<0.001		
10/11/2017		<0.001	
4/3/2018	<0.001		
4/4/2018		<0.001	
9/19/2018	<0.001	<0.001	
8/20/2019	<0.001		
8/21/2019		<0.001	
7/6/2020		<0.001	
8/27/2020			9.2E-05 (J)
8/28/2020	<0.001	<0.001	
9/22/2020			6E-05 (J)
9/23/2020	<0.001	<0.001	
10/7/2020		<0.001	<0.001
11/12/2020		4.4E-05 (J)	6.4E-05 (J)
3/1/2021	<0.001		8.7E-05 (J)
3/2/2021		<0.001	
8/19/2021	<0.001		
8/20/2021			<0.001
8/27/2021		<0.001	
2/9/2022	<0.001	<0.001	<0.001
8/31/2022	<0.001	<0.001	<0.001
2/9/2023	<0.001		
2/10/2023		<0.001	<0.001
8/15/2023	<0.001	<0.001	<0.001
2/21/2024	<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	
8/22/2024			<0.001
2/26/2025	<0.001	<0.001	<0.001
8/12/2025			<0.001
8/13/2025	<0.001	<0.001	
Mean	0.0009571	0.0009602	0.0007359
Std. Dev.	0.0001964	0.0001951	0.0004334
Upper Lim.	0.001	0.001	0.001
Lower Lim.	0.0001	4.4E-05	8.7E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/31/2016	0.0115 (J)	0.0147 (J)		
9/1/2016			0.0077 (J)	
11/14/2016		0.0175 (J)		
11/15/2016	0.0148 (J)			
11/16/2016			0.0075 (J)	
2/27/2017		0.0135 (J)	0.0084 (J)	
2/28/2017	0.0124 (J)			
5/8/2017	0.0132 (J)		0.0087 (J)	
5/9/2017		0.0136 (J)		
7/13/2017	0.0124 (J)	0.0129 (J)	0.0104 (J)	
10/10/2017	0.0123 (J)	0.015 (J)		
10/11/2017			0.0099 (J)	
4/3/2018		0.014 (J)		
4/4/2018	0.014 (J)		0.012 (J)	
9/19/2018	0.013 (J)	0.012 (J)	0.011 (J)	
8/20/2019	0.013 (J)	0.012 (J)		
8/21/2019			0.0076 (J)	
10/8/2019	0.012 (J)			
10/9/2019		0.012 (J)	0.0078 (J)	
3/17/2020	0.013 (J)	0.014 (J)	0.0071 (J)	
7/6/2020			0.011 (J)	
8/27/2020	0.013 (J)			0.0048 (J)
8/28/2020		0.012 (J)	0.012 (J)	
9/22/2020	0.013 (J)			0.0046 (J)
9/23/2020		0.012 (J)	0.013 (J)	
10/7/2020			0.011 (J)	0.0041 (J)
11/12/2020			0.014 (J)	0.0044 (J)
3/1/2021	0.013 (J)	0.012 (J)		0.0043 (J)
3/2/2021			0.013 (J)	
8/19/2021	0.013 (J)	0.012 (J)		
8/20/2021				0.0043 (J)
8/27/2021			0.014 (J)	
2/9/2022	0.014 (J)	0.012 (J)	0.014 (J)	0.0042 (J)
8/31/2022	0.013 (J)	0.012 (J)	0.015 (J)	0.0037 (J)
2/8/2023	0.014 (J)			
2/9/2023		0.01 (J)		
2/10/2023			0.011 (J)	0.0033 (J)
8/15/2023	0.013 (J)	0.012 (J)	0.012 (J)	0.004 (J)
2/21/2024	0.012 (J)	0.012 (J)	0.012 (J)	0.0036 (J)
8/21/2024	0.011 (J)	0.011 (J)	0.011 (J)	
8/22/2024				0.0034 (J)
2/26/2025	0.0146 (J)	0.014 (J)	0.0178 (J)	0.00364 (J)
8/12/2025	0.0127			0.00353
8/13/2025		0.0142	0.0151	
Mean	0.01295	0.01289	0.01306	0.003991
Std. Dev.	0.000913	0.001594	0.001953	0.0004673
Upper Lim.	0.01343	0.01367	0.01438	0.004322
Lower Lim.	0.01247	0.01204	0.01174	0.00366

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-45	YGWC-46A
8/31/2016	<0.0002	<0.0002	
9/1/2016			<0.0002
11/14/2016		<0.0002	
11/15/2016	<0.0002		
11/16/2016			<0.0002
2/27/2017		<0.0002	<0.0002
2/28/2017	<0.0002		
5/8/2017	<0.0002		<0.0002
5/9/2017		<0.0002	
7/13/2017	<0.0002	<0.0002	<0.0002
10/10/2017	<0.0002	<0.0002	
10/11/2017			<0.0002
4/3/2018		<0.0002	
4/4/2018	<0.0002		<0.0002
9/19/2018	6E-05 (J)	7.1E-05 (J)	7E-05 (J)
8/20/2019	<0.0002	<0.0002	
8/21/2019			<0.0002
7/6/2020			<0.0002
8/27/2020	<0.0002		
8/28/2020		<0.0002	<0.0002
11/12/2020			<0.0002
8/19/2021	<0.0002	<0.0002	
8/27/2021			<0.0002
2/9/2022	<0.0002	<0.0002	<0.0002
8/31/2022	<0.0002	<0.0002	<0.0002
2/8/2023	<0.0002		
2/9/2023		<0.0002	
2/10/2023			<0.0002
8/15/2023	<0.0002	<0.0002	<0.0002
2/21/2024	<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002
2/26/2025	<0.0002	<0.0002	<0.0002
8/12/2025	<0.0002		
8/13/2025		<0.0002	<0.0002
Mean	0.0001926	0.0001932	0.0001938
Std. Dev.	3.212E-05	2.959E-05	2.837E-05
Upper Lim.	0.0002	0.0002	0.0002
Lower Lim.	6E-05	7.1E-05	7E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-45	YGWC-46A	YGWC-52
8/31/2016	<0.01	0.0024 (J)		
9/1/2016			<0.01	
11/14/2016		<0.01		
11/15/2016	<0.01			
11/16/2016			<0.01	
2/27/2017		0.0018 (J)	<0.01	
2/28/2017	0.0005 (J)			
5/8/2017	<0.01		0.0008 (J)	
5/9/2017		0.0015 (J)		
7/13/2017	<0.01	0.0015 (J)	0.0015 (J)	
10/10/2017	<0.01	0.0015 (J)		
10/11/2017			0.002 (J)	
4/3/2018		<0.01		
4/4/2018	<0.01		0.0021 (J)	
9/19/2018	<0.01	<0.01	0.0039 (J)	
8/20/2019	<0.01	0.0011 (J)		
8/21/2019			0.0012 (J)	
10/8/2019	<0.01			
10/9/2019		0.0012 (J)	0.0013 (J)	
3/17/2020	<0.01	0.0016 (J)	0.0015 (J)	
7/6/2020			0.0026 (J)	
8/27/2020	<0.01			<0.01
8/28/2020		0.0013 (J)	0.003 (J)	
9/22/2020	<0.01			<0.01
9/23/2020		0.0011 (J)	0.0025 (J)	
10/7/2020			0.0024 (J)	<0.01
11/12/2020			0.0019 (J)	<0.01
3/1/2021	<0.01	0.0012 (J)		<0.01
3/2/2021			0.0023 (J)	
8/19/2021	<0.01	0.0012 (J)		
8/20/2021				<0.01
8/27/2021			0.0022 (J)	
2/9/2022	<0.01	0.0012 (J)	0.0021 (J)	<0.01
8/31/2022	<0.01	0.0011 (J)	0.0017 (J)	<0.01
2/8/2023	<0.01			
2/9/2023		0.00097 (J)		
2/10/2023			0.0029 (J)	0.00083 (J)
8/15/2023	<0.01	0.0011 (J)	0.0031 (J)	<0.01
2/21/2024	<0.01	0.00098 (J)	0.0032 (J)	<0.01
8/21/2024	<0.01	0.001 (J)	0.0038 (J)	
8/22/2024				<0.01
2/26/2025	<0.01	<0.01	<0.01	<0.01
8/12/2025	<0.01			<0.01
8/13/2025		<0.01	0.0027 (J)	
Mean	0.009587	0.003207	0.003488	0.009345
Std. Dev.	0.001981	0.003674	0.002928	0.002451
Upper Lim.	0.01	0.0024	0.002555	0.01
Lower Lim.	0.0005	0.0011	0.001698	0.00083

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/13/2025 1:29 PM View: Confidence Intervals

Plant Yates Client: Southern Company Data: Yates AP-1

	YGWC-44	YGWC-46A
8/31/2016	<0.0005	
9/1/2016		<0.0005
11/15/2016	<0.0005	
11/16/2016		<0.0005
2/27/2017		<0.0005
2/28/2017	<0.0005	
5/8/2017	<0.0005	<0.0005
7/13/2017	<0.0005	<0.0005
10/10/2017	<0.0005	
10/11/2017		<0.0005
4/4/2018	<0.0005	<0.0005
9/19/2018	<0.0005	<0.0005
8/20/2019	<0.0005	
8/21/2019		<0.0005
10/8/2019	<0.0005	
10/9/2019		<0.0005
3/17/2020	8E-05 (J)	<0.0005
7/6/2020		7.3E-05 (J)
8/27/2020	<0.0005	
8/28/2020		<0.0005
11/12/2020		<0.0005
8/19/2021	<0.0005	
8/27/2021		<0.0005
2/9/2022	<0.0005	<0.0005
8/31/2022	<0.0005	<0.0005
2/8/2023	<0.0005	
2/10/2023		<0.0005
8/15/2023	<0.0005	<0.0005
2/21/2024	<0.0005	<0.0005
8/21/2024	<0.0005	<0.0005
2/26/2025	<0.0005	<0.0005
8/12/2025	<0.0005	
8/13/2025		<0.0005
Mean	0.00048	0.0004814
Std. Dev.	9.165E-05	8.904E-05
Upper Lim.	0.0005	0.0005
Lower Lim.	8E-05	7.3E-05

ND substitution: RL or RL/2 if <15% NDs.

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